



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code:20221

Class: S.Y. D. Pharmacy

Date:05/11/2022

Time: 10.00 AM -11.30 AM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|-------------|---|-----------------|-----------|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Define Sympathomimetic drug. Explain Dale Vasomotor Reversal Phenomenon. (R&U) | C201.2 | U |
| b) | Define and Classify routes of administration and explain advantages of oral routes of administration. (R&U) | C201.3 | U |
| c) | Define absorption explain any two process of absorption. (R&U) | C201.1 | A |
| d) | Define and Classify the General Anesthetic with example discussed ideal characteristic of General Anesthetic. (R&U) | C201.2 | R |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | Define and Classify the Parasympathetic drug with example. (R&U) | C201.2 | A |
| b) | Discuss mydriatic and miotic with example. (U) | C201.2 | U |
| c) | Define and Classify the Local anesthetic with example. (R&U) | C201.2 | U |
| d) | Define and Classify NSAIDs with example. (R&U) | C201.2 | U |
| e) | Express why Adrenaline is found in emergency kit of physician. (U) | C201.2 | R |
| f) | Express why Acetylcholine is never used in therapeutics. (U) | C201.2 | R |
| | | Marks 10 | |
| Q. 3 | Answer the following (10 x 1 = 10) | CO No. | LL |
| a) | Select the stage which is suitable for major operation. (R) i) Stage of amnesia ii) Stage of Delirium iii) stage of surgical Anesthesia iv) none of this | C201.2 | A |
| b) | Select the antidote for atropine poisoning. (R) i) Pilocarpine ii) Adrenaline iii) Salbutamol iv) none of this | C201.2 | A |
| c) | Choose the drug which is useful for treatment of Fever. (A) i) Adrenaline ii) Paracetamol iii) Salbutamol iv) none of this | C201.2 | R |
| d) | Choose the correct adult dose of acetyl salicylic acid (aspirin) for oral tablet. (A) i) 10 mg ii) 1 gm iii) 300 mg iv) 1 mg | C201.3 | R |
| e) | State the route of administration of nitrous oxide. (R) | C201.3 | R |
| f) | Name the drug used in treatment of myasthenia gravis. (R) | C201.2 | R |
| g) | State the organs of excretion. (R) | C201.1 | R |
| h) | Define Pharmacokinetic. (R) | C201.1 | R |
| i) | Define the term Synergism. (R) | C201.1 | R |
| j) | Define the term Pharmacodynamics. (R) | C201.1 | U |

M. A. Husain
Muhammadi Husain



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Second Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20221

Class: S.Y. D. Pharmacy

Date: 20/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|------|--|----------|----|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Define and classify the Antihypertensive drug with example. | C201.2 | U |
| b) | Define diuretics, give pharmacological action, dose, MAO of potassium sparing diuretics. | C201.2 | U |
| c) | Define and classify sedative and hypnotics. | C201.2 | A |
| d) | Explain the term atherosclerosis with its cause and classify anti-hyperlipidemic drug. | C201.2 | R |
| | | | |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | Justify Morphine is contraindicated in abdominal pain and in brain injury.. | C201.3 | A |
| b) | Define and classify the Laxative and purgatives with example. | C201.2 | U |
| c) | Define epilepsy and Classify antiepileptic. | C201.2 | U |
| d) | Define cardio tonic explain MOA and uses of Digitalis. | C201.2 | U |
| e) | Classify and explain pharmacology of Hematinic . | C201.2 | R |
| f) | Define the term and give example of i) Laxative ii) anti-emetic iii) anti- tussive | C201.2 | R |
| | | | |
| | | Marks 10 | |
| Q. 3 | Objective type Answers (Answer all 10 out of 10) 10 x 1 = 10 (Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions) | CO No. | LL |
| a) | Choose the antidote for Morphine poisoning | C201.2 | A |
| b) | Write any two drugs used in the treatment of shock. | C201.2 | A |
| c) | Select the correct Blood coagulating Factor XII is called..... i). Hageman factor ii) Fibrinogen iii) Prothrombin iv) Stuart factor | C201.2 | R |
| d) | Nifedepine belongs to which class. | C201.2 | R |
| e) | Select the correct category of drug used in treatment of insomnia i) Sedative ii) Analgesic iii) Purgative iv) anti- coagulant | C201.2 | R |
| f) | Define the antacid and give one example. | C201.2 | R |
| g) | Quote the route of Budesonide of nitroglycerine. | C201.3 | R |
| h) | Describe the dose of Diazepam | C201.3 | R |
| i) | Describe the dose of Castor oil | C201.3 | R |
| j) | Discuss the contraindication of purgative. | C201.3 | U |

*****ALL THE BEST*****

M. A. J.
Muzumil Husain



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Third Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20221

Class: S.Y. D. Pharmacy

Date: 24/04/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|------------|--|----------|----|
| | | CO | LL |
| | | No. | |
| Q.1 | Answer any THREE of the following (5 Marks Each) | | |
| a) | Define and classify the antibiotic with example. | C201.2 | U |
| b) | Define autocoid, explain triple response of histamine and classify anti histaminic drug. | C201.4 | U |
| c) | Define and classify antineoplastic agent, mention side effect of it. | C201.4 | A |
| d) | Define and classify sulfonamide, explain why sulfamethoxazole and trimethoprim given in combination.. | C201.2 | R |

| | | Marks 15 | |
|------------|---|----------|----|
| | | CO | LL |
| | | No. | |
| Q.2 | Answer any FIVE of the following (3 Marks Each) | | |
| a) | Justify Tetracycline is contraindicated in pregnancy and in growing children. | C201.3 | A |
| b) | Define oral contraceptive and explain various types of oral contraceptive | C201.2 | U |
| c) | Define and classify anti tubercular drug, give full form of DOTS. | C201.2 | U |
| d) | Justify why purgative are administer with anthelmintic drug and chloramphenicol administered with heamatanic. | C201.4 | U |
| e) | Define and classify oral hypoglycemic agent discuss the MOA sulfonyl urea. | C201.2 | R |
| f) | Discuss the side effect of following drug.. | C201.4 | R |
| | i) Chloramphenicol ii) Sulfonamide iii) Aminiglycoside | | |
| | iv) Quinine v) Tetracycline vi) Cyclophosphamide | | |

| | | Marks 10 | |
|------------|---|----------|----|
| | | CO | LL |
| | | No. | |
| Q.3 | Answer the following | | |
| | Objective type Answers (Answer all 10 out of 10) 10 x 1 = 10 | | |
| a) | Select correct one..... is the drug of choice for Tuberculosis i). Isoniazid ii) Penicillin iii) Azithromycin iv) All of these | C201.2 | A |
| b) | Select correct one..... is the drug of choice for malaria. i). Griseofulvin ii) Quinine iii) Chlotrimazole iv) All of these | C201.2 | A |
| c) | Select correct one..... is the drug used in treatment of leprosy. i). Dapsone ii) Clofazimine iii) Rifampicine iv) All of these | C201.2 | R |
| d) | Enlist two function of T3 and T4. | C201.3 | R |
| e) | Define biological agent give two example. | C201.2 | R |
| f) | Define anti-amoebic dug and give one example. | C201.2 | R |
| g) | Quote the route of administration of Insulin. | C201.3 | R |
| h) | Describe the dose of Mebandazole | C201.3 | R |
| i) | Describe the dose of Griseofulvin | C201.3 | R |
| j) | Describe the causative agent of Amoebiosis. | C201.3 | U |

***** ALL THE BEST*****

M. A. Husa
MU 2 ammi / Husa



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 02/11/2022

Time: 2.30 PM to 5.30 PM

Batch-A

Max. Marks: 80

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

Q. 1 Synopsis (Any Five)

Marks 10

- a) **Define** Pharmacology and Experimental Pharmacology.
b) Draw the well **label** Diagram of Simple lever.
c) **State** the name of four animal used in experimental pharmacology
d) **Explain** the parasympathetic activity on the eye
e) **Define & Classify** the Para sympatholytic drug with example
f) **Define** Pharmacokinetic and Pharmacodynamics

| CO No. | LL |
|--------|----|
| C207.1 | R |
| C207.3 | R |
| C207.1 | U |
| C207.1 | R |
| C207.1 | U |
| C207.1 | U |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

Aim: CD Base Question

| CO No. | LL |
|--------|----|
| C207.1 | U |

B) Minor Experiment:

Marks 20

Aim: Spotting:

Marks 20

- a) Dissecting Tray
b) Frontal writing Lever
c) Kymograph Paper
d) Sherrington Rotating Drum
e) Digital Thermometer
f) Syringe
g) Aeration Tube
h) Aerator
i) Student organ bath
j) Reservoir

| CO No. | LL |
|--------|----|
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C207.4 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C207.1 | A |

*****ALL THE BEST*****

Muzammil Husain



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 01/11/2022

Time: 2.30 PM to 5.30 PM Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | |
|---|-----------------------|
| Q. 1 Synopsis (Any Five) | Marks 10 |
| a) Discuss advantages of Parenteral route of administration | CO No. LL C207.1 R |
| b) Draw the well label Diagram of Frontal writing lever. | C207.3 R |
| c) Define Synergism and antagonism. | C207.1 U |
| d) State the experimental uses of Mice | C207.1 U |
| e) Explain the mechanism of local Anesthetics | C207.1 R |
| f) Define and Classify Local Anesthetics with example | C207.1 U |
| Q. 2 Experiment | Marks 50 |
| A) Major Experiment: | Marks 30 |
| Aim: CD Base Question | CO No. LL C207.1 U |
| B) Minor Experiment: | Marks 20 |
| Aim: Spotting: | Marks 20 |
| a) Kymograph Paper | CO No. LL C207.3 U |
| b) Dissecting Tray | C207.3 U |
| c) Syringe | C207.3 U |
| d) Digital Thermometer | C207.3 U |
| e) Sherrington Rotating Drum | C207.3 U |
| f) Student organ bath | C207.3 U |
| g) Frontal writing Lever | C207.3 U |
| h) Aerator | C207.3 U |
| i) Reservoir | C207.3 U |
| j) Aeration Tube | C207.3 U |
| Q. 3 Viva Voce | Marks 10 |
| | CO No. LL C207.4 A |
| Q. 4 Practical Record Maintenance | Marks 10 |
| | CO No. LL C207.1 A |

*****ALL THE BEST*****

M. A. Huseini
MU 20/11/2022



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology
Class: S.Y. D. Pharmacy

Subject Code: 20056
Date: 03/11/2022

Time: 2.30 PM to 5.30 PM Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | |
|---|-----------------------------|
| Q. 1 Synopsis (Any Five) | Marks 10 |
| a) Define and classify routes of administration. | CO No. LL C207.1 R |
| b) Draw the well label Diagram of Sherrington rotating drum. | C207.3 R |
| c) State the name of four animal used in experimental pharmacology | C207.1 R |
| d) Explain the parasympathetic activity on the eye | C207.1 U |
| e) Define & Classify the Para sympatholytic drug with example | C207.1 U |
| f) Define Pharmacokinetic and Pharmacodynamics | C207.1 U |
| Q. 2 Experiment | Marks 50 |
| A) Major Experiment: | Marks 30 |
| Aim: CD Base Question | CO No. LL C207.1 U |
| B) Minor Experiment: | Marks 20 |
| Aim: Spotting: | Marks 20 |
| a) Syringe | CO No. LL C207.3 U |
| b) Student organ bath | C207.3 U |
| c) Kymograph Paper | C207.3 U |
| d) Digital Thermometer | C207.3 U |
| e) Sherrington Rotating Drum | C207.3 U |
| f) Dissecting Tray | C207.3 U |
| g) Aeration Tube | C207.3 U |
| h) Aerator | C207.3 U |
| i) Frontal writing Lever | C207.3 U |
| j) Reservoir | C207.3 U |
| Q. 3 Viva Voce | Marks 10 |
| | CO No. LL C207.4 A |
| Q. 4 Practical Record Maintenance | Marks 10 |
| | CO No. LL C207.1 A |

*****ALL THE BEST*****

M.A.
Musammil Husain



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 15/02/2023

Time: 2.30 PM to 5.30 PM Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | R |
| C207.2 | U |
| C207.2 | U |
| C207.2 | R |
| C207.2 | U |
| C207.2 | U |

- Define antipyretic and mention two example.
- Define Anxiolytic and mentioned two example.
- Discuss mechanism action of morphine.
- Draw the well label Diagram of Tele thermometer
- Classify the Barbiturate.
- Discuss why pyrogen test is replaced by LAL test.

Q. 2 Experiment

Marks 50

Marks 30

| CO No. | LL |
|--------|----|
| C207.2 | U |

A) Major Experiment:

Aim: CD Base Question

B) Minor Experiment:

Marks 20

Marks 20

Aim: Spotting:

| CO No. | LL |
|--------|----|
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |

- Rabbit Cage
- Tele thermometer
- Rota rod apparatus
- Actophotometer
- Cooks pole Climbing apparatus
- Hot plate apparatus
- Animal cage
- Elevated Plus maze apparatus
- Feed Bottle
- Rat Holder

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

*****ALL THE BEST*****

*M. A. Amin
Muzummi / Husain*



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 14/02/2023

Time: 2.30 PM to 5.30 PM Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | R |
| C207.2 | U |
| C207.2 | A |
| C207.2 | R |
| C207.2 | U |
| C207.2 | A |

- Define Sedative and mention two example.
- Define Narcotic analgesic mention two example.
- Discuss mechanism action of muscle relaxants
- Draw the well label Diagram of Rota rod apparatus.
- Discuss the Epilepsy.
- Discuss the MOA of analgesic.

Q. 2 Experiment

Marks 50

Marks 30

| CO No. | LL |
|--------|----|
| CO 2 | U |

A) Major Experiment:

Aim: CD Base Question

B) Minor Experiment:

Marks 20

Marks 20

Aim: Spotting:

| CO No. | LL |
|--------|----|
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |
| C207.2 | U |

- Rabbit Cage
- Tele thermometer
- Rota rod apparatus
- Actophotometer
- Cooks pole Climbing apparatus
- Hot plate apparatus
- Animal cage
- Elevated Plus maze apparatus
- Feed Bottle
- Rat Holder

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

***** ALL THE BEST*****

MU 20mmil Huleip



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 17/02/2023

Time: 2.30 PM to 5.30 PM Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | R |
| C207.2 | U |
| C207.2 | A |
| C207.2 | R |
| C207.2 | U |
| C207.2 | A |

- Define antipyretic and mention two example.
- Define Sedative and mention two example.
- Discuss mechanism action of Barbiturate
- Draw the well label Diagram of Tele thermometer
- Discuss the Epilepsy.
- Discuss the MOA of morphine.

Q. 2 Experiment

Marks 50

Marks 30

| CO No. | LL |
|--------|----|
| C207.2 | A |

A) Major Experiment:

Aim: CD Base Question

B) Minor Experiment:

Marks 20

Marks 20

Aim: Spotting:

| CO No. | LL |
|--------|-----|
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |
| C207.2 | U,A |

- Rabbit Cage
- Tele thermometer
- Rota rod apparatus
- Actophotometer
- Cooks pole Climbing apparatus
- Hot plate apparatus
- Animal cage
- Elevated Plus maze apparatus
- Feed Bottle
- Rat Holder

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C207.2 | A |

***** ALL THE BEST*****

Muzammil Husain



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 18/04/2023

Time: 10.00 AM to 1.00 PM Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|------------------------------|--|-----------------|----|
| Q. 1 | Synopsis (Any Five) | CO No. | LL |
| a) | Define Para sympatholytic drug and mention two example. | C207.3 | R |
| b) | Discuss the effect of Adr on heart, name Adr receptor present on heart | C207.3 | U |
| c) | Explain the mechanism of action of acetylcholine. | C207.3 | U |
| d) | Define cardio tonic discuss mechanism action of digitalis . | C207.3 | R |
| e) | Discuss the effect of calcium and potassium on heart. | C207.3 | U |
| f) | Draw the graph of effect of calcium ion on isolated heart of frog. | C207.3 | U |
| | | Marks 50 | |
| Q. 2 | Experiment | | |
| A) Major Experiment: | | Marks 30 | |
| Aim: CD Base Question | | CO No. | LL |
| | | C207.3 | U |
| B) Minor Experiment: | | Marks 20 | |
| Aim: Spotting: | | Marks 20 | |
| | | CO No. | LL |
| a) | Cook's Pole climbing Apparatus | C207.3 | U |
| b) | Organ Bath | C207.3 | U |
| c) | Frontal writing lever | C207.3 | U |
| d) | Sherrington rotating drum | C207.3 | U |
| e) | Thermometer | C207.3 | U |
| f) | Kymograph paper | C207.3 | U |
| g) | Reservoir | C207.3 | U |
| h) | Dissecting Tray | C207.3 | U |
| i) | Aeration Tube | C207.3 | U |
| j) | Aerators | C207.3 | U |
| | | Marks 10 | |
| Q. 3 | Viva Voce | CO No. | LL |
| | | C207.3 | A |
| | | Marks 10 | |
| Q. 4 | Practical Record Maintenance | CO No. | LL |
| | | C207.3 | A |

*****ALL THE BEST*****

M. A. Husain
MU20056/Husain



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 17/04/2023

Time: 10.00 AM to 1.00 PM Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|--|---|-----------------|-----------|
| Q. 1 | Synopsis (Any Five) | CO No. | LL |
| a) | Classify the adrenergic drug. | C207.3 | R |
| b) | Draw the graph of effect of adrenaline on isolated heart of frog. | C207.3 | U |
| c) | What is mean by cilia? discuss the physiological function of cilia. | C207.3 | A |
| d) | Discuss the effect of ACH on heart, name ACH receptor present on heart. | C207.3 | R |
| e) | Discuss the effect of excess calcium and potassium on heart. | C207.3 | U |
| f) | Draw the graph of effect of potassium ion on isolated heart of frog. | C207.3 | U |
| Q. 2 Experiment | | Marks 50 | |
| A) Major Experiment: | | Marks 30 | |
| Aim: CD Base Question | | CO No. | LL |
| | | C207.3 | U |
| B) Minor Experiment: | | Marks 20 | |
| Aim: Spotting: | | Marks 20 | |
| | | CO No. | LL |
| a) | Cook's Pole climbing Apparatus | C207.3 | U |
| b) | Organ Bath | C207.3 | U |
| c) | Frontal writing lever | C207.3 | U |
| d) | Sherrington rotating drum | C207.3 | U |
| e) | Thermometer | C207.3 | U |
| f) | Kymograph paper | C207.3 | U |
| g) | Reservoir | C207.3 | U |
| h) | Dissecting Tray | C207.3 | U |
| i) | Aeration Tube | C207.3 | U |
| j) | Aerators | C207.3 | U |
| Q. 3 Viva Voce | | Marks 10 | |
| | | CO No. | LL |
| | | C207.3 | A |
| Q. 4 Practical Record Maintenance | | Marks 10 | |
| | | CO No. | LL |
| | | C207.3 | A |

***** ALL THE BEST *****

M. A. Husain
MW 20056/1 Husain



Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacology

Subject Code: 20056

Class: S.Y. D. Pharmacy

Date: 19/04/2023

Time: 10.00 AM to 1.00 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C207.3 | R |
| C207.3 | U |
| C207.3 | U |
| C207.3 | R |
| C207.3 | U |
| C207.3 | R |

- Discuss the effect of Adr on heart, name Adr receptor present on heart.
- Explain the mechanism of action of acetylcholine.
- Define cardio tonic discuss mechanism action of digitalis .
- Discuss the effect of ACH on heart, name ACH receptor present on heart.
- Discuss the effect of excess calcium and potassium on heart.
- Draw the graph of effect of potassium ion on isolated heart of frog.

Q. 2 Experiment

Marks 50

Marks 30

A) Major Experiment:

| CO No. | LL |
|--------|----|
| C207.3 | A |

Aim: CD Base Question

B) Minor Experiment:

Marks 20

Marks 20

Aim: Spotting:

| CO No. | LL |
|--------|----|
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |
| C207.3 | U |

- Cook's Pole climbing Apparatus
- Organ Bath
- Frontal writing lever
- Sherrington rotating drum
- Thermometer
- Kymograph paper
- Reservoir
- Dissecting Tray
- Aeration Tube
- Aerators

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C207.3 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C207.3 | A |

*****ALL THE BEST*****

Muzammil Hussain



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20222

Class: S. Y. D. Pharmacy

Date: 07/11/2022

Time: 10.00 AM -11.30 AM

Max. Marks: 40

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q.1 Answer any THREE of the following (5 Marks Each) Marks 15

- What is prescription? Explain the various parts of prescription.
- Discuss the dispensing errors and strategies to minimize it.
- Enlist the types of communication and discuss the skills to communicate effectively.
- Explain the medication and non-medication measures for diabetes.

Q. 2 Answer any FIVE of the following (3 Marks Each) Marks 15

- Define community pharmacy practice and explain the role of community pharmacist.
- Write a note on good pharmacy practice.
- Draw a three auxiliary label examples of specifying its importance.
- Name the instructions to be given for safe use of medication.
 - Ophthalmic drops
 - Pregnant woman
 - Storage
- Elaborate one-to one communication and mention its limitations.
- How will you overcome the barriers to effective patient counselling?

Q. 3 Answer the following Marks 10

- Enlist the drugs used in the treatment of hypertension.
- What is full form of OTC?
- Our dress code is example of which type of communication.
- _____ tools in the form of picture that reduce the misunderstanding on a drug treatment, and attract the attention to remind drug related information.
- In 1729, the first community pharmacy was founded in _____.
- The first two-year professional course "Chemist and Druggist Diploma" was started by _____.
- What is the ultimate aim of counselling for individuals to attain?
 - Self-knowledge
 - Self-direction
 - Self-understanding
 - Self-discovery
- Community pharmacist duties are widely required by _____ and _____.
 - Person, students
 - Public, patients
 - Healthcare, professionals
 - Nurses, doctors
- Roll of community pharmacy includes all except
 - Disposal of medicine
 - Dispensing of medicine
 - Patient education
 - Drug research
- Pharmaceutical care is _____ centered practice.
 - Drug
 - Pharmacist
 - Physician
 - Patient

*****ALL THE BEST*****

N. S. Palwankar
N. S. Palwankar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Theory Examination A.Y. 2022-23

Subject: Community Pharmacy & Management

Subject Code: 20222

Class: S.Y. D. Pharmacy

Date: 21/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks | |
|-------------|--|-----------------------|------------------|
| Q.1 | Answer any THREE of the following | (5 Marks Each) | Marks 15 |
| | | | CO No. LL |
| a) | Differentiate between PPI and PPL. Prepare a patient information leaflet or chart for antihypertensive drugs. | | C202.3 A |
| b) | Describe the importance of health screening services and routine monitoring, early detection with respect to diabetes. | | C202.4 A |
| c) | What do you mean by self-medication? Discuss the benefits and risks of self-medication. | | C202.3 U |
| d) | Advise the OTC medication use for fever and vomiting. | | C202.3 A |
| Q. 2 | Answer any FIVE of the following | (3 Marks Each) | Marks 15 |
| | | | CO No. LL |
| a) | Explain the advice for skin disorders. | | C202.3 A |
| b) | Justify the role of pharmacist in OTC medications. | | C202.3 U |
| c) | Write a note on oral health. | | C202.3 U |
| d) | Explain the factors affecting medication adherence and list out the strategies to overcome it. | | C202.3 U |
| e) | Explain the sign, symptoms and medication for cough & cold. | | C202.3 U |
| f) | Discuss any two conditions as noticed and referred to doctor. | | C202.4 A |
| Q. 3 | Answer the following Objective Type Answers (Answer all 10 out of 10) 10 x 1 =10 | | Marks 10 |
| | | | CO No. LL |
| a) | Taking prescription medication correctly is called as a) Medication Adherence b) Medication Avoidance c) Medical Coding d) Medical Writing | | C202.3 R |
| b) | Which of the following is Patient related factor for non-adherence? a) physical impairment b) medication beliefs c) forgetfulness d) all of these | | C202.3 R |
| c) | Select the drug to treat moderate to severe traveler's diarrhea. a) Metronidazole b) Doxycycline c) Norfloxacin d) Penicillin | | C202.3 A |
| d) | In which form screening results must be provided to patients. | | C202.4 R |
| e) | Drug product that can be purchased without prescription is _____ | | C202.3 R |
| f) | Give the examples of non-prescription antipyretics. | | C202.3 U |
| g) | How the prescription medicines are different from OTC ones? a) they contain smaller amounts of active ingredients b) they don't contain preservatives c) they are unsafe for use without medical supervision d) they can be toxic | | C202.3 U |
| h) | Select the OTC products except a) antacids b) skin ointments c) cholesterol lowering medicines d) tablets for cough | | C202.3 A |
| i) | What is self-care for treatment of constipation? | | C202.3 U |
| j) | Indicate the products for treatment of pain management. | | C202.3 U |

*****ALL THE BEST*****

43
N.S. Talwar
N.S. Talwar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Theory Examination A.Y. 2022-23

Subject: Community Pharmacy & Management

Subject Code: 20222

Class: S.Y. D. Pharmacy

Date: 25/04/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q.1 | Answer any THREE of the following | (5 Marks Each) | Marks 15 | |
|------|--|----------------------------|-----------------|-------------------|
| | | | CO | LL |
| a) | Explain the legal requirements to set up a community pharmacy in India. | | C202.1 | U |
| b) | Summarize the inventory control methods useful for community pharmacy. | | C202.1 | U, A |
| c) | Discuss the factors to be considered while designing a community pharmacy. | | C202.1 | U |
| d) | How vendors selected for supply of medicine to community pharmacy? | | C202.1 | U |
| Q. 2 | Answer any FIVE of the following | (3 Marks Each) | Marks 15 | |
| | | | CO | LL |
| a) | What is digital health? List the applications of digital health tools. | | C202.1 | R |
| b) | Define cashbook. Draw its sample format. | | C202.1 | R, A |
| c) | Write the objectives of financial management. | | C202.1 | R |
| d) | Explain the different modules and features of pharmacy operation software. | | C202.1 | U |
| e) | Justify the importance of customer relation management. | | C202.1 | A |
| f) | Discuss the advantages and disadvantages of online pharmacies. | | C202.1 | R |
| Q. 3 | Answer the following Objective Type Answers (Answer all 10 out of 10) 10 x 1 =10 | | Marks 10 | |
| | | | CO | LL |
| a) | ABC analysis is based on _____ | | C202.1 | R |
| b) | In finance, what business owns is called as _____ | | C202.1 | R |
| c) | Select which is applicable to petty cash. | | C202.1 | R |
| | a) small amount of cash | b) used for minor expenses | | |
| | c) easy & quick way of payment | d) all of these | | |
| d) | Mention the area required for running a retail community pharmacy _____ | | C202.1 | R |
| e) | Cash memo is testimony of _____ record | | C202.1 | R |
| | a) purchase | b) counselling | c) sales | d) none of these |
| f) | What is the use of CoWIN portal? | | C202.1 | R |
| g) | Storage at cold condition indicates. | | C202.1 | R |
| | a) below 0 °C | b) at 0 °C | c) at 2 to 8 °C | d) at 0 to -18 °C |
| h) | Enlist the site selection requirements. | | C202.1 | R |
| i) | What is DPCO? | | C202.1 | R |
| j) | Indicate the examples for community pharmacy software. | | C202.1 | R |

*****ALL THE BEST*****

N.S. Talwar
N.S. Talwar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 03/11/2022

Time: 02.30 – 05.30 PM

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|-------------|--|-----------------|-----------|
| Q. 1 | Synopsis (Any Five) | CO No. | LL |
| | a) Enlist the causes of overdosing of drugs. | C208.1 | R |
| | b) State the legal requirements for a prescription. | C208.1 | R |
| | c) What do you mean by inscription? | C208.1 | U |
| | d) How can we overcome omission of errors? | C208.1 | U |
| | e) What are the common types of errors in psychiatric prescriptions? | C208.1 | R |
| | f) Write any four examples of auxiliary label for monophasic liquid dosage forms. | C208.3 | U |
| | | | |
| Q. 2 | Experiment | Marks 50 | |
| | A) Major Experiment: | Marks 30 | |
| | | CO No. | LL |
| Aim: | Identify the problems associated in a given prescription (A/B/C) and mention the steps to be resolve it. Also perform the role for handling of prescription. | C208.1 | A |
| | | | |
| | B) Minor Experiment: (A/B/C) | Marks 20 | |
| | | CO No. | LL |
| Aim: | Identify the parts of given prescription; and Prepare a dispensing and auxiliary label for prescribed dosage form. | C208.1 | A |
| | | | |
| Q. 3 | Viva Voce | CO No. | LL |
| | | C208.1 | U |
| | | | |
| Q. 4 | Practical Record Maintenance | Marks 10 | |
| | | CO No. | LL |
| | | C208.1 | U |

***** ALL THE BEST*****

N.S. Patilwani
N.S. Patilwani

Expt.

Major

Minor

A

Criticare Clinic
Dr. Anil O. Salvi, MBBS

Address: Halwai Peth, AMC Road, Pune. **Time:** Monday to Saturday
10.00 a.m. to 12.30 p.m.
Phone: 020-564738 03.00 p.m. to 07.00 p.m.

Patient's Name: Vishal Paranjpe **Date:** 19/12/2019
Address: Godoli, Satara **Age:** 35 Y **Sex:** Male

Rx

| | | |
|--------------|--------|----------------|
| TAB. CEPODEM | 200 mg | 1-0-1 (5 days) |
| CAP. OMEZ | 20 mg | 1-0-0 (5 days) |

Signature: *ASalvi*
Regd No: 987XXX

Sarvoday Clinic
Dr. Manisha K. Patil, MBBS

Address: Dutta Chowk, Kolhapur. **Time:** Monday to Saturday
10.00 a.m. to 1.00 p.m.
Phone: 02162-234567 4.00 p.m. to 9.00 p.m.

Patient's Name: Tanaji Sakpal **Date:** 10/11/2021
Address: Kasbabavada, Kolhapur **Age:** 38 Y **Sex:** Male

Rx

TOBRAMYCIN (0.3%) eye drops 5 mL

Put 1 drop in both eyes every 4 hours while awake for 7 days

Signature: *M Patil*
Regd No: 223XXX

B

Dr. Sujit M. Gore, MD (Medicine)
Regd No: 123XXXX

Address: Devi Colony, Satara. **Time:** Monday to Saturday
10.00 a.m. to 12.30 p.m.
Phone: 02162-210000 04.00 p.m. to 08.00 p.m.

Rx

metformin 500mg - to 30 days

Signature: *Sujit Gore*

Trinity Clinic
Dr. Vivek R. Shastri, MBBS

Address: Plot 12, Ajinkya Colony, Vidyanagar, Satara. **Time:** Monday to Saturday
10.00 a.m. to 1.00 p.m.
Phone: 02162-234567 4.00 p.m. to 9.00 p.m.

Patient's Name: Mr. Bhushan Chavan **Date:** 15/10/2021
Address: Limb, Satara **Age:** 24 Y **Sex:** Male

Rx

TAB. METFORMIN 500 mg BD (with food) 30 days

Signature: *V Shastri*
Regd No: 123XXXX

C

Manoshanti Clinic
Dr. Rajesh C. Wakale, MBBS, DPM

Address: Trimurti Colony, Sabar bazar, Satara. **Time:** Monday to Saturday
10.00 a.m. to 01.00 p.m.
Phone: 02162-219456 04.00 p.m. to 09.00 p.m.

Patient's Name: Prakash Rao
Address: Rahimnagar, Satara

Rx

Xycalm 1-1-1 (10)

Signature: *Rajesh Wakale*
Regd No: 234XXX

Trinity Clinic
Dr. Vivek R. Shastri, MBBS

Address: Plot 12, Ajinkya Colony, Vidyanagar, Satara. **Time:** Monday to Saturday
10.00 a.m. to 1.00 p.m.
Phone: 02162-234567 4.00 p.m. to 9.00 p.m.

Patient's Name: Aniruddha Desai **Date:** 15/10/2021
Address: Shahu colony, Satara **Age:** 36 Y **Sex:** Male

Rx

CAP. AMOXICILLIN 500 mg TD 7 days

Signature: *V Shastri*
Regd No: 123XXXX

Dr. N.S. Patil
N.S. Patil



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23
Subject: Community Pharmacy & Management Subject Code: 20057
Class: S. Y. D. Pharmacy Date: 04/11/2022
Time: 02.30 – 05.30 PM Batch-C Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 |
|------|--|-----------|
| Q. 1 | Synopsis (Any Five) | CO No. LL |
| | a) What is the significance of subscription? | C208.1 U |
| | b) State the legal requirements for a prescription. | C208.1 R |
| | c) Mention the omission errors related to drugs. | C208.1 U |
| | d) What are the reasons for prescription overdosing? | C208.1 U |
| | e) Enlist the types of prescription errors in psychiatry | C208.1 R |
| | f) Define dispensing label and auxiliary label. | C208.3 R |
| | | |
| Q. 2 | Experiment | Marks 50 |
| | A) Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | Identify the problems associated in a given prescription (A/B/C) and mention the steps to be resolve it. Also perform the role for handling of prescription. | C208.1 A |
| | | |
| | B) Minor Experiment: (A/B/C) | Marks 20 |
| | | CO No. LL |
| Aim: | Identify the parts of given prescription; and Prepare a dispensing and auxiliary label for prescribed dosage form. | C208.1 A |
| | | |
| Q. 3 | Viva Voce | CO No. LL |
| | | C208.1 U |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C208.1 U |

*****ALL THE BEST*****

N. S. Patil
N. S. Patil



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 31/10/2022

Time: 02.30 – 05.30 PM

Batch-B

Max. Marks: 80

Instructions: 1. All questions are compulsory.

2. Draw a well labeled diagram wherever necessary.

| | | Marks 10 | |
|--------|--|----------|-----------------|
| Q. No. | Question | CO No. | LL |
| Q. 1 | Synopsis (Any Five) | | |
| a) | Define Prescription. Enlist the various parts of prescription. | C208.1 | R |
| b) | State the legal requirements for a prescription. | C208.1 | R |
| c) | Mention the omission errors related to drugs. | C208.1 | U |
| d) | What do you mean by overdosing of drugs? | C208.1 | R |
| e) | Define pharmacokinetic drug-drug interactions. | C208.1 | R |
| f) | Write any four examples of auxiliary label for solid dosage forms. | C208.3 | U |
| Q. 2 | Experiment | | Marks 50 |
| A) | Major Experiment: | | Marks 30 |
| Aim: | Identify the problems associated in a given prescription (A/B/C) and mention the steps to be resolve it. Also perform the role for handling of prescription. | C208.1 | LL |
| B) | Minor Experiment: (A/B/C) | | Marks 20 |
| Aim: | Identify the parts of given prescription; and Prepare a dispensing and auxiliary label for prescribed dosage form. | C208.1 | LL |
| Q. 3 | Viva Voce | CO No. | LL |
| | | C208.1 | U |
| Q. 4 | Practical Record Maintenance | | Marks 10 |
| | | CO No. | LL |
| | | C208.1 | U |

***** ALL THE BEST *****

93
N. S. Talwar
N. S. Talwar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 14/02/2023

Time:02.30 - 05.30 PM

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|---|---------------|-----------------|--|
| Q. 1 Synopsis (Any Five) | CO No. | LL | |
| a) State the components of dispensing label for suppository dosage form. | C208.3 | R | |
| b) What is blood pressure? | C208.2 | U | |
| c) What is asthma? Give its symptoms. | C208.2 | U | |
| d) Give any four causes of obesity. | C208.2 | U | |
| e) Write the stages of hypertension. | C208.2 | U | |
| f) Report the complications in diabetes mellitus. | C208.3 | U | |
| Q. 2 Experiment | | Marks 50 | |
| A) Major Experiment: | | Marks 30 | |
| | CO No. | LL | |
| a Aim: To report the counseling of simulated patient for management of diabetes mellitus. (demo, lifestyle modification, medication, complications and monitoring) | C208.2 | A | |
| | C208.3 | A | |
| b Aim: To report the counseling of simulated patient for management of hypertension. (demo, lifestyle modification, medication, complications and monitoring) | C208.2 | A | |
| | C208.3 | A | |
| c Aim: To report the blood glucose level of simulated patient using glucometer and counsel accordingly. | C208.2 | A | |
| | C208.3 | A | |
| d Aim: To report the blood pressure of simulated patient by sphygmomanometer and counsel accordingly. | C208.2 | A | |
| | C208.3 | A | |
| B) Minor Experiment: | | Marks 20 | |
| | CO No. | LL | |
| a Aim: To measure the peak expiratory flow rate using peak flow meter. | C208.5 | A | |
| b Aim: To measure the capillary oxygen level using pulse oximeter & mobile app. | C208.5 | A | |
| c Aim: To interpret the body mass index (BMI) of individual. | C208.5 | A | |
| Q. 3 Viva Voce | | Marks 10 | |
| | CO No. | LL | |
| | C208.5 | U | |
| Q. 4 Practical Record Maintenance | | Marks 10 | |
| | CO No. | LL | |
| | C208.1 | | |
| | C208.2 | | |
| | C208.3 | U | |
| | C208.5 | | |

***** ALL THE BEST *****

N.S. Talwar
N.S. Talwar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 13/02/2023

Time: 02.30 - 05.30 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C208.3 | R |
| C208.2 | U |
| C208.2 | U |
| C208.2 | U |
| C208.2 | U |
| C208.3 | U |

- State the components of dispensing label for biphasic liquid dosage form.
- Define hypertension and hypotension.
- State various diagnostic tests for asthma.
- What are the risk factors for obesity?
- Write the patient counselling in management of diabetes mellitus.
- Report the antihypertensive medications with examples.

Q. 2 Experiment

Marks 50

Marks 30

| CO No. | LL |
|--------|----|
| C208.2 | A |
| C208.3 | A |
| C208.2 | A |
| C208.3 | A |
| C208.5 | A |
| C208.3 | A |
| C208.5 | A |
| C208.3 | A |

A) Major Experiment:

- Aim:** To report the counseling of simulated patient for management of diabetes mellitus. (demo, lifestyle modification, medication, complications and monitoring)
- Aim:** To report the counseling of simulated patient for management of hypertension. (demo, lifestyle modification, medication, complications and monitoring)
- Aim:** To report the blood glucose level of simulated patient using glucometer and counsel accordingly.
- Aim:** To report the blood pressure of simulated patient by sphygmomanometer and counsel accordingly.

B) Minor Experiment:

Marks 20

| CO No. | LL |
|--------|----|
| C208.5 | A |
| C208.5 | A |
| C208.5 | A |

- Aim:** To measure the peak expiratory flow rate using peak flow meter.
- Aim:** To measure the capillary oxygen level using pulse oximeter & mobile app.
- Aim:** To interpret the body mass index (BMI) of individual.

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C208.2 | U |
| C208.5 | U |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C208.2 | U |
| C208.5 | U |

*****ALL THE BEST*****

42
Nalwani
N. S. Dalwani



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 15/02/2023

Time: 02.30 - 05.30 PM

Batch-C

Max. Marks: 80

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

Q. 1 Synopsis (Any Five)

Marks 10

| | CO No. | LL |
|--|---------------|-----------|
| a) State the components of dispensing label for semisolid dosage form. | C208.3 | R |
| b) Give the causes of hypertension and hypotension | C208.2 | U |
| c) What do you mean by PEFr? | C208.2 | U |
| d) Write the formula to calculate BMI | C208.2 | U |
| e) Write the patient counselling in management of hypertension. | C208.2 | U |
| f) Report the antidiabetic medications with examples. | C208.3 | U |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

| | CO No. | LL |
|---|---------------|-----------|
| a Aim: To report the counseling of simulated patient for management of diabetes mellitus. (demo, lifestyle modification, medication, complications and monitoring) | C208.2 | A |
| | C208.3 | A |
| b Aim: To report the counseling of simulated patient for management of hypertension. (demo, lifestyle modification, medication, complications and monitoring) | C208.2 | A |
| | C208.3 | A |
| c Aim: To report the blood glucose level of simulated patient using glucometer and counsel accordingly. | C208.5 | A |
| | C208.3 | A |
| d Aim: To report the blood pressure of simulated patient by sphygmomanometer and counsel accordingly. | C208.5 | A |
| | C208.3 | A |

B) Minor Experiment:

Marks 20

| | CO No. | LL |
|--|---------------|-----------|
| a Aim: To measure the peak expiratory flow rate using peak flow meter. | C208.5 | A |
| b Aim: To measure the capillary oxygen level using pulse oximeter & mobile app. | C208.5 | A |
| c Aim: To interpret the body mass index (BMI) of individual. | C208.5 | A |

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|---------------|-----------|
| C208.2 | U |
| C208.5 | U |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|---------------|-----------|
| C208.2 | U |
| C208.5 | U |

***** ALL THE BEST*****

43
Nalwase
N.S. Nalwase



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 17/04/2023

Time: 10.00AM - 01.00PM

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| | CO No. | LL |
|--|---------------|-----------|
| a) State the any four key features of community pharmacy software. | C208.3 | R |
| b) Explain any two applications of digital health tools. | C208.2 | U |
| c) What are suppositories? Give its types. | C208.3 | U |
| d) What is rheumatoid arthritis? State it's symptoms. | C208.2 | U |
| e) Enlist any four marketed lipid lowering formulations. | C208.3 | R |
| f) How do you administer buccal tablet? | C208.3 | U |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

(Counselling Points-10 M, Enactment-20M)

| | CO No. | LL |
|--|----------------------------|-----------|
| a Aim: Counsel the patient suffering from asthma carrying the provided prescription. | C208.2 C208.3 C208.4 | A |
| b Aim: Counsel the patient suffering from common cold and advise suitable OTC product to be used. | C208.2 C208.3 C208.4 | A |
| c Aim: Counsel the patient suffering from headache and advise suitable OTC product to be used. | C208.2 C208.3 C208.4 | A |
| d Aim: Counsel the patient suffering from common diarrhea and advise suitable OTC product to be used. | C208.2 C208.3 C208.4 | A |

B) Minor Experiment:

Marks 20

| | CO No. | LL |
|---|------------------|-----------|
| a Aim: Demonstrate the appropriate steps of handling and administration of eye drops prescribed to the patient. | C208.1 C208.3 | A |
| b Aim: Demonstrate the appropriate steps of handling and administration of nasal drops prescribed to the patient. | C208.1 C208.3 | A |
| c Aim: Demonstrate the appropriate steps of handling and administration of oral liquids prescribed to the patient. | C208.1 C208.3 | A |

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|---------------|-----------|
| C208.2 | U |
| C208.3 | |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|---------------|-----------|
| C208.2 | |
| C208.3 | U |

*****ALL THE BEST*****

42
Nalwan
N.H. Patil



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 18/04/2023

Time: 10.00AM - 01.00PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

| CO No. | LL |
|--------|----|
| C208.3 | U |
| C208.2 | U |
| C208.3 | U |
| C208.2 | U |
| C208.3 | R |
| C208.3 | U |

- a) What is a community pharmacy software? Give its advantages.
- b) What are digital health tools? Enlist various digital health tools
- c) How will you administer rectal suppository?
- d) What lifestyle changes should be made in the lifestyle of a patient suffering from RA?
- e) Enlist any four marketed lipid lowering formulations.
- f) How you can handle and apply transdermal patches?

Q. 2 Experiment

Marks 50

Marks 30

| CO No. | LL |
|--------|----|
| C208.2 | |
| C208.3 | A |
| C208.4 | |
| C208.2 | |
| C208.3 | A |
| C208.4 | |
| C208.2 | |
| C208.3 | A |
| C208.4 | |
| C208.2 | |
| C208.3 | A |
| C208.4 | |

A) Major Experiment:

(Counselling Points-10 M, Enactment-20M)

- a **Aim:** Counsel the patient suffering from asthma carrying the provided prescription.
- b **Aim:** Counsel the patient suffering from common cold and advise suitable OTC product to be used.
- c **Aim:** Counsel the patient suffering from headache and advise suitable OTC product to be used.
- d **Aim:** Counsel the patient suffering from common diarrhea and advise suitable OTC product to be used.

B) Minor Experiment:

Marks 20

| CO No. | LL |
|--------|----|
| C208.3 | A |
| C208.3 | A |
| C208.3 | A |

- a **Aim:** Demonstrate the appropriate steps of handling and administration of eye drops prescribed to the patient.
- b **Aim:** Demonstrate the appropriate steps of handling and administration of nasal drops prescribed to the patient.
- c **Aim:** Demonstrate the appropriate steps of handling and administration of oral liquids prescribed to the patient.

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|----|
| C208.2 | U |
| C208.3 | U |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|----|
| C208.2 | U |
| C208.3 | U |

*****ALL THE BEST*****

N.S. Talwar
N.S. Talwar



Shri Vile Parle Kelavani Mandal's

Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Community Pharmacy & Management Subject Code: 20057

Class: S. Y. D. Pharmacy

Date: 21/04/2023

Time: 10.00AM - 01.00PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|---|--|-----------------|-----------|
| | | CO No. | LL |
| Q. 1 Synopsis (Any Five) | | C208.3 | R |
| a) What is a community pharmacy software? Give its advantages. | | C208.2 | U |
| b) Explain any two applications of digital health tools. | | C208.3 | U |
| c) What are enemas? Give its types. | | C208.2 | U |
| d) What is rheumatoid arthritis? State its symptoms. | | C208.3 | R |
| e) Enlist any four marketed lipid lowering formulations. | | C208.3 | U |
| f) Explain the patient about administration of sublingual and buccal tablets. | | | |
| Q. 2 Experiment | | Marks 50 | |
| A) Major Experiment: | | Marks 30 | |
| (Counselling Points-10 M, Enactment-20M) | | CO No. | LL |
| a Aim: Counsel the patient suffering from asthma carrying the provided prescription. | | C208.2 | |
| | | C208.3 | A |
| | | C208.4 | |
| b Aim: Counsel the patient suffering from common cold and advise suitable OTC product to be used. | | C208.2 | |
| | | C208.3 | A |
| | | C208.4 | |
| c Aim: Counsel the patient suffering from headache and advise suitable OTC product to be used. | | C208.2 | |
| | | C208.3 | A |
| | | C208.4 | |
| d Aim: Counsel the patient suffering from common diarrhea and advise suitable OTC product to be used. | | C208.2 | |
| | | C208.3 | A |
| | | C208.4 | |
| B) Minor Experiment: | | Marks 20 | |
| | | CO No. | LL |
| a Aim: Demonstrate the appropriate steps of handling and administration of eye drops prescribed to the patient. | | C208.3 | A |
| b Aim: Demonstrate the appropriate steps of handling and administration of nasal drops prescribed to the patient. | | C208.3 | A |
| c Aim: Demonstrate the appropriate steps of handling and administration of oral liquids prescribed to the patient. | | C208.3 | A |
| Q. 3 Viva Voce | | Marks 10 | |
| | | CO No. | LL |
| | | C208.2 | U |
| | | C208.3 | |
| Q. 4 Practical Record Maintenance | | Marks 10 | |
| | | CO No. | LL |
| | | C208.2 | U |
| | | C208.3 | |

*****ALL THE BEST*****

43
Nalwan
N. S. Palwase



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20223

Class: S.Y. D. Pharmacy

Date: 09/11/2022

Time: 10.00 AM -11.30 AM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|------|---|----------|----|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Define & classify Carbohydrates with examples. | C203.1 | R |
| b) | Describe alpha helical and beta pleated structures of Proteins. | C203.1 | U |
| c) | Sketch DNA Double helix. Describe its main Features and write Functions. | C203.1 | U |
| d) | Define & Classify lipids. | C203.1 | U |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | Explain Mechanism of binding of substrate with an enzyme at the active site. | C203.1 | U |
| b) | Discuss biological functions of lipids. | C203.1 | U |
| c) | Describe in short about: (i) Essential amino acids ii) Isoelectric point | C203.1 | U |
| d) | List the factors affecting the rate of enzyme catalyzed reaction and explain effect of substrate concentration on the rate. | C203.2 | A |
| e) | Name four important organelles of animal cell and recall one function of each. | C203.1 | R |
| f) | Sketch shapes of various osazones of Carbohydrates and write reaction involved in Osazone formation of Glucose. | C203.5 | U |
| | | Marks 10 | |
| Q. 3 | Answer the following | CO No. | LL |
| a) | Name the cellular organelles which is called as "suicide bags". (A) Lysosomes (B) Ribosomes (C) Nucleolus (D) Golgi's bodies | C203.1 | R |
| b) | Recall: Mutarotation refers to change in- (A) Conductance (B) Optical rotation (C) pH (D) Chemical properties | C203.1 | R |
| c) | Identify - Amylose is a constituent of (A) Starch (B) Cellulose (C) Glycogen (D) None of these | C203.1 | R |
| d) | State optically inactive amino acid. (A) Glycine (B) Serine (C) Threonine (D) Valine | C203.1 | R |
| e) | Select- optimal pH of most of the enzymes is - (A) Between 2 & 4 (B) Between 5 & 9 (C) Between 8 & 12 (D) Above 12 | C203.2 | R |
| f) | Give examples of Purine bases. | C203.1 | U |
| g) | Predict: Libermann –Burchard test is used for estimation of _____ | C203.5 | U |
| h) | Sketch a structure of D-glucose. | C203.1 | R |
| i) | Define fats. | C203.1 | R |
| j) | Tell the Types of RNA. | C203.1 | R |

*****ALL THE BEST*****

Amritkar
(Ms. A.M. Amritkar)



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Second Sessional Theory Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20223

Class: S.Y. D. Pharmacy

Date: 22/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | Marks | |
|---|---------------|-----------|
| Q.1 Answer any THREE of the following (5 Marks Each) | 15 | |
| | CO No. | LL |
| a) Give functions, deficiency diseases of Vitamin A and describe its role in vision. | C203.1 | U |
| b) Describe biosynthetic pathway of urea in body. | C203.3 | U |
| c) Explain in brief reactions of Glycolysis. | C203.3 | U |
| d) Discuss the reactions involved in Beta oxidation of fatty acids. | C203.3 | U |
| Q. 2 Answer any FIVE of the following (3 Marks Each) | 15 | |
| | CO No. | LL |
| a) Explain the reactions: i) Transamination ii) Oxidative deamination | C203.3 | A |
| b) Define and classify vitamins. | C203.1 | U |
| c) Describe glycogen storage disease and Diabetes Mellitus. | C203.3 | R |
| d) Give energetics of TCA Cycle. | C203.3 | A |
| e) Explain the following terms i) Metabolism ii) Oxidative phosphorylation | C203.3 | U |
| f) Write short note on: i) Ketogenesis ii) Phenylketonuria | C203.3 | A |
| Q. 3 Answer the following | 10 | |
| | CO No. | LL |
| a) The initial catabolism of a _____ begins with digestion of the triglycerides to glycerol and three fatty acid molecules. A) Carbohydrates B) Proteins C) Enzymes D) Lipids | C203.3 | R |
| b) During starvation, ketone bodies are used as a fuel by A) Erythrocytes B) Brain C) Liver D) None of these | C203.3 | R |
| c) Chemical compounds involved in the process of metabolism is known as _____. A) Metabolites B) Radicals C) Catabolites D) Intermediates | C203.3 | R |
| d) Memorize- Active form of vitamin B6 is: A) Pyridoxine B) Pyridoxal C) Pyridoxamine D) All the above | C203.1 | U |
| e) Identify the principle energy carrying molecule in a cell. A) ADP B) ATP C) NADP D) AMP | C203.3 | R |
| f) Recall- The synthesis of glycogen from glucose is A) Glycogenolysis B) Glycolysis C) Glycogenesis D) Gluconeogenesis | C203.3 | U |
| g) Name coenzymes derived from Vitamin B3. | C203.1 | R |
| h) Recall name of the vitamin, deficiency of which leads to Scurvy & Rickets. | C203.1 | R |
| i) Define Coenzyme. | C203.1 | R |
| j) List the two hormone involved in regulation of blood glucose level. | C203.3 | R |

*****ALL THE BEST*****

Amritkar
Mrs. N. M. Amritkar



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Theory Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20223

Class: S.Y. D. Pharmacy

Date: 26/04/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 |
|------|---|-----------|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. LL |
| a) | Write biological role of calcium and give its deficiency disorders. | C203.1 U |
| b) | Explain routinely performed tests to access the functions of kidney with its significance. | C203.4 R |
| c) | Explain water balance of normal individuals and mention the routes of excretion of water from the body. | C203.1 R |
| d) | Define pathological urine. Name abnormal constituents of urine with its significance and diseases associated with them. | C203.6 U |
| | | Marks 15 |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. LL |
| a) | Discuss various applications of Biotechnology. | C203.1 R |
| b) | Write Composition and functions of blood. | C203.6 R |
| c) | Define and classify minerals with examples. | C203.1 R |
| d) | What is Anemia? Give its types and explain Megaloblastic anemia. | C203.6 U |
| e) | Define dehydration. Explain causes, symptoms & treatment of dehydration. | C203.1 A |
| f) | Give Major Functions of liver. Enlist Various liver function tests. | C203.4 U |
| | | Marks 10 |
| Q. 3 | Answer the following | CO No. LL |
| a) | What is the plasma fraction of blood in terms of percentage? A) 70% B) 90% C) 60% D) 55% | C203.6 R |
| b) | Name the disorder caused by deficiency of Sodium. A) Hypocalcemia B) Hypernatremia C) Hyponatremia D) Hypokalemia | C203.1 R |
| c) | Recall: Major Cation present in extracellular fluid is A) Potassium B) Sodium C) Chloride D) Phosphate | C203.1 R |
| d) | Fill in the blanks: Total body water is _____ % A) 60 B) 80 C) 20 D) 90 | C203.1 R |
| e) | Recall- Green Biotechnology deals with A) Vaccine B) Agriculture C) Industry D) Medicines | C203.1 R |
| f) | Define Biotechnology. | C203.1 U |
| g) | Name any two leucocyte disorders. | C203.6 U |
| h) | In which disease bile pigment occur in urine? | C203.4 A |
| i) | Define Electrolytes. | C203.1 R |
| j) | Write deficiency disease of Iron. | C203.6 U |

*****ALL THE BEST*****

Amritkar
(Mrs. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20058

Class: S.Y. D. Pharmacy

Date: 01/11/2022

Time: 02:30 PM to 05:30 PM

Batch-A

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

| | | |
|-------------|---|------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | Discuss two differences between Mono and Disaccharides. | C209.1 U |
| b) | Name two diseases related to abnormal metabolism of glucose. | C209.1 R |
| c) | List the biological functions of protein. | C209.1 R |
| d) | State amino acids are present in albumin. | C209.1 R |
| e) | Write about the solubility of Polysaccharides. | C209.1 U |
| f) | State the result and inference of Biuret test. | C209.1 R |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To identify the unknown sample of carbohydrates by qualitative tests. (Sample A: Fructose Sample B: Lactose) | C209.1 A |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To calibrate the volumetric flask used in the laboratory. | C209.1 A |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20058

Class: S.Y. D. Pharmacy

Date: 04/11/2022

Time: 02:30 PM to 05:30 PM

Batch-B

Max. Marks: 80

- Instructions:*
- 1. All questions are compulsory.*
 - 2. Draw a well labeled diagram wherever necessary*

| | | |
|-------------|---|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | List the biological functions of carbohydrates. | C209.1 R |
| b) | State the formula for density. | C209.1 R |
| c) | Write about the solubility of Monosaccharides. | C209.1 U |
| d) | State amino acids are present in casein. | C209.1 R |
| e) | Tell examples of Disaccharides. | C209.1 R |
| f) | Give examples of essential amino acids. | C209.1 U |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To identify the unknown sample of carbohydrates by qualitative tests. (Sample A: Casein Sample B: Albumin) | C209.1 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To Calibrate the Burette used in the Laboratory. | C209.1 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |

***** ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20058

Class: S.Y. D. Pharmacy

Date: 03/11/2022

Time: 02:30 PM to 05:30 PM

Batch-C

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | |
|-------------|---|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | Discuss the Principle of Molisch Test. | C209.1 U |
| b) | State major source of albumin and casein. | C209.1 R |
| c) | Write a Significance of Iodine test. | C209.1 U |
| d) | List the biological functions of Proteins. | C209.1 R |
| e) | Tell amino acids present in Gelatin. | C209.1 R |
| f) | Trace a Structure of D-Glucose or Fructose | C209.1 U |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To identify the unknown sample of carbohydrates by qualitative tests. (Sample A: Maltose Sample B: Dextrose) | C209.1 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To Calibrate the Burette used in the Laboratory. | C209.1 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.1 A |

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology **Subject Code: 20058**
Class: S.Y. D. Pharmacy **Date: 13/02/2023**
Time: 02:30 PM to 05:30 PM **Batch-A** **Max. Marks: 80**

Instructions: 1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | |
|-------------|--|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | Enlist essential amino acids | C209.1 R |
| b) | Discuss the solubility of lipids in water | C209.1 R |
| c) | Define saponification of lipids | C209.1 R |
| d) | How many carbon atoms are there in cholesterol? | C209.2 R |
| e) | What is the normal pH range of urine | C209.2 R |
| f) | Name the abnormal constituents of urine | C209.2 R |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To detect normal constituents in a given sample of urine by qualitative tests | C209.2 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To identify the unknown amino acid sample by qualitative analysis | C209.1 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23
Subject: Biochemistry & Clinical Pathology Subject Code: 20058
Class: S.Y. D. Pharmacy Date: 17/02/2023
Time: 02:30 PM to 05:30 PM Batch-B Max. Marks: 80

Instructions: 1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | | |
|-------------|--|---------------|-----------------|
| Q. 1 | Synopsis (Any Five) | | Marks 10 |
| | | CO No. | LL |
| a) | Enlist essential amino acids | C209.1 | R |
| b) | What is the normal cholesterol level in blood | C209.1 | R |
| c) | Mention the normal volume of urine | C209.1 | R |
| d) | State the pathological condition in which Blood is excreted in urine | C209.1 | U |
| e) | Name the inorganic normal constituents of urine | C209.1 | R |
| f) | Discuss the solubility of lipids in organic solvents | C209.1 | R |
| | | | |
| Q. 2 | Experiment | | Marks 50 |
| A) | Major Experiment: | | Marks 30 |
| | | CO No. | LL |
| Aim: | To detect abnormal constituents in a given sample of urine by qualitative tests | C209.2 | A |
| | | | |
| B) | Minor Experiment: | | Marks 20 |
| | | CO No. | LL |
| Aim: | To perform various qualitative tests for lipids | C209.1 | A |
| | | | |
| Q. 3 | Viva Voce | | Marks 10 |
| | | CO No. | LL |
| | | C209.2 | A |
| | | | |
| Q. 4 | Practical Record Maintenance | | Marks 10 |
| | | CO No. | LL |
| | | C209.2 | A |

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology Subject Code: 20058

Class: S.Y. D. Pharmacy

Date: 16/02/2023

Time: 02:30 PM to 05:30 PM

Batch-C

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | |
|-------------|---|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | State the pathological condition in which high level of bile pigment is excreted in urine | C209.2 R |
| b) | Name the test to identify reducing sugar in the urine. | C209.1 R |
| c) | Define polyuria | C209.2 R |
| d) | Name the organic normal constituents of urine | C209.2 R |
| e) | What is the normal color of urine? | C209.2 R |
| f) | How many carbon atoms are there in cholesterol? | C209.1 R |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To detect normal constituents in a given sample of urine by qualitative tests | C209.2 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To perform identification tests for cholesterol | C209.1 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |

***** ALL THE BEST *****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology **Subject Code: 20058**

Class: S.Y. D. Pharmacy

Date: 19/04/2023

Time: 10:00 AM to 01:00 PM

Batch-A

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | |
|-------------|--|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | State the importance of cholesterol in the body. | C209.2 U |
| b) | What is the role of creatinine phosphate in the body? | C209.2 U |
| c) | Why is vit.D given along with calcium? | C209.2 U |
| d) | What is uremia? | C209.2 U |
| e) | Enlist the methods for estimation of blood glucose levels. | C209.2 R |
| f) | Explain the method used to estimate creatinine in blood. | C209.2 U |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To estimate the amount of creatinine present in the given sample of urine | C209.2 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To estimate the amount of calcium in the given sample of human blood | C209.2 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |

***** ALL THE BEST *****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology Subject Code: 20058

Class: S.Y. D. Pharmacy Date: 21/04/2023

Time: 10:00 AM to 01:00 PM Batch-B Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | | |
|-------------|--|---------------|-----------------|
| Q. 1 | Synopsis (Any Five) | | Marks 10 |
| | | CO No. | LL |
| a) | Enlist rich sources of cholesterol. | C209.2 | R |
| b) | Give reasons for lower creatinine levels in females. | C209.2 | U |
| c) | Describe functions of calcium in the body. | C209.2 | U |
| d) | What are the different causes of uremia? | C209.2 | R |
| e) | What are the different types of diabetes mellitus? | C209.2 | R |
| f) | Mention the normal and random blood sugar levels. | C209.2 | R |
| | | | |
| Q. 2 | Experiment | | Marks 50 |
| A) | Major Experiment: | | Marks 30 |
| | | CO No. | LL |
| Aim: | To estimate the amount of creatinine in the given sample of human blood using colorimeter | C209.2 | A |
| | | | |
| B) | Minor Experiment: | | Marks 20 |
| | | CO No. | LL |
| Aim: | To estimate the amount of glucose in the given sample of urine | C209.2 | A |
| | | | |
| Q. 3 | Viva Voce | | Marks 10 |
| | | CO No. | LL |
| | | C209.2 | A |
| | | | |
| Q. 4 | Practical Record Maintenance | | Marks 10 |
| | | CO No. | LL |
| | | C209.2 | A |

*****ALL THE BEST*****

(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Biochemistry & Clinical Pathology

Subject Code: 20058

Class: S.Y. D. Pharmacy

Date: 20/04/2023

Time: 10:00 AM to 01:00 PM

Batch-C

Max. Marks: 80

- Instructions:*
1. All questions are compulsory.
 2. Draw a well labeled diagram wherever necessary

| | | |
|-------------|---|-----------------------|
| Q. 1 | Synopsis (Any Five) | Marks 10 |
| | | CO No. LL |
| a) | What are the major causes of hypercholesterolemia? | C209.2 U |
| b) | How creatinine is formed in the body? Give its normal range. | C209.2 U |
| c) | Enlist calcium deficiency disorders. | C209.2 R |
| d) | Name the factors affecting high urea level in the blood of normal person. | C209.2 R |
| e) | What is the effect of temperature on amylase activity? | C209.2 U |
| f) | Discuss about amylase. | C209.2 U |
| | | |
| Q. 2 | Experiment | Marks 50 |
| A) | Major Experiment: | Marks 30 |
| | | CO No. LL |
| Aim: | To estimate the amount of glucose in the given sample of human blood | C209.2 A |
| | | |
| B) | Minor Experiment: | Marks 20 |
| | | CO No. LL |
| Aim: | To estimate the amount of cholesterol in the given sample of human blood | C209.2 A |
| | | |
| Q. 3 | Viva Voce | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |
| | | |
| Q. 4 | Practical Record Maintenance | Marks 10 |
| | | CO No. LL |
| | | C209.2 A |

*****ALL THE BEST*****


(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20224

Class: S. Y. D. Pharmacy

Date: 10.11.2022

Time: 10 AM -11.30 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q.1 Answer any THREE of the following | (5 Marks Each) | Marks 15 |
|--|--------------------------|-----------|
| | | CO No. LL |
| a) Define PCOS? Explain its etiopathogenesis, clinical manifestation and diagnosis criteria. | | C204.1 A |
| b) Define psoriasis? Explain its etiopathogenesis, clinical manifestation & non-pharmacological management. | | C204.1 U |
| c) Define rational use of medicines. Indicate any 4 factors leading to the need for rational use of medicines. Give any 2 examples if irrational use of medicines. | | C204.3 U |
| d) Define conjunctivitis. List its types with causative agent. Explain pharmacological management of both types of conjunctivitis. | | C204.4 R |
| Q.2 Answer any FIVE of the following | (3 Marks Each) | Marks 15 |
| | | CO No. LL |
| a) Define scabies. Discuss its etiopathogenesis. Give the first line of treatment for Scabies. | | C204.1 R |
| b) Define Pharmacotherapeutics. Enlist any 4 objectives of Pharmacotherapeutics. | | C204.3 R |
| c) Compute a short note on Eczema. | | C204.1 A |
| d) What is Peptic Ulcer? Explain its pharmacological management. | | C204.2 A |
| e) What is STG? List any 4 advantages of Standard Treatment Guidelines. | | C204.3 R |
| f) Compute a short note on Glaucoma. | | C204.1 A |
| Q.3 Answer the following | | Marks 10 |
| | | CO No. LL |
| a) Identify which of the following means "the study of therapeutic uses & effects of drugs" is | | C204.2 U |
| 1. Pharmacokinetics | 2. Pharmacodynamics | |
| 3. Pharmacotherapeutics | 4. Pharmacy | |
| b) State how many medicines current NLEM India contains? | | C204.3 R |
| c) State which of the following is causative agent for Scabies. | | C204.1 R |
| 1. E. coli | 2. Staphylococcus aureus | |
| 3. Syphilis | 4. Sarcoptes scabiei | |
| d) Trace which of the following is associated with Hyperandrogenism. | | C204.1 U |
| 1. Diabetes mellitus | 2. PCOS | |
| 3. Peptic ulcer | 4. Psoriasis | |
| e) Identify which of the following disease is associated with destruction of optic nerve. | | C204.1 U |
| 1. Diabetes mellitus | 2. PCOS | |
| 3. Cataract | 4. Glaucoma | |
| f) Report which of the following is contraindicated in peptic ulcer? | | C204.3 A |
| 1. Aspirin | 2. Omeprazole | |
| 3. Cimetidine | 4. None of the above | |
| g) Name any two types of dermatitis. | | C204.1 R |
| h) Select: _____ is an Anti-androgen drug. | | C204.3 U |
| i) Select: Esomeprazole is an example from _____ category. | | C204.3 U |
| j) Select: Tacrolimus is used in the treatment of _____. | | C204.3 U |

***** ALL THE BEST*****

Ms. K.R. More



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20224

Class: S. Y. D. Pharmacy

Date: 23.02.2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q.1 | Answer any THREE of the following | (5 Marks Each) | Marks 15 |
|-----|---|----------------|-----------|
| | | | CO No. LL |
| a) | Define hypertension. Explain its etiopathogenesis, clinical manifestation and management. | | C204.1 R |
| b) | Define angina pectoris. Explain its etiopathogenesis, clinical manifestation & pharmacotherapy. | | C204.1 R |
| c) | Define epilepsy. Enlist any 4 types and discuss their first line of treatment. | | C204.1 R |
| d) | Describe etiopathogenesis, clinical manifestations and management of Alzheimer's disease. | | C204.1 R |
| Q.2 | Answer any FIVE of the following | (3 Marks Each) | Marks 15 |
| | | | CO No. LL |
| a) | Define COPD. State its etiopathogenesis & clinical manifestations. | | C204.1 R |
| b) | Define asthma. List its triggers & clinical manifestations. | | C204.2 R |
| c) | Define hyperlipidemia. Determine points related to its patient counselling. | | C204.4 A |
| d) | What is Parkinson's Disease? Discuss its pharmacological treatment. | | C204.3 U |
| e) | Define anemia? List its types and give the normal value of Hb in Adults. | | C204.1 R |
| f) | List any 2 CNS conditions. Determine patient counselling points related to any 1. | | C204.4 A |
| Q.3 | Answer the following | | Marks 10 |
| | | | CO No. LL |
| a) | Recall the causes of megaloblastic anemia & iron deficiency anemia. | | C204.1 R |
| b) | Associate "salbutamol" with one of the following a) Migraine b) Asthma c) Alzheimer's disease d) Parkinson's disease | | C204.3 U |
| c) | Indicate the goal of therapy for CHF. | | C204.2 U |
| d) | Associate "inadequate supply of oxygenated blood" with one of the following a) Anemia b) MI c) Eczema d) Alzheimer's disease | | C204.1 U |
| e) | Associate "Ischemia or Hemorrhage" with one of the following a) Stroke b) Asthma c) Alzheimer's disease d) Parkinson's disease | | C204.3 U |
| f) | Indicate the main cause of COPD is _____. | | C204.1 U |
| g) | Indicate any 2 categories of drugs used in the treatment of CHF. | | C204.3 U |
| h) | Indicate any 2 salts used as oral iron therapy in the treatment of anemia. | | C204.3 U |
| i) | Name the any 2 sources of Vit B ₁₂ . | | C204.2 R |
| j) | Indicate the use & dose of Atorvastatin. | | C204.2 U |

*****ALL THE BEST*****


Ms. K.R. More



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20224

Class: S. Y. D. Pharmacy

Date: 27.04.2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q.1 Answer any THREE of the following (5 Marks Each) | | Marks 15 | |
|---|---|-----------------|-----------|
| | | CO No. | LL |
| a) | Define diabetes mellitus. Discuss its etiopathogenesis and pharmacological management. | C204.4 | R |
| b) | Define depression. Explain its etiopathogenesis, clinical manifestation & pharmacological therapy. | C204.1 | R |
| c) | Name the causative agent of TB. Discuss its etiopathogenesis, clinical manifestation & pharmacological therapy. | C204.1 | R |
| d) | What is pneumonia. State its causative agent, clinical manifestation & pharmacological therapy. | C204.1 | R |
| Q.2 Answer any FIVE of the following (3 Marks Each) | | Marks 15 | |
| | | CO No. | LL |
| a) | Define anti-microbial resistance. List the main causes of anti-microbial resistance. | C204.2 | R |
| b) | List any 2 hormones secreted by thyroid gland. Define hyperthyroidism and give its 1 st line of treatment. | C204.1 | R |
| c) | Define rheumatoid arthritis. Give its etiopathogenesis & clinical manifestation. | C204.1 | A |
| d) | Name the causative agent of HIV, Gonorrhoea and Syphilis. | C204.3 | U |
| e) | Discuss the pharmacotherapy for HIV. | C204.3 | R |
| f) | Discuss the life cycle of malaria parasite. | C204.3 | A |
| Q.3 Answer the following | | Marks 10 | |
| | | CO No. | LL |
| a) | Recall the causative agent for COVID 19. | C204.1 | R |
| b) | Recall: TB is _____ borne disease. a) air b) sand c) food d) insect | C204.3 | U |
| c) | Indicate the types of anti-microbial resistance. | C204.2 | U |
| d) | Recall: Infection & inflammation of urinary bladder is called _____. a) Cystitis b) Urethritis c) Arthritis d) Pyelonephritis | C204.1 | U |
| e) | Indicate any 2 condition which can be diagnosed using Chest X-ray. | C204.3 | U |
| f) | Indicate any 1 diagnostic test for Hepatitis & TB each. | C204.3 | U |
| g) | Indicate any 2 mechanism of development of anti-microbial resistance. | C204.2 | U |
| h) | Define osteoarthritis. | C204.1 | U |
| i) | Define hyperglycaemia and give the normal BSL. | C204.1 | R |
| j) | Indicate any 2 examples of NSAID. | C204.3 | U |

*****ALL THE BEST*****


Ms. K.R. More



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: F. Y. D. Pharmacy

Date: 31/10/2022

Time: 2.30 PM to 5.30 PM

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | |
|---|-----------------|
| Q. 1 Synopsis (Any Five) | Marks 10 |
| a) Define – i) Angina Pectoris ii) Hypertension | CO No. LL |
| b) State the Normal Value of Blood Pressure and BMI. | C210.1 R |
| c) Write a drug of choice for Hypertension and Myocardial Infarction. | C210.2 R |
| d) Recall the formula for calculation of dose based on weight. | C210.1 A |
| e) Tell a dose for Nitroglycerin and Atorvastatin. | C210.2 R |
| f) Indicate the non-pharmacological treatment for Epilepsy. | C210.1 R |
| | C210.2 U |
| Q. 2 Experiment | Marks 50 |
| A) Major Experiment: | Marks 30 |
| Aim: A: To prepare the SOAP notes for given case of Hypertension. | CO No. LL |
| B: To prepare the SOAP notes for given case of Hyperlipidemia. | C210.1 A |
| B) Minor Experiment: | Marks 20 |
| Aim: | CO No. LL |
| A: To counsel Patient using a role play on the clinical case scenario of Hypertension. | |
| B: To counsel Patient using a role play on the clinical case scenario of Epilepsy. | C210.2 A |
| C: To Calculate the dose of azithromycin for 2-year old child suffering from pneumonia. | |
| Q. 3 Viva Voce | Marks 10 |
| | CO No. LL |
| | C210.1, R,U,A |
| | C210.2 |
| Q. 4 Practical Record Maintenance | Marks 10 |
| | CO No. LL |
| | C210.1, A |
| | C210.2 |

*****ALL THE BEST*****

Q2. Experiment

a. Major Experiment:

Aim:

A: To prepare the SOAP notes for given case of Hypertension.

Case Study: Mrs PP, a 55-year-old female of Asian origin, working in IT company with-different shifts, is found to have consistently elevated blood pressure over several weeks, as she complains to have headache from several weeks and nose bleed for two times; her lowest reading was 155/98 mmHg. She is overweight and has diabetes and is being treated with metformin. Her renal function and urine analysis are both normal.

B: To prepare the SOAP notes for given case of Hyperlipidemia.

Case Study: Mrs. PP, 62-year-old divorced female, having height 64 inches, weight 68 kg, presents for her annual physical exam. She has a history of hypertension and high cholesterol. The patient takes 5mg PO of Lisinopril, denies chest pain, palpitations, or lower extremity edema. The patient works full time as a graduate nursing program professor, non-smoker, and occasional drinker. This patient participates in yoga and aerobic activities daily and follows a Pescatarian diet. She has not had a recommended colonoscopy, no mammograms, and non-compliant with the flu shot and recommended adult immunizations. The patient states she has no complaints at this time. Her examination shows BP 112/60, P 68, T 97.9 temporal, R 16, SpO2 99% on room air Integument: Pink, warm and dry to touch.

Cardiovascular: Heart regular rate and rhythm, S1 and S2, no S3 or S4, murmur or gallop, no carotid bruits; radial pulses palpable and pedal pulses 2+; no lower extremity edema; capillary refill < 3 seconds bilateral.

b. Minor Experiment:

Aim:

A: To counsel Patient using a role play on the clinical case scenario of Hypertension.

Case Study: M 58-year-old man presented to his general practitioner for a routine review. He had been feeling low from few weeks. His past medical history included hypertension. His regular medications were amlodipine 10 OD and atorvastatin 20 mg ON. He had no known drug allergies or intolerances. He was a shopkeeper in shoe shop and lived with his partner. He was a smoker with a 2-pack a month history and he drink approximately 10 units of alcohol per week.

B: To counsel Patient using a role play on the clinical case scenario of Epilepsy.

Case Study: 30-year-old man Mr. DK was brought to hospital with generalized tonic clonic seizures. The seizure had commenced 5 min earlier and he had already received treatment with intravenous lorazepam (4 mg) and was given 5 mg diazepam intravenously upon arrival to the emergency department. There was evidence of tongue biting and he had been incontinent of urine. The patient was accompanied by his partner who reported that he had a known history of epilepsy, for which he usually took levetiracetam 500 mg BD. He worked as a civil servant and lived with his partner. He did not smoke cigarettes, drank approximately 5-6 units of alcohol per week and did not use recreational drugs.

C: To Calculate the dose of azithromycin for 2-year old child suffering from pneumonia.

Case Study: Ms. RN, 2-year-old female child, of body weight 11 kg and height 85 cm, was diagnosed of pneumonia by the doctor. The daily dose of the Azithromycin injection prescribed was 10 mg/kg OD for first two days. The injection vial contained 5mg/mL of the prescribed medication. On subsequent 3 days she was prescribed Azithral suspension, the strength of the suspension was 250 mg/mL.

a. How many millilitres of medication shall be administered by parenteral route?

b. Calculate the dose, millilitres of Azithral suspension administered to the patient.

c. Note down the instructions for parents.

Amritkar
(Mrs. A.M. Amritkar)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S.Y. D. Pharmacy

Date: 02/11/2022

Time: 2:30 PM to 5:30 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | |
|---|------------------|
| Q1. Synopsis (Any Five) | Marks 10 |
| | CO No. LL |
| a) Define Hyperlipidemia. | C210.2 R |
| b) State the normal value of BMI & Heart Rate. | C210.2 R |
| c) Give examples of the drugs used in the treatment of Angina Pectoris & Epilepsy. | C210.2 R |
| d) State the dose of Propranolol and Nitroglycerine Tablets in Angina Pectoris. | C210.2 R |
| e) Write the non-pharmacological treatment for Hypertension. | C210.2 R |
| f) Write the formula for Young's Rule. | C210.2 R |
| Q2. Experiment | Marks 50 |
| a. Major Experiment: | Marks 30 |
| Aim: A: Prepare the SOAP note for given case of Epilepsy. | CO No. LL |
| B: Prepare the SOAP note for given case of Angina Pectoris. | C210.1 A |
| b. Minor Experiment: | Marks 20 |
| Aim: A: To calculate the dose of azithromycin for 2-year old child suffering from pneumonia. | CO No. LL |
| B: To counsel the patient using a role play on the clinical case scenario of Epilepsy. | C210.2 A |
| C: To counsel the patient using a role play on the clinical case scenario of Hypertension. | |
| Q3. Viva Voce | Marks 10 |
| | CO No. LL |
| | C210.1, C210.2 A |
| Q4. Practical Record Maintenance | Marks 10 |
| | CO No. LL |
| | C210.1, C210.2 A |

*****ALL THE BEST*****

Handwritten signature: R. D. Deore

Q2. Experiment

a. Major Experiment: Aim: A: Prepare the SOAP note for given case of Epilepsy.

Case Study: Ms. SU, 17 year old female, while studying in 12th std. class, reports brief episode of seizure and temporary loss of consciousness for about 1-2 min. Her classmates accompanied her while episode and they reported recovery in consciousness after the seizure activity with dizziness afterwards.

Ms. SU had no vomiting, involuntary movements, headache, fever, urinary incontinence and palpitations. Her family history revealed that her mother suffered from generalized tonic clonic seizures. Ms. SU don't have any history of head injury, neurological illness and drug abuse. The patients past medical history showed no any chronic diseases including diabetes mellitus, hypertension and cardiovascular problems. But she had suffered similar incident 6 months ago with partial loss of memory of memory of the incident.

Medical investigations revealed pulse rate of 82 BPM, chest x-ray normal, total blood count, sugar and ESR normal. The electroencephalogram (EEG) of the brain showed that the electrical waves remained normal with some electrode artifacts confirming the detection of absence seizures. The patients brain MRI scan revealed the presence of small focal flair hypertensive area in the right parasellar region.

b. Major Experiment: Aim: B: Prepare the SOAP note for given case of Angina Pectoris.

Case Study: Mr. WW is a 56-year-old man who visit to hospital complaining chest pain. Mr. WW has a history of well-controlled hypertension and diabetes. He has been having symptoms for the last 4 months. He feels' squeezing, substernal pressure while climbing stairs to the elevated train he rides to work. The pressure resolves after about 5 minutes of rest. He also occasionally feels the sensation during stressful periods at work. It is occasionally associated with mild nausea and jaw pain. Medications are metformin, aspirin, and Enalapril. Mr. WW is a middle-aged man with chronic, nonpleuritic chest pain and risk factors for coronary artery disease (CAD).

His symptoms are consistent with stable angina. The pivotal points in this case are the chronicity, exertional nature, and substernal location of the pain. Given the seriousness and prevalence of CAD, it must lead the differential diagnosis. Gastroesophageal reflux disease (GERD) and musculoskeletal disorders are common causes of chest pain that can mimic angina (exacerbated by activity, sensation of pressure) and thus should be considered.

Physical exam is entirely unremarkable except for mild, stable, peripheral neuropathy presumably related to diabetes. The patient's ECG is remarkable only for evidence of left ventricular hypertrophy with strain. A tentative diagnosis of stable angina from CAD is made. Laboratory data are notable for normal blood counts and chemistries. There is hypercholesterolemia (LDL, 136 mg/dL; HDL, 42 mg/L). Mr. W is referred for an exercise tolerance test. Because of his abnormal resting ECG, an exercise myocardial perfusion SPECT was performed. Although chest pain developed during the test, his results were normal without evidence of myocardial ischemia. The results of the patient's exercise test are surprising. Stable angina remains high in the differential despite the normal stress test but alternative diagnoses must be considered. The intermittent nature of the pain and the lack of constitutional symptoms both make a mediastinal lesion unlikely. The absence of a recent injury, change in activity or reproducible pain on physical exam moves musculoskeletal pain down on the differential.

b. Minor Experiment:

Aim: A: To Calculate the dose of azithromycin for 2-year old child suffering from pneumonia.

Case Study: Ms. RN, 2-year-old female child, of body weight 11 kg and height 85 cm, was diagnosed of pneumonia by the doctor. The daily dose of the Azithromycin injection prescribed was 10 mg/kg OD for first two days. The injection vial contained 5mg/mL of the prescribed medication. On subsequent 3 days she was prescribed Azithral suspension, the strength of the suspension was 250 mg/mL.

- How many milliliters of medication shall be administered by parenteral route?
- Calculate the dose, milliliters of Azithral suspension administered to the patient.
- Note down the instructions for parents.

Aim: B: To counsel Patient using a role play on the clinical case scenario of Epilepsy.

Case Study: 30-year-old man Mr. DK was brought to hospital with generalized tonic clonic seizures. The seizure had commenced 5 min earlier and he had already received treatment with intravenous lorazepam (4 mg) and was given 5 mg diazepam intravenously upon arrival to the emergency department. There was evidence of tongue biting and he had been incontinent of urine. The patient was accompanied by his partner who reported that he had a known history of epilepsy, for which he usually took levetiracetam 500 mg BD. He worked as a civil servant and lived with his partner. He did not smoke cigarettes, drank approximately 5-6 units of alcohol per week and did not use recreational drugs.

Aim: C: To counsel Patient using a role play on the clinical case scenario of Hypertension.

Case Study: M 58-year-old man presented to his general practitioner for a routine review. He had been feeling low from few weeks. His past medical history included hypertension. His regular medications were amlodipine 10 OD and atorvastatin 20 mg ON. He had no known drug allergies or intolerances. He was a shopkeeper in shoe shop and lived with his partner. He was a smoker with a 2-pack a month history and he drink approximately 10 units of alcohol per week.



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Human Anatomy & Physiology

Subject Code: 20054

Class: F. Y. D. Pharmacy

Date: 01.11.2022

Time: 2:30 PM- 5:30 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

- a) Define Hypertension.
- b) State the normal value of Blood Pressure & Heart Rate.
- c) Name the first line of treatment for Angina Pectoris & Hyperlipidaemia.
- d) Indicate the category of Isosorbide Nitrate & Enalapril.
- e) Indicate the category of Atorvastatin & Propranolol.
- f) Write the Non-Pharmacological Treatment for MI.

Marks 10

| CO No. | LL |
|--------|----|
| C210.1 | R |
| C210.1 | R |
| C210.1 | R |
| C210.1 | R |
| C210.1 | R |
| C210.1 | R |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

Aim: To write the SOAP note for given case study.

- A:** Prepare the SOAP note for given case of Hypertension.
- B:** Prepare the SOAP note for given case of Angina Pectoris.

CO No. LL

C210.1 A

B) Minor Experiment:

Marks 20

Aim: To calculate the dose as per given case study.

- A:** To counsel the patient using a role play on the clinical case scenario of Epilepsy.
- B:** To calculate the dose of azithromycin for 2-year old child suffering from pneumonia.
- C:** To counsel the patient using a role play on the clinical case scenario of Hypertension.

CO No. LL

C210.2 A

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|---------------|----|
| C210.1, R, U, | |
| C210.2 | A |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|---------------|----|
| C210.1, R, U, | |
| C210.2 | A |

Ms. K.R. More

Major Experiment:

A: Case: Mrs PP, a 55-year-old female of Asian origin, working in IT company with different shifts, is found to have consistently elevated blood pressure over several weeks, as she complains to have headache from several weeks and nose bleed for two times; her lowest reading was 155/98 mmHg. She is overweight and has diabetes and is being treated with metformin. Her renal function and urine analysis are both normal.

B: Case: Mr. WW is a 56-year-old man who visit to hospital complaining chest pain. Mr. WW has a history of well-controlled hypertension and diabetes. He has been having symptoms for the last 4 months. He feels squeezing, substernal pressure while climbing stairs to the elevated train he rides to work. The pressure resolves after about 5 minutes of rest. He also occasionally feels the sensation during stressful periods at work. It is occasionally associated with mild nausea and jaw pain. Medications are metformin, aspirin, and enalapril. Mr. WW is a middle-aged man with chronic, nonpleuritic chest pain and risk factors for coronary artery disease (CAD). His symptoms are consistent with stable angina. The pivotal points in this case are the chronicity, exertional nature, and substernal location of the pain. Given the seriousness and prevalence of CAD, it must lead the differential diagnosis. Gastroesophageal reflux disease (GERD) and musculoskeletal disorders are common causes of chest pain that can mimic angina (exacerbated by activity, sensation of pressure) and thus should be considered. Physical exam is entirely unremarkable except for mild, stable, peripheral neuropathy presumably related to diabetes. The patient's ECG is remarkable only for evidence of left ventricular hypertrophy with strain. A tentative diagnosis of stable angina from CAD is made. Laboratory data are notable for normal blood counts and chemistries. There is hypercholesterolemia (LDL, 136 mg/dL; HDL, 42 mg/dL). Mr. W is referred for an exercise tolerance test. Because of his abnormal resting ECG, an exercise myocardial perfusion SPECT was performed. Although chest pain developed during the test, his results were normal without evidence of myocardial ischemia. The results of the patient's exercise test are surprising. Stable angina remains high in the differential despite the normal stress test but alternative diagnoses must be considered. The intermittent nature of the pain and the lack of constitutional symptoms both make a mediastinal lesion unlikely. The absence of a recent injury, change in activity or reproducible pain on physical exam moves musculoskeletal pain down on the differential.

Minor Experiment:

A: Case: A 30-year-old man Mr. DK was brought to hospital with generalized tonic clonic seizures. The seizure had commenced 5 min earlier and he had already received treatment with intravenous lorazepam (4 mg) and was given 5 mg diazepam intravenously upon arrival to the emergency department. There was evidence of tongue biting and he had been incontinent of urine. The patient was accompanied by his partner who reported that he had a known history of epilepsy, for which he usually took levetiracetam 500 mg BD. He worked as a civil servant and lived with his partner. He did not smoke cigarettes, drank approximately 5-6 units of alcohol per week and did not use recreational drugs.

Examination

On examination, the patient was unresponsive. There were jerking movements of the upper and lower limbs, consistent with a generalized tonic-clonic seizure.

Question

After 25 min, the patient's seizure continued. Suggest an appropriate medication to treat this ongoing seizure. The patient is estimated to weigh 80 kg.

B: Case: Ms. RN, 2-year-old female child, of body weight 11 kg and height 85 cm, was diagnosed of pneumonia by the doctor. The daily dose of the azithromycin injection prescribed was 10 mg/kg OD for first two days. The injection vial contained 5 mg/mL of the prescribed medication. On subsequent 3 days she was prescribed Azithral suspension, the strength of the suspension was 250 mg/mL.

- How many millilitres of medication shall be administered by parenteral route?
- Calculate the dose, millilitres of Azithral suspension administered to the patient.
- Note down the instructions for parents.

C: Case: A 58-year-old man had been feeling low presented to his general practitioner for a routine review. He from few weeks. His past medical history included hypertension. His regular medications were amlodipine 10 mg OD and atorvastatin 20 mg ON. He had no known drug allergies or intolerances. He was a shopkeeper in shoe shop and lived with his partner. He was a smoker with a 2-pack a month history and he drink approximately 10 units of alcohol per week.

Examination: The patient appeared generally well. His heart rate was 70 bpm and his blood pressure was 160/88 mmHg. His heart sounds were dual with no murmurs. There was no peripheral oedema. Systems examination was otherwise unremarkable.

Results

Bloods: WCC 8.8, Hb 14.9, Plt 320, Na 140, K 4.0, Creat 67.

Which one of the options below would be the most appropriate management plan for this patient?

Add in doxazosin 4 mg OD

Add in indapamide (modified release) 1.5 mg PO OD

Add in ramipril 2.5 mg PO OD

Continue on his current medications.



Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 16/02/2023

Time: 2:30 PM- 5:30 PM

Batch-A

Max. Marks: 8

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

Q. 1 Synopsis (Any Five)

- What is diabetes mellitus & give normal BSL value.
- Write Young's formula.
- Give the category & dose of Salbutamol.
- Write the full form & disease treated by SABA.
- Write the full form of COPD. Give 2 drugs used in the treatment of COPD.
- Give the non-pharmacological treatment of Asthma.

| Marks 10 | |
|----------|----|
| CO No. | LL |
| C210.2 | R |
| C210.2 | R |
| C210.2 | A |
| C210.2 | R |
| C210.2 | U |
| C210.2 | U |

Q. 2 Experiment

| Marks 50 | |
|----------|----|
| Marks 30 | |
| CO No. | LL |

A) Major Experiment:

Aim: To write the SOAP note for given case study.

A: Case: During routine medical check-up, Mr DK, 50 years old, slightly overweight, male, administrative officer, had complained of shortness of breath while walking-and office stress. The clinical investigations recorded showed his BP 130/85 mm Hg, AIC 7.8 %, his fasting and post-meal blood glucose as 130 mg/dL and 190 mg/dL respectively. What advice and treatment plan will you be providing to Mr. DK? Explain with reason.

B: Case: Mr. RN, 45-year-old male, is working in Maharashtra state power generation company at Chandrapur. He is continuously exposed to carbon particles while in job. He has a history of smoking one and half pack per day for 15 years. He is now weekend smoker during parties. He complaints shortness of breath, productive cough for 2-3 months. Mr. RN has trouble walking upstairs. He and his family have no known medical complications. His B. P., blood reports seem normal. Office spirometry demonstrates an FEV₁ /FVC 0.68 and FEV₁ of 81% predicted. How will you diagnose, classify his condition and treat Mr. RN?

C: Case: Ms. DP, Female, 13 years of age, complained about intermittent cough for 1 weeks, chest tightness for 5 days, and wheezing for a week but not daily. She also complained of difficulty in breathing. She has opted for medication such as cetirizine and bromhexine, but there is no improvement in her symptoms. Ms. DP have mixed dietary pattern and do not report any food allergies. All members in her family have sound health and do not have any health issues. Her vital sign temperature 98.5°F, B.P. 120/90 mmHg, Pulse rate 110 bpm, respiration 32 bpm and SpO₂ 95 %. How will you diagnose and classify her condition? Suggest possible treatment.

C210.1 A

B) Minor Experiment:

Aim: To calculate the dose as per given case study.

Case: Ms. LV, 4-year old male child, was suffering from running and itchy nose, bouts of sneezing, partial nasal blockage, redness and watering from the eyes, but no fever, body-ache or malaise. His parents gave history of similar episodes occurring off and on during the last spring season. A diagnosis of seasonal allergic rhinitis was made and the doctor prescribed an oral anti-allergic medication — Levocetirizine.

- Calculate the dose for the given patient with suitable formula, if the adult dose is 5-10 mg and BSA is 0.7m².
- Write dosage form, duration and time of administration.
- Fill out instructions for the parents.
- Apart from Levocetirizine that give symptomatic relief, will you suggest any prophylactic drug?

| Marks 20 | |
|----------|----|
| CO No. | LL |

C210.2 A

Q. 3 Viva Voce

| Marks 10 | |
|----------|-------|
| CO No. | LL |
| C210.1, | R,U,A |
| C210.2 | |

Q. 4 Practical Record Maintenance

| Marks 10 | |
|----------|----|
| CO No. | LL |
| C210.1, | A |
| C210.2 | |

*****ALL THE BEST*****

Amitkar
(Mrs. A.M. Amitkar)



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 15/02/2023

Time: 02:30 PM- 05:30 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

- a) Write Clark's Formula.
- b) Name any 4 cardiovascular diseases.
- c) What is diabetes mellitus & give normal BSL value.
- d) Define COPD. Give 2 drugs used in the treatment of COPD.
- e) Write the non-pharmacological treatment of depression.
- f) Name any 4 mental disorders.

Marks 10

| CO No. | LL |
|--------|----|
| C210.2 | R |
| C210.1 | R |
| C210.2 | R |
| C210.1 | R |
| C210.2 | R |
| C210.1 | R |

Q. 2 Experiment

A) Major Experiment:

Aim: To write the SOAP note for given case study.

A: Case: During routine medical check-up, Mr DK, 50 years old, slightly overweight, male, administrative officer, had complained of shortness of breath while walking-and office stress. The clinical investigations recorded showed his BP 130/85 mm Hg, AIC 7.8 %, his fasting and post-meal blood glucose as 130 mg/dL and 190 mg/dL respectively. What advice and treatment plan will you be providing to Mr. DK? Explain with reason.

B: Case: Ms. DP, Female, 13 years of age, complained about intermittent cough for 1 weeks, chest tightness for 5 days, and wheezing for a week but not daily. She also complained of difficulty in breathing. She has opted for medication such as cetirizine and bromhexine, but there is no improvement in her symptoms. Ms. DP have mixed dietary pattern and do not report any food allergies. All members in her family have sound health and do not have any health issues. Her vital sign temperature 98.5°F, B.P. 120/90 mmHg, Pulse rate 110 bpm, respiration 32 bpm and SpO₂ 95 %. How will you diagnose and classify her condition? Suggest possible treatment.

C: Case: Mr. RN, 45-year-old male, is working in Maharashtra state power generation company at Chandrapur. He is continuously exposed to carbon particles while in job. He has a history of smoking one and half pack per day for 15 years. He is now weekend smoker during parties. He complaints shortness of breath, productive cough for 2-3 months. Mr. RN has trouble walking upstairs. He and his family have no known medical complications. His B. P., blood reports seem normal. Office spirometry demonstrates an FEV₁ /FVC 0.68 and FEV₁ of 8 1% predicted. How will you diagnose, classify his condition and treat Mr. RN?

Marks 50

Marks 30

CO No. LL

C210.1 A

B) Minor Experiment:

Aim: To calculate the dose as per given case study.

Case: Ms. LV, 4-year old male child, was suffering from running and itchy nose, bouts of sneezing, partial nasal blockage, redness and watering from the eyes, but no fever, body-ache or malaise. His parents gave history of similar episodes occurring off and on during the last spring season. A diagnosis of seasonal allergic rhinitis was made and the doctor prescribed an oral anti-allergic medication — Levocetirizine.

- a. Calculate the dose for the given patient with suitable formula, if the adult dose is 5-10 mg and BSA is 0.7m².
- b. Write dosage form, duration and time of administration.
- c. Fill out instructions for the parents.
- d. Apart from Levocetirizine that give symptomatic relief, will you suggest any prophylactic drug?

Marks 20

CO No. LL

C210.2 A

Q. 3 Viva Voce

| CO No. | LL |
|---------|----|
| C210.1, | U |
| C210.2 | U |

Marks 10

Q. 4 Practical Record Maintenance

| CO No. | LL |
|---------|----|
| C210.1, | U |
| C210.2 | U |

*****ALL THE BEST*****

Handwritten signature and name: Mr. R. D. Deok



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Second Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 14.02.2023

Time: 2:30 PM- 5:30 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

- a) Write Clark's Formula.
- b) Name any 4 cardiovascular diseases.
- c) What is diabetes mellitus & give normal BSL value.
- d) Define COPD. Give 2 drugs used in the treatment of COPD.
- e) Write the non-pharmacological treatment of depression.
- f) Name any 4 mental disorders.

| CO No. | LL |
|--------|----|
| C210.2 | R |
| C210.1 | R |
| C210.2 | R |
| C210.1 | R |
| C210.2 | R |
| C210.1 | R |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

Aim: To write the SOAP note for given case study.

A: Case: During routine medical check-up, Mr DK, 50 years old, slightly overweight, male, administrative officer, had complained of shortness of breath while walking-and office stress. The clinical investigations recorded showed his BP 130/85 mm Hg, AIC 7.8 %, his fasting and post-meal blood glucose as 130 mg/dL and 190 mg/dL respectively. What advice and treatment plan will you be providing to Mr. DK? Explain with reason.

B: Case: Ms. DP, Female, 13 years of age, complained about intermittent cough for 1 weeks, chest tightness for 5 days, and wheezing for a week but not daily. She also complained of difficulty in breathing. She has opted for medication such as cetirizine and bromhexine, but there is no improvement in her symptoms. Ms. DP have mixed dietary pattern and do not report any food allergies. All members in her family have sound health and do not have any health issues. Her vital sign temperature 98.5°F, B.P. 120/90 mmHg, Pulse rate 110 bpm, respiration 32 bpm and SpO₂ 95 %. How will you diagnose and classify her condition? Suggest possible treatment.

C: Case: Mr. RN, 45-year-old male, is working in Maharashtra state power generation company at Chandrapur. He is continuously exposed to carbon particles while in job. He has a history of smoking one and half pack per day for 15 years. He is now weekend smoker during parties. He complains shortness of breath, productive cough for 2-3 months. Mr. RN has trouble walking upstairs. He and his family have no known medical complications. His B. P., blood reports seem normal. Office spirometry demonstrates an FEV₁/FVC 0.68 and FEV₁ of 81% predicted. How will you diagnose, classify his condition and treat Mr. RN?

C210.1 A

B) Minor Experiment:

Marks 20

Aim: To calculate the dose as per given case study.

Case: 0

CO No. LL

C210.2 A

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|---------|---------|
| C210.1, | R, U, A |
| C210.2 | |

Marks 10

Q. 4 Practical Record Maintenance

| CO No. | LL |
|---------|---------|
| C210.1, | R, U, A |
| C210.2 | |

***** ALL THE BEST*****

Ms. K.R. More



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 20/04/2023

Time: 10:00 AM- 1:00 PM

Batch-A

Max. Marks: 80

Instructions:
1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

Q. 1 Synopsis (Any Five)

- a) Define Stroke & Scabies.
- b) Give types of Anemia.
- c) What is AIDS? Name any two drugs used for treatment of AIDS.
- d) Write Cockcroft-Gault equation for creatinine clearance.
- e) What are MDR TB and XRD TB?
- f) Give the non-pharmacological treatment of Tuberculosis.

| | |
|-----------------|----|
| Marks 10 | |
| CO No. | LL |
| C210.2 | R |
| C210.2 | R |
| C210.1 | A |
| C210.2 | U |
| C210.1 | U |
| C210.1 | U |

Q. 2 Experiment

A) Major Experiment:

Aim: To write the SOAP note for given case study.

A: Case: Mr. K.D is a 27-year-old man who presents with new complaints of fevers, night sweats, weight loss, and white patches in his mouth. He states that these symptoms have been present for the past 4 to 6 weeks. Mr. K.D admits to intravenous drug use in the past; however, he states that he has been "clean" for 3 years. Mr. K.D is diagnosed with thrush caused by *Candida albicans*. HIV infection is suspected and consent for an HIV test is obtained. Mr. K. D's HIV-1/2 antigen/antibody combination immunoassay is reactive, and antibody differentiation immunoassay detects HIV-1 antibodies. Mr. K. D's T-cell count, and viral

Load measurement return at 225 cells/ HL and 145,000 copies/mL (by RT-PCR assay), respectively.

B: Case: Mr. M.J is a 33-year-old woman seen in the clinic. Her chief complaints include weakness, dizziness, and epigastric pain. She has a 6-year history of peptic ulcer disease, a 10-year history of heavy menstrual bleeding and 15-year history of chronic headaches. She has two children who are 1 and 4 years of age. M.J. is currently taking minocycline 100 mg twice daily (BID) for acne, ibuprofen 400 mg as needed for headaches, and esomeprazole 40 mg daily. Her review of systems is positive for decreased exercise tolerance. Physical examination reveals a pale, lethargic, white woman appearing older than her stated age. Her vital signs are within normal limits; her heart rate is regular at 100 beats/minute. Her examination is notable for pale nail beds and splenomegaly. Significant laboratory results include - Hgb, 8 g/dL; Hct, 26%; Platelet count, 500,000/ μ L; Reticulocyte count, 0.2%; MCV, 75 femtoliters; MCH, 23 pg/cell; MCHC, 300 g/L; Serum iron, 40 mcg/dL; Serum ferritin, 9 ng/mL.

| | |
|-----------------|----|
| Marks 50 | |
| Marks 30 | |
| CO No. | LL |

C: Case: Mr. Y.K is a 39-year-old man who presents with a 4-week history of productive cough. The cough was initially non-productive but became productive of yellow sputum after 2 weeks. The patient has been self-medicating with over-the-counter antitussives without relief and he experienced haemoptysis this morning. He complains of subjective fevers, chills, night sweats, dyspnoea on exertion, fatigue, and an unintentional 15-lb weight loss during the last 2 months. He has migrated to Mumbai from Bihar when he was 12 years old, but he has not travelled outside the Mumbai for more than a decade. He currently works as a labourer on new home construction projects, and several of his co-workers, who moved to the Mumbai from Bihar within the past year, have similar respiratory symptoms. The patient has a 20-pack-year smoking history and drinks alcohol on weekends but denies illicit drug use. On physical examination, 2 A. is a thin-appearing man in mild respiratory distress. His heart rate is 94 beats/minute, his respiratory rate is 24 breaths/minute, and his temperature is 38.9°C. Bronchial breath sounds are noted in the right upper-lobe on chest auscultation, and chest radiography shows extensive patchy infiltrates in the right upper lobe.

| | |
|--------|---|
| C210.1 | A |
|--------|---|

B) Minor Experiment:

Aim: To calculate the dose as per given case study.

Case: The usual adult dose of levofloxacin is a 500 mg initial dose followed by subsequent doses of 250 mg every 24 hours for 10 days. How many 250 mg levofloxacin tablets should be dispensed to a 75-year-old, 160-lb female patient with a serum creatinine of 1.32 mg/dL? (Use the Cockcroft-Gault equation to determine creatinine clearance) For patients with a CrCl of less than 19 mL/min, doses following the initial dose are administered every 48 hours.

Answer the following questions:

- a. Calculation of creatinine clearance(CrCl)
- b. Dose of drug following the initial dose are administered every ____ hours.
- c. Number of 250 mg levofloxacin tablets required for 10 days = ____ tablets
- d. Instruction for the patients.

| | |
|-----------------|----|
| Marks 20 | |
| CO No. | LL |
| C210.2 | A |

Q. 3 Viva Voce

| | |
|-----------------|-------|
| Marks 10 | |
| CO No. | LL |
| C210.1, | R,U,A |
| C210.2 | |

Q. 4 Practical Record Maintenance

| | |
|-----------------|----|
| Marks 10 | |
| CO No. | LL |
| C210.1, | A |
| C210.2 | |

***** ALL THE BEST*****

Amnikar
(Mrs. A.M. Amnikar)



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 19/04/2023

Time: 10:00 AM- 1:00 PM

Batch-B

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

- a) State the full form of AIDS and HIV.
- b) Define anemia and state normal haemoglobin level.
- c) State the causative factor and symptoms of tuberculosis.
- d) Write any four drugs used in the treatment of AIDS.
- e) Give the non-pharmacological treatment of tuberculosis.
- f) Give the non-pharmacological treatment of scabies.

Marks 10

| CO No. | LL |
|--------|-----|
| C210.1 | R |
| C210.2 | R |
| C210.2 | R,U |
| C210.1 | U,A |
| C210.2 | U |
| C210.2 | U |

Q. 2 Experiment

A) Major Experiment:

Aim: To write the SOAP note for given case study.

A: Case: Mr. Y.K is a 39-year-old man who presents with a 4-week history of productive cough. The cough was initially non-productive but became productive of yellow sputum after 2 weeks. The patient has been self-medicating with over-the-counter antitussives without relief and he experienced haemoptysis this morning. He complains of subjective fevers, chills, night sweats, dyspnoea on exertion, fatigue, and an unintentional 15-lb weight loss during the last 2 months. He has migrated to Mumbai from Bihar when he was 12 years old, but he has not travelled outside the Mumbai for more than a decade. He currently works as a labourer on new home construction projects, and several of his co-workers, who moved to the Mumbai from Bihar within the past year, have similar respiratory symptoms. The patient has a 20-pack-year smoking history and drinks alcohol on weekends but denies illicit drug use. On physical examination, 2 A. is a thin-appearing man in mild respiratory distress. His heart rate is 94 beats/minute, his respiratory rate is 24 breaths/minute, and his temperature is 38.9°C. Bronchial breath sounds are noted in the right upper-lobe on chest auscultation, and chest radiography shows extensive patchy infiltrates in the right upper lobe.

B: Case: Mr. K.D is a 27-year-old man who presents with new complaints of fevers, night sweats, weight loss, and white patches in his mouth. He states that these symptoms have been present for the past 4 to 6 weeks. Mr. K.D admits to intravenous drug use in the past; however, he states that he has been "clean" for 3 years. Mr. K.D is diagnosed with thrush caused by *Candida albicans*. HIV infection is suspected and consent for an HIV test is obtained. Mr. K. D's HIV-1/2 antigen/antibody combination immunoassay is reactive, and antibody differentiation immunoassay detects HIV-1 antibodies. Mr. K. D's T-cell count, and viral Load measurement return at 225 cells/HL and 145,000 copies/mL (by RT-PCR assay), respectively.

C: Case: Mr. M.J is a 33-year-old woman seen in the clinic. Her chief complaints include weakness, dizziness, and epigastric pain. She has a 6-year history of peptic ulcer disease, a 10-year history of heavy menstrual bleeding and 15-year history of chronic headaches. She has two children who are 1 and 4 years of age. M.J. is currently taking minocycline 100 mg twice daily (BID) for acne, ibuprofen 400 mg as needed for headaches, and esomeprazole 40 mg daily. Her review of systems is positive for decreased exercise tolerance. Physical examination reveals a pale, lethargic, white woman appearing older than her stated age. Her vital signs are within normal limits; her heart rate is regular at 100 beats/minute. Her examination is notable for pale nail beds and splenomegaly. Significant laboratory results include - Hgb, 8 g/dL; Hct, 26%; Platelet count, 500,000/ μ L; Reticulocyte count, 0.2%; MCV, 75 femtoliters; MCH, 23 pg/cell; MCHC, 300 g/L; Serum iron, 40 mcg/dL; Serum ferritin, 9 ng/mL.

Marks 50

Marks 30

CO No. LL

C210.1 A

B) Minor Experiment:

Aim: To calculate the dose as per given case study.

Case: Ms. ABC, 70-year-old patient living with adult son in his house. He does not have medical complication and no known drug allergies. He is non-alcoholic and non-smoker. He has complaints of panic attacks for last 2 days. Doctor has prescribed Alprazolam for 3 days.

Answer the following questions:

- a. How will you fix dosing for this patient?
- b. Which dosage form is suitable for this patient? Mention with reason.
- c. Describe instructions and precautions conveyed to the patient.

Marks 20

CO No. LL

C210.2 A

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|---------|-------|
| C210.1, | R,U,A |
| C210.2 | |

Marks 10

Q. 4 Practical Record Maintenance

| CO No. | LL |
|---------|----|
| C210.1, | A |
| C210.2 | |

***** ALL THE BEST *****



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Third Sessional Practical Examination A.Y. 2022-23

Subject: Pharmacotherapeutics

Subject Code: 20059

Class: S. Y. D. Pharmacy

Date: 18.04.2023

Time: 10 AM - 1 PM

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | | |
|-------------|--|-----------------|-----------------|
| | | Marks 10 | |
| Q. 1 | Synopsis (Any Five) | | |
| a) | Define Stroke. Give its types. | C210.1 | R |
| b) | Name any 2 categories of medicines used in treatment of scabies with examples. | C210.1 | R |
| c) | Name the causative agent for TB & Scabies. | C210.1 | R |
| d) | Define Osteoarthritis and Rheumatoid arthritis. | C210.1 | R |
| e) | Write the non-pharmacological treatment of Anemia. | C210.1 | R |
| f) | Name any 4 infectious diseases. | C210.1 | R |
| Q. 2 | Experiment | | |
| A) | Major Experiment: | | |
| | | | Marks 50 |
| | | | Marks 30 |
| | | CO No. | LL |

Aim: To write the SOAP note for given case study.

A: Case: Mr. AS a 26-year-old nurse working at a nursing home, presents to her primary care physician (PCP) with a pruritic rash with excoriations in the interdigital webs of her hands and wrists. Several patients and nurses in the same nursing home have similar symptoms as well as her 5-year-old son. Burrows were present in her finger webs with a definitive diagnosis made from a skin scraping test. Microscopic examination revealed eggs of *S. scabiei* and scybala.

B: Case: Mr. MP, a 65-year-old man (100 kg, 5 feet 9 inches) was well, around 9:15 am. Around 10:05 am, his daughter heard a bump and went to his room to find her father lying down in the room. Mr. MP has a slurred speech and a right facial droop. At this point ambulance was called and he was shifted to hospital at 10.30 am. He regained consciousness by the time he arrived in hospital. Both right extremities are flaccid. He is unable to speak but is capable of understanding instructions. Gross ophthalmologic examination indicates right-sided neglect. His blood pressure is 165/95 mm Hg; other vital signs are normal. The laboratory studies are all within normal limits.

C: Case: Mr. SR a -year-old man who presents with new complaints of fevers, night sweats, weight, and white patches in his mouth. He states that these symptoms have been present for the past 4 to 6 weeks. Mr. T.K. admits to intravenous drug use in the past; however, he states that he has been "clean" for 3 years. Mr. T.K. is diagnosed with thrush caused by *Candida albicans*. HIV infection is suspected and consent for an HIV test is obtained. Mr. T.K.'s HIV-1/2 antigen/antibody combination immunoassay is reactive, and the antibody differentiation immunoassay detects HIV-1 antibodies. Mr. T.K.'s T-cell count, and viral load measurement return at 225 cells/ μ L and 145,000 copies/mL (by RT-PCR assay), respectively.

C210.1 A

B) Minor Experiment:

Marks 20
CO No. LL

Aim: To calculate the dose as per given case study.

Case: The usual adult dose of levofloxacin is a 500 mg initial dose followed by subsequent doses of 250 mg every 24 hours for 10 days. How many 250 mg levofloxacin tablets should be dispensed to a 75-year-old, 160-lb female patient with a serum creatinine of 1.32 mg/dL? (Use the Cockcroft-Gault equation to determine creatinine clearance.) For patients with a CrCl of less than 19 mL/min, doses following the initial dose are administered every 48 hours. 13. Calculation of the dose a. Calculation of Creatinine Clearance (CrCl) 152 The cockroft equation for determination of viestinime clearance is $Cr\ Cl = (140 - \text{patient age in you}) \times \text{body iet in by vde } 72 \times \text{serum creatinine in mg/dL}$. Answer the following questions:

C210.2 A

- a) Calculation of creatinine clearance.
- b) Dose of drug following the initial dose are administered every _____ hours.
- c) No. of 50 mg levofloxacin tablets required for 10 days= _____ days.
- d) Instructions for patient.

Q. 3 Viva Voce

Marks 10
CO No. LL
C210.2 R, U, A

Q. 4 Practical Record Maintenance

Marks 10
CO No. LL
C210.1, R, U, A
C210.2

*****ALL THE BEST*****

Ms. K. R. More



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20225

Class: S.Y. D. Pharmacy

Date: 11/11/2022

Time: 10.30 AM -11.30 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q.1 | Answer any THREE of the following | (5 Marks Each) | Marks 15 | CO No. | LL |
|-----|--|----------------|----------|--------|-----|
| a) | State the objective and techniques used for Inventory Control. Explain in detail EOQ method. | | | C205.2 | R,U |
| b) | Describe about PTC with its composition, objectives and functions. | | | C205.1 | U |
| c) | Explain in detail procedure for procurement of materials in the hospital. | | | C205.2 | U |
| d) | Define Hospital Pharmacy and state its objectives and location. | | | C205.1 | R |
| Q.2 | Answer any FIVE of the following | (3 Marks Each) | Marks 15 | CO No. | LL |
| a) | Define Hospital and give its organizational structure. | | | C205.1 | R |
| b) | Define Hospital Formulary and give its contents. | | | C205.1 | R |
| c) | Explain the following: 1. Ice Lined Refrigerator (ILR) 2. Walk in Freezer (WIF) | | | C205.2 | U |
| d) | Discuss the role of Pharmacists in preventing Antimicrobial Resistance. | | | C205.1 | U |
| e) | Explain in detail: Handling of Expiry Drugs. | | | C205.2 | U |
| f) | List the different types of services provided by the hospital and explain any two. | | | C205.1 | R,U |
| Q.3 | Answer the following | | Marks 10 | CO No. | LL |
| a) | State the full form of ASHP. | | | C205.1 | R |
| b) | State FIP Mission Statement. | | | C205.1 | R |
| c) | Cite any two examples of High Risk drugs. | | | C205.2 | U |
| d) | Cite any two examples of Schedule H1 drugs. | | | C205.2 | U |
| e) | What is FIFO? | | | C205.2 | R |
| f) | State the full form of NDPS. | | | C205.2 | R |
| g) | Cite any two programme offered by NABH. | | | C205.1 | U |
| h) | Cite any two examples of Reserved antibiotics. | | | C205.2 | U |
| i) | Define Reorder quantity. | | | C205.2 | R |
| j) | Define Infection. | | | C205.1 | R |

***** ALL THE BEST*****

Ms. R. G. Deore



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Theory Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20225

Class: S.Y. D. Pharmacy

Date: 24/02/2023

Time: 10.30 AM -12.00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|---|--|----------|----|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Explain in detail charge floor stock and drug basket method of drug dispensing. | C205.2 | U |
| b) | Why compounding is needed in hospital? Explain total parenteral nutrition. | C205.3 | U |
| c) | Write a short note on unit dose dispensing system. | C205.2 | U |
| d) | Explain the role of pharmacist in patient counselling. | C205.3 | A |
| Q.2 Answer any FIVE of the following (3 Marks Each) | | Marks 15 | |
| | | CO No. | LL |
| a) | State the meaning of: guttae, bis in die, nocte. | C205.3 | R |
| b) | Explain in detail receipt and issue system for outpatient dispensing. | C205.2 | U |
| c) | Define radiopharmaceutical, enlist its ideal characteristics and types with examples. | C205.2 | R |
| d) | Explain the role of computer in purchase & inventory control in hospital. | C205.2 | U |
| e) | Define clinical pharmacy, list the daily activities of clinical pharmacist in and explain any two. | C205.3 | A |
| f) | State the full forms of: MRI, SGPT, ECG. | C205.3 | R |
| Q.3 Answer the following | | Marks 10 | |
| | | CO No. | LL |
| a) | Choose the correct option: The patients who are 'able to walk' and receive primarily health care and walk off from the hospital are called as: 1. Referred outpatient 2. Ambulatory outpatient 3. Emergency outpatient 4. Outpatient | C205.2 | R |
| b) | Choose the correct option: Envelop method is known as: 1. Charge floor stock 2. Non-charge floor stock 3. Bed side pharmacy 4. Unit dose dispensing | C205.2 | R |
| c) | State the full form of CUDD. | C205.2 | R |
| d) | Recall: The FDA describes ----- as the mixing, combining, or modification of drug components to produce treatments according to each patient's requirements. | C205.2 | R |
| e) | Name any two softwares used in hospital pharmacy. | C205.2 | R |
| f) | Define lithotripsy. | C205.3 | R |
| g) | State the full form of HMR. | C205.3 | R |
| h) | State the full form of ICU. | C205.3 | R |
| i) | Choose: Faithfull adherence to physician instructions means: 1. Patient non-compliance 2. Patient compliance 3. All of the above 4. None of the above | C205.3 | R |
| j) | Choose the correct option: Satellite pharmacy is known as: 1. Charge floor stock 2. Non-charge floor stock 3. Bed side pharmacy 4. De-centralised unit dose dispensing | C205.2 | R |

*****ALL THE BEST*****

M. R. T. Deore



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Third Sessional Theory Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy Subject Code: 20225
Class: S.Y. D. Pharmacy Date: 28/04/2023
Time: 10.30 AM -12.00 PM Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|-----|---|----------|-------|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Define medication error. Write the strategies to minimize it. | C205.4 | R,U,A |
| b) | List tests used to check the functioning of liver with its normal values and significance. | C205.4 | R,U,A |
| c) | Define drug interaction, give its types and explain drug-food interaction with example. | C205.4 | U,A |
| d) | What is drug information bulletin and write sources of drug information. | C205.3 | A |
| | | Marks 15 | |
| Q.2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | What is BAL? Mention its use. | C205.3 | U |
| b) | Write normal values and significance: 1. Haemoglobin 2. Blood pressure | C205.4 | R,U |
| c) | Write a short note on pulmonary function test. | C205.4 | R,U |
| d) | Define Pharmacovigilance, give its aim and scope. | C205.3 | U |
| e) | Write a short note on LASA drugs and Tallman lettering as ISMP. | C205.4 | A |
| f) | Write a note on Drug Information Bulletin. | C205.3 | R,U |
| | | Marks 10 | |
| Q.3 | Answer the following | CO No. | LL |
| a) | Free T4, Total serum T4, Serum T3 resin uptake, Free T4 index, Total serum T3 tests are used to check: 1.Liver function 2. Renal function 3. Thyroid function 4. Pulmonary function. | C205.4 | R |
| b) | State the composition of universal antidote. | C205.3 | R |
| c) | State the full form of PIC. | C205.3 | R |
| d) | Give any two examples of corrosive poisons. | C205.3 | R |
| e) | Define antidote. | C205.3 | R |
| f) | Define ADR. | C205.4 | R |
| g) | Choose the correct for Prescription error 1.Illegible handwriting 2.Inaccurate medication history 3.Drug name confusion 4. All of the above | C205.4 | R |
| h) | AcetaZOLAMIDE and acetaHEXAMIDE is the example of Tallman lettering. True/False. | C205.4 | R |
| i) | What is triple wash? | C205.3 | R |
| j) | Name the disease in which blood sugar level get increased. | C205.4 | R |

*****ALL THE BEST*****

Dr. R. T. Deore



Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20060

Class: S.Y. D. Pharmacy

Date:04/11/2022

Time: 2:30pm-5:30pm

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | | Marks 10 | |
|---|--|--------------------|------|
| Q. 1 | Synopsis (Any Five) | CO No. | LL |
| a) | Name the 2 diseases and lab tests by which these diseases are directly identified. | C211.2 | R |
| b) | How will you classify DI request? | C211.1 | U, R |
| c) | Describe Tertiary Resource of Information. | C211.1 | R, A |
| d) | Define-(i) Sensitivity and (ii) Specificity | C211.2 | R, A |
| e) | Give Size and Measurement (cm) in tabular format. | C211.4 | R |
| f) | Enlist types of knee caps and it's advantages. | C211.4 | U, A |
| Q. 2 Experiment | | Marks 50 | |
| A) Major Experiment: | | Marks 30 | |
| Aim: | | | |
| 1) | Optimize the drug therapy for given case by Interpretation of laboratory reports. | C211.1 | A |
| 2) | Document the given Drug Information Query by Systematic Approach. | C211.2 | |
| B) Minor Experiment: | | Marks 10/20 | |
| Aim: 1) Demonstration of knee cap. | | | |
| 2) Demonstration of Abdominal belt. | | C211.4 | A |
| C) Spotting: (Any 5) | | Marks 10 | |
| a) | Cervical Collar | C211.4 | R, A |
| b) | Knee cap | C211.4 | R, A |
| c) | Abdominal belt | C211.4 | R, A |
| d) | Lumbo-Sacral belt | C211.4 | R, A |
| e) | Resource of Drug Information | C211.4 | R, A |
| f) | Chest Rib Belt | C211.4 | R, A |
| Q. 3 Viva Voce | | Marks 10 | |
| | | CO No. | LL |
| | | C211.1 | U, R |
| Q. 4 Practical Record Maintenance | | Marks 10 | |
| | | C211.1-C211.4 | R, A |

*****ALL THE BEST*****


Dr. C. D. Sonawane


First Sessional Practical Examination A.Y. 2022-23
Subject: Hospital and Clinical Pharmacy
Subject Code: 20060
Class: S.Y. D. Pharmacy
Date: 03/11/2022
Time: 2:30pm-5:30pm
Batch-B
Max. Marks: 80

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | |
|---|--------------------------|
| Q. 1 Synopsis (Any Five) | Marks 10 |
| a) Explain importance of reporting Adverse Drug Reaction. | CO No. LL C211.3 R |
| b) Enlist 5 steps in Interpretation of Laboratory reports for Optimization of the Drug Therapy. | C211.2 U, R |
| c) Describe Secondary Resource of Information. | C211.1 R, A |
| d) Define-(i) Drug Information Centre and (ii) Precision | C211.1 R, A |
| e) Give causes of Knee pain. | C211.4 R |
| f) Write note on Lumbo Sacral(LS) Belt. | C211.4 U, A |
| Q. 2 Experiment | Marks 50 |
| A) Major Experiment: | Marks 30 |
| Aim: | CO No. LL |
| 1) Optimize the drug therapy for given case by Interpretation of laboratory reports. | C211.1 A |
| 2) Document the given Drug Information Query by Systematic Approach. | C211.2 |
| B) Minor Experiment: | Marks 10/20 |
| Aim: 1) Demonstration of knee cap. | C211.4 A |
| 2) Demonstration of Abdominal belt. | |
| C) Spotting: (Any 5) | Marks 10 |
| a) Knee cap | CO No. LL C211.4 R, A |
| b) Abdominal belt | C211.4 R, A |
| c) Chest Rib Belt | C211.4 R, A |
| d) Resource of Drug Information | C211.1 R, A |
| e) Cervical Collar | C211.4 R, A |
| f) Lumbo-Sacral belt | C211.4 R, A |
| Q. 3 Viva Voce | Marks 10 |
| | CO No. LL |
| | C211.1 U, R |
| Q. 4 Practical Record Maintenance | Marks 10 |
| | C211.1-C211.4 R, A |

*****ALL THE BEST*****


Mr. C.D. Sonawane



Institute of Pharmacy, Dhule (Diploma)

First Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20060

Class: S.Y. D. Pharmacy

Date: 31/10/2022

Time: 2:30pm-5:30pm


Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

| | |
|--|--------------------------|
| Q. 1 Synopsis (Any Five) | Marks 10 |
| a) Explain Orthopedic Belts. | CO No. LL C211.4 R |
| b) Enlist 5 steps in Systematic Approach of responding DI Queries. | C211.1 U, R |
| c) Describe Primary Resource of Information. | C211.1 R, A |
| d) Define-(i) Reference Range and (ii) Accuracy | C211.2 R, A |
| e) Classify Adverse Drug Reactions. | C211.3 R |
| f) Give instructions for use of Cervical Collar. | C211.4 U, A |
| Q. 2 Experiment | Marks 50 |
| A) Major Experiment: | Marks 30 |
| Aim: | CO No. LL |
| 1) Optimize the drug therapy for given case by Interpretation of laboratory reports. | C211.1 |
| 2) Document the given Drug Information Query by Systematic Approach. | C211.2 A |
| B) Minor Experiment: | Marks 10/20 |
| Aim: 1) Demonstration of knee cap. | C211.4 A |
| 2) Demonstration of Abdominal belt. | |
| C) Spotting: (Any 5) | Marks 10 |
| a) Cervical Collar | CO No. LL C211.4 R, A |
| b) Chest Rib Belt | C211.4 R, A |
| c) Abdominal belt | C211.4 R, A |
| d) Knee cap (Type-1) | C211.4 R, A |
| e) Lumbo-Sacral belt | C211.4 R, A |
| f) Resource of Drug Information | C211.4 R, A |
| Q. 3 Viva Voce | Marks 10 |
| | CO No. LL C211.1 U, R |
| Q. 4 Practical Record Maintenance | Marks 10 |
| | C211.1-C211.4 R, A |

*****ALL THE BEST*****


M.A.C.P. Sonepawane



Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20560

Class: S. Y. D. Pharmacy

Date: 17/02/2023

Time: 2:30pm-5:30pm

Batch-A

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

- a) Name the walking aid used by blind person.
- b) Write the uses of Bandages.
- c) Enlist various types of syringes.
- d) What are various components of I. V. Sets?
- e) Enlist various types of Ryle's tube.
- f) Simple Oxygen Masks supplies Oxygen in the concentrations of%

| CO No. | LL |
|--------|---------|
| C211.4 | R |
| C211.4 | U, A |
| C211.4 | U, R |
| C211.4 | R, A |
| C211.4 | U, R, A |
| C211.4 | R |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

- Aim:** 1) To demonstrate the use of Oxygen masks.
2) To demonstrate the use of Urinary Catheters, Urine Bags and Pots

| CO No. | LL |
|--------|----|
| C211.4 | A |

B) Minor Experiment:

Marks 10/20

- Aim:** 1) To demonstrate the use of Ryle's Tube.
2) To demonstrate the use of bandages.

| CO No. | LL |
|--------|----|
| C211.4 | A |

C) Spotting: (Any 5)

Marks 10

- a) Triangular Bandage
- b) Luer Slip Syringe
- c) Adhesive Bandage
- d) Normal Bevel Needle
- e) Safety Engineered Pen Needle
- f) 5-Bevel Needle

| CO No. | LL |
|--------|------|
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |

Q. 3 Viva Voce

Marks 10

| CO No. | LL |
|--------|------|
| C211.4 | U, R |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|---------|
| C211.4 | U, R, A |

***** ALL THE BEST *****

Mr. C. P. Sawane



Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20560

Class: S. Y. D. Pharmacy

Date: 16/02/2023

Time: 2:30pm-5:30pm

Batch-B

Max. Marks: 80

*****ALL THE BEST*****

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

- What do you mean by catheter?
- Enlist the various types of oxygen masks.
- State precautions to be taken during use of Ryle's tube.
- What are advantages of I. V. Sets?
- What are types of needles?
- Enlist various types of bandages.

| CO No. | LL |
|--------|---------|
| C211.4 | R, U |
| C211.4 | R |
| C211.4 | U, R, A |
| C211.4 | R |
| C211.4 | R, U |
| C211.4 | R, U |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

- Aim:** 1) To demonstrate the use of Oxygen masks.
2) To demonstrate the use of Urinary Catheters, Urine Bags and Pots

| CO No. | LL |
|--------|----|
| C211.4 | A |

B) Minor Experiment:

Marks 10/20

- Aim:** 1) To demonstrate the use of needles and syringes.
2) To demonstrate the use of Intravenous Sets.

| | |
|--------|----|
| C211.4 | LL |
| CO-4 | A |

C) Spotting: (Any 5)

Marks 10

- Indwelling Catheter
- Intermittent Catheter
- Urine Pot
- Urine Bag
- Syringe
- Roller Bandage

| CO No. | LL |
|--------|------|
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |

Q. 3 Viva Voce


Marks 10

| CO No. | LL |
|--------|------|
| C211.4 | U, R |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|---------|
| C211.4 | U, R, A |


Mrs. C. D. Sonawane



Institute of Pharmacy, Dhule (Diploma)

Second Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20560

Class: S. Y. D. Pharmacy

Date: 13/02/2023

Time: 2:30pm-5:30pm

Batch-C

Max. Marks: 80

*Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.*

Q. 1 Synopsis (Any Five)

Marks 10

- Enlist various walking aids.
- Define Bandage.
- What are components of Syringe?
- Give formula for calculation of Drip rate.
- What is synonym of Ryle's Tube?
- Oxygen is a drug. True or False?

| CO No. | LL |
|--------|---------|
| C211.4 | R |
| C211.4 | U, R |
| C211.4 | U, R, A |
| C211.4 | R, A |
| C211.4 | R |
| C211.4 | U, A |

Q. 2 Experiment

Marks 50

A) Major Experiment:

Marks 30

- Aim:** 1) To demonstrate the use of Oxygen masks.
2) To demonstrate the use of Urinary Catheters, Urine Bags and Pots

| CO No. | LL |
|--------|----|
| C211.4 | A |

B) Minor Experiment:

Marks 10/20

- Aim:** 1) To demonstrate the use of Walking aids.
2) To demonstrate the use of bandages.

| CO No. | LL |
|--------|----|
| C211.4 | A |

C) Spotting: (Any 5)

Marks 10

- Walking Aids-Forearm Cane
- Walking Aids-Standard Walker
- Adhesive Bandage
- Syringe
- Intravenous Set
- Ryle's Tube

| CO No. | LL |
|--------|------|
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |
| C211.4 | R, A |

Q. 3 Viva Voce

Marks 10


| CO No. | LL |
|--------|------|
| C211.4 | U, R |

Q. 4 Practical Record Maintenance

Marks 10

| CO No. | LL |
|--------|---------|
| C211.4 | U, R, A |

***** ALL THE BEST *****


Dr. C. D. Sawade



Institute of Pharmacy, Dhule (Diploma)

Third Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20060

Class: S. Y. D. Pharmacy

Date: 21/04/2023

Time: 10:00am-01:00pm

Batch-A

Max. Marks: 80

| Instructions: 1. All questions are compulsory. 2. Draw a well labeled diagram wherever necessary. | | | |
|--|--|--------------------|-----------|
| Q. 1 | Synopsis (Any Five) | Marks 10 | |
| | | CO No. | LL |
| a) | Describe useful resources for studying drug-drug interactions. | C211.5 | R, A |
| b) | Enlist drugs administered by Subcutaneous route. | C211.4 | U, R |
| c) | Discuss in brief-management of drug interactions. | C211.5 | R, A |
| d) | Give the name of fluids administered by I. V. Route. | C211.4 | U, R |
| e) | Explain Open wounds. | C211.4 | U, R |
| f) | What are complications associated with Intramuscular Injection? | C211.4 | U, A |
| Q. 2 | Experiment | Marks 50 | |
| | | Marks 30 | |
| A) | Major Experiment: | CO No. | LL |
| Aim: | | C211.4 | R, U, A |
| 1) To demonstrate administration of Intravenous infusion in mannequin. | | C211.5 | |
| 2) To identify type of Drug-Drug interaction in given case. (CASE-A/B) | | | |
| B) | Minor Experiment: | Marks 10/20 | |
| | | CO No. | LL |
| Aim: 1) To demonstrate the wound dressing of knee injury. | | C211.4 | U, A |
| 2) To demonstrate the wound dressing of head injury . | | | |
| C) | Spotting: (Any 5) | Marks 10 | |
| | | CO No. | LL |
| a) | Surgical refractors | C211.4 | R, A |
| b) | Iris scissor | C211.4 | R, A |
| c) | Surgical forceps | C211.4 | R, A |
| d) | I. V. Set | C211.4 | R, A |
| e) | Surgical clips | C211.4 | R, A |
| f) | Nebulizer | C211.4 | R, A |
| Q. 3 | Viva Voce | Marks 10 | |
| | | CO No. | LL |
| | | C211.5 | U, R |
| Q. 4 | Practical Record Maintenance | Marks 10 | |
| | | CO No. | LL |
| | | C211.4-C211.5 | U, R, A |

*****ALL THE BEST*****

[Signature]
Mr. C. D. Sonawane



Third Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy

Subject Code: 20060

Class: S. Y. D. Pharmacy

Date: 20/04/2023

Time: 10:00am-1:00pm

Batch-B

Max. Marks: 80

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 10 | |
|--|---|----------------|---------|
| Q. 1 | Synopsis (Any Five) | CO No. | LL |
| a) | Why subcutaneous injection is needed? | C211.4 | R |
| b) | Enlist types colostomy bag. | C211.4 | U |
| c) | Discuss in brief-management of drug interactions. | C211.5 | R, A |
| d) | Give causes and symptoms of knee injury. | C211.4 | U, R |
| e) | Explain Intra-venous infusion? | C211.4 | U, R |
| f) | What is- Object drug and Precipitant drug? | C211.5 | U, A |
| Q. 2 | | Marks 50 | |
| A) | Major Experiment: | Marks 30 | |
| Aim: | | CO No. | LL |
| 1) To demonstrate administration of Intravenous infusion in mannequin. | | C211.4 | R, U, A |
| 2) To identify type of Drug-Drug interaction in given case. (CASE-A/B) | | C211.5 | |
| B) | Minor Experiment: | Marks 10/20 | |
| Aim: 1) To demonstrate the wound dressing of knee injury. | | CO No. | LL |
| 2) To demonstrate the wound dressing of head injury . | | C211.4 | U, A |
| C) | | Marks 10 | |
| Spotting: (Any 5) | | CO No. | LL |
| a) | Nebulizer | C211.4 | R, A |
| b) | Colostomy bag | C211.4 | R, A |
| c) | Surgical clips | C211.4 | R, A |
| d) | Non-absorbent surgical suture | C211.4 | R, A |
| e) | I. V. Arm | C211.4 | R, A |
| f) | Surgical refractors. | C211.4 | R, A |
| Q. 3 | | Marks 10 | |
| Viva Voce | | CO No. | LL |
| | | C211.5 | U, R |
| Q. 4 | | Marks 10 | |
| Practical Record Maintenance | | CO No. | LL |
| | | C211.4- C211.5 | U, R, A |

*****ALL THE BEST*****

Signature
Mr. (D) Sonawane

Institute of Pharmacy, Dhule (Diploma)




Third Sessional Practical Examination A.Y. 2022-23

Subject: Hospital and Clinical Pharmacy
Subject Code: 20060
Class: S. Y. D. Pharmacy
Date: 17/04/2023
Time: 10:00am-1:00pm
Batch-C
Max. Marks: 80

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| Q. 1 | Synopsis (Any Five) | Marks 10 | |
|--|---|--------------------|---------|
| | | CO No. | LL |
| a) | Enlist sites for intramuscular injection. | C211.4 | R |
| b) | Define drug-drug interaction. | C211.5 | U |
| c) | What are general rules for injections? | C211.4 | R, A |
| d) | Give causes and symptoms of head injury. | C211.4 | U, R |
| e) | What are advantages and disadvantages of colostomy bags? | C211.4 | U, R |
| f) | What is risk involved in administration of Subcutaneous injections? | C211.4 | U, A |
| Q. 2 Experiment | | Marks 50 | |
| A) | Major Experiment: | Marks 30 | |
| | | CO No. | LL |
| Aim: 1) To demonstrate administration of Intravenous infusion in mannequin. 2) To identify type of Drug-Drug interaction in given case. (CASE-A/B) | | C211.4 C211.5 | R, U, A |
| B) | Minor Experiment: | Marks 10/20 | |
| | | CO No. | LL |
| Aim: 1) To demonstrate the wound dressing of knee injury. 2) To demonstrate the wound dressing of head injury. | | C211.4 | U, A |
| C) | Spotting: (Any 5) | Marks 10 | |
| | | CO No. | LL |
| a) | Iris scissor | C211.4 | R, A |
| b) | Colostomy bag | C211.4 | R, A |
| c) | Curved needle | C211.4 | R, A |
| d) | Absorbent gauze swab | C211.4 | R, A |
| e) | Surgical mayo scissor | C211.4 | R, A |
| f) | Surgical refractors. | C211.4 | R, A |
| Q. 3 | Viva Voce | Marks 10 | |
| | | CO No. | LL |
| | | C211.5 | U, R |
| Q. 4 | Practical Record Maintenance | Marks 10 | |
| | | CO No. | LL |
| | | C211.4-C211.5 | U, R, A |

*****ALL THE BEST*****


Mr. C. D. Sonawane



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

First Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacy Law & Ethics

Subject Code: 20226

Class: S.Y. D. Pharmacy

Date: 12/11/2022

Time: 10.00 AM -11.30 AM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|------|--|----------|----|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Give the constitution and functions of DTAB. | C206.1 | R |
| b) | Write the functions of the pharmacy council of India. | C206.1 | U |
| c) | Cite the duties of the drug inspector | C206.2 | U |
| d) | Write the offenses & penalties under the Pharmacy Act, 1948. | C206.2 | R |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | What are education regulations? | C206.2 | U |
| b) | Define i) Adulterated Drug ii) Registered Pharmacist | C206.2 | U |
| c) | Give the composition of PCI | C206.2 | R |
| d) | Define 'Drug' under D and C Act, 1940. | C206.2 | R |
| e) | What do Schedule N, Schedule J, and Schedule X prescribe? | C206.2 | R |
| f) | Describe the general labeling conditions of drugs under D & C Act. | C206.2 | R |
| | | Marks 10 | |
| Q. 3 | Answer the following: Objective type Answers (Answer all 10 out of 10) 10 x 1 =10 (Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions) | CO No. | LL |
| a) | Where does the PCI inspectors report to after inspection? 1) Central council 2) State council 3) Central govt. 4) Joint state council | C206.2 | R |
| b) | Define Central Register | C206.2 | R |
| c) | What is the term of pharmacy council? 1) 10 years 2) 15 years 3) 5 years 4) 6 years | C206.1 | R |
| d) | When did The Pharmacy Act 1948, come into force? 1) 01 April 1949 2) 04 March 1948 3) 01 May 1949 4) 23 April 1948 | C206.1 | R |
| e) | What does DTAB stand for | C206.2 | R |
| f) | Who was the chairman of DEC? 1) Lt. Col. R. N. Copra 2) Mr. Bathgate 3) Prof. T. K. Gajjar 4) Acharya Prafulla Chandra Ray | C206.1 | R |
| g) | Relate "Schedule FF" as per D&C Act 1) Parenteral preparations 2) Ointment formulation 3) Cosmetic preparation 4) Ophthalmic preparations | C206.2 | U |
| h) | What is schedule H? | C206.2 | R |
| i) | Recall the full form of DEC | C206.2 | R |
| j) | When was the P.C.I. constituted? 1) 1948 2) 1989 3) 1949 4) 1950 | C206.1 | R |

*****ALL THE BEST*****

(T.R. Patil)



Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)

Second Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacy Law and Ethics

Class: S.Y. D. Pharmacy

Time: 10.30 AM -12.00 PM

Subject Code: 20226

Date: 25/02/2023

Max. Marks: 40

Instructions: 1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|------|--|----------|----|
| Q.1 | Answer any THREE of the following (5 Marks Each) | CO No. | LL |
| a) | Write a note on retail price and ceiling price of scheduled formulations. | C206.2 | A |
| b) | Explain the circumstances under which pregnancies can be terminated. | C206.2 | U |
| c) | Explain documentation and licenses in community pharmacy | C206.2 | A |
| d) | Discuss about places for termination of pregnancies | C206.2 | U |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following (3 Marks Each) | CO No. | LL |
| a) | Give the offences and penalties under NDPS Act | C206.2 | U |
| b) | Write in detail about classes of advertisements exempted under D&MR Act | C206.2 | A |
| c) | Give objectives, offences and penalties under Poisons Act 1919 | C206.2 | U |
| d) | Discuss the code of ethics for pharmacist in relation to his trade | C206.3 | A |
| e) | Give the offences and penalties under MTP Act 1971 | C206.2 | U |
| f) | Discuss the code of pharmaceutical ethics in relation to medical profession | C206.3 | A |
| | | Marks 10 | |
| Q. 3 | Answer the following: Objective type Answers (Answer all 10 out of 10) 10 x 1 =10 (Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions) | CO No. | LL |
| a) | CPCSEA head office is situated in i) New Delhi ii) Mumbai iii) Kolkata iv) Chennai | C206.2 | R |
| b) | FSSAI was established in i) 2001 ii) 2005 iii) 2008 iv) 2010 | C206.2 | R |
| c) | In Retail Price calculation what is the meaning of ED i) Extra Duty ii) Extreme Demand iii) Excise Duty iv) Exempted Duty | C206.2 | R |
| d) | CDSCO headquarters is located at i) New Delhi ii) Hyderabad iii) Mumbai iv) Gaziabad | C206.2 | R |
| e) | Define Magic Remedy | C206.2 | R |
| f) | What do you mean by CPCSEA | C206.3 | R |
| g) | Define Dealer. | C206.3 | R |
| h) | Define Poison under Poisons Act 1919 | C206.2 | R |
| i) | Mention the license (form) for retail sale of schedule X drugs | C206.2 | R |
| j) | The latest DPCO was passed on i) 2012 ii) 2011 iii) 2013 iv) 2014 | C206.2 | R |

*****ALL THE BEST*****


(T.R. Patil)



**Shri Vile Parle Kelavani Mandal's
Institute of Pharmacy, Dhule (Diploma)**

Third Sessional Theory Examination A.Y. 2022-23

Subject: Pharmacy Law and Ethics

Subject Code: 20026

Class: S.Y. D. Pharmacy

Date: 29/04/2023

Time: 10:30 AM to 12:00 PM

Max. Marks: 40

Instructions:

1. All questions are compulsory.
2. Draw a well labeled diagram wherever necessary.

| | | Marks 15 | |
|---|--|-----------------------|------------------|
| Q.1 | Answer any THREE of the following | (5 Marks Each) | CO No. LL |
| a) | Give the difference between branded and generic drugs | | C206.4 U |
| b) | Discuss the different functional areas of blood bank | | C206.2 U |
| c) | Explain categories and steps involved in biomedical waste management | | C206.2 A |
| d) | Explain the Redressal mechanism for consumers under Consumer Protection Act, 1986 | | C206.2 A |
| | | Marks 15 | |
| Q. 2 | Answer any FIVE of the following | (3 Marks Each) | CO No. LL |
| a) | Write about BCS system of classification | | C206.4 A |
| b) | Define clinical trials and discuss its phases | | C206.4 A |
| c) | Enlist the methods of Pharmaceutical waste treatment and disposal | | C206.3 A |
| d) | Explain principles of Bioethics | | C206.3 A |
| e) | Mention the powers and functions of National Disaster Management Authority | | C206.2 U |
| f) | Define and classify medical devices with example | | C206.3 U |
| | | Marks 10 | |
| Q. 3 | Answer the following: Objective type Answers (Answer all 10 out of 10) | CO No. | LL |
| <small>10 x 1 =10 (Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions)</small> | | | |
| a) | Define copyright as per IPR Act | C206.4 | R |
| b) | Clinical Establishments (registration and Regulation) Act was enacted in which year? a) 2010 b) 1970 c) 1984 d) 1974 | C206.2 | R |
| c) | Human anatomical wastes are categorized into which category of biomedical waste? a) Pink b) Yellow c) Crimson d) Maroon | C206.2 | R |
| d) | Define Bioethics. | C206.3 | R |
| e) | In which city the National Institute of Disaster Management is situated a) Kolkata b) New Delhi c) Dhule d) Nagpur | C206.2 | R |
| f) | Define trademark as per IPR Act | C206.4 | R |
| g) | Low risk devices belong to which class of medical devices a) Class B b) Class A c) Class C d) Class D | C206.3 | R |
| h) | Define patent as per IPR Act | C206.4 | R |
| i) | In which year 'Indian Patent Act' came into existence? a) 1979 b) 1970 c) 1984 d) 1974 | C206.4 | R |
| j) | Define ANDA | C206.4 | R |

*****ALL THE BEST*****

(T.R. Patil)