

Serial No.: 232421T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(PHARMACOLOGY)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Q. A Multiple-Choice Questions:

(5)

1. Spironolactone is a.....:

- | | |
|--------------------------------|------------------------------|
| a) Beta receptor antagonist | b) Alpha receptor antagonist |
| c) Potassium sparing diuretics | d) Calcium channel blocker |

2. Acetylcholinesterase Inhibitors is /are:

- | | |
|-------------------|---------------------|
| a) Pyridostigmine | b) Neostigmine |
| c) Edrophonium | d) All of the above |

3. Trazodone is a derivative of.....

- | | |
|-------------------------|------------------------|
| a) Primidine derivative | b) Rauwolfia alkaloids |
| c) Butyrophenone | d) None of the above |

4. Normal range of HDL in men:

- | | |
|-----------------------|------------------------|
| a) More than 40 mg/dL | b) More than 100 mg/dL |
| c) More than 80 mg/dL | d) More than 120 mg/dL |

5. Panax ginseng is:

- | | |
|------------------------|-----------------------|
| a) Antipsychotic drugs | b) Antimigraine drugs |
| c) Anti angina drugs | d) Nootropic drugs |

(5)

Q.B Fill in the blank questions:

6. Atropine is areceptor antagonist.
7. Ondansetron is a.....
8. Adverse effect are the
9. Tropicamide drug used in
10. Cefixime drug is

(Section: B)

Q.C Short Answer Type Questions: (Attempt any five)

(5×3= 15)

1. Define branches of pharmacology.
2. Write a short note on Lethal Dose (LD₅₀).
3. Classify the following drugs:(any two)
 - a) Anti-ulcer drugs
 - b) Cephalosporins Antibiotic
 - c) NSAIDs
4. Define Bronchodilators drugs. Give the MOA of Salbutamol.
5. What is haematinics? Define the Iron preparations.
6. Give the physiological role of 5- hydroxyl tryptophan.

(Section: C)

Q.D Long Answer Type Questions: (Attempt any three)

(5×3= 15)

1. Write the detailed notes on Penicillin antibiotic.
2. Define and classify the Anti-viral drugs. Give the mechanism of action of Acyclovir.
3. Classify the Sulphonamide drugs. Give the mechanism of action of Sulfamethoxazole with its adverse effects.
4. Define Anti-cancer drugs. Classify Anti-cancer drugs with example. Write the MOA of Methotrexate drug.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharma IInd Year (Session 2023-24)

Subject – Pharmacology

Examination: 3rd Sessional Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.

Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

- | | |
|---------------------------------|-------|
| A. Synopsis | = 10 |
| B. Experiments | = 50* |
| C. Viva voce | = 10 |
| D. Practical Record Maintenance | = 10 |

Total = 80 marks

Q. A Synopsis:

(10)

1. Define Pharmacology.

2. Therapeutic Index is a measure of

3. Pharmacodynamics involves

4. The inverse against of the benzodiazepine receptor is

5. There is a deficiency of in depression.

6. What is the name of vitamin K blockers drugs?

7. The maximum absorption of Iron occurs from

8. What are the Anticoagulant drugs?

9. What are the Antiulcer drugs?

10. Proton pump Inhibitors is most effective when given

Major Practical

Aim: To demonstrate and study the handling method of laboratory animal mice. **[30 Marks]**

Minor Practical

Aim: To study the miotic effect on rabbit eye.

[20 Marks]

Serial No.: 232422T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(COMMUNITY PHARMACY AND MANAGEMENT)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Multiple Choice Questions:

[5]

1. Before taking a prescription medicine, you should know which of the following?
 - a. How much to take
 - b. When to take it
 - c. Both A and B
 - d. None of these
2. Which ability effectively enhances the communication process?
 - a. Listening
 - b. Smile
 - c. Posture
 - d. Gesture
3. During a counselling session, which of the following must be given to the patient?
 - a. License verification
 - b. Insurance card
 - c. Product package insert
 - d. Medication guide
4. Community pharmacies are commonly referred to as:
 - a. Medical stores
 - b. Retail pharmacy
 - c. Retail drug shop
 - d. All of these
5. Which of the following is an inventory?
 - a. Finished products
 - b. Raw material
 - c. Consumable tools
 - d. All of these

Fill in the blanks:

[5]

6. The most common screening test for obesity is
7. Drugs that can be brought by the consumer without a prescription is known as.....
8. The minimum space required for retail drug store as per Drug and Cosmetic Act and Rules 1945
9. Informed consent is a right that belongs to
10. The ability to understand and share another's feelings is known as

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. Explain about Good Pharmacy Practice.
2. What are the responsibilities of community pharmacist?
3. Write a short note on dispensing error.
4. Difference between main label and auxiliary label.
5. Describe the steps of counselling to a patient of hypertension.
6. Explain the procedure of measuring blood pressure.

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Define Communication skills. Describe the skill elements of written communication.
2. What do you understand by patient counseling? Describe its benefits.
3. Define self-medication. Explain the role of pharmacist in self-medication.
4. Define inventory control. Discuss various methods of inventory control.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharm IInd Year (Session 2023-24)

Subject – Community Pharmacy & Management

Examination: IIIrd Internal Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.

Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

- | | |
|---------------------------------|-------|
| A. Synopsis | = 10 |
| B. Experiments | = 50* |
| C. Viva voce | = 10 |
| D. Practical Record Maintenance | = 10 |

Total = 80 marks

Q. A Synopsis:

(10)

1. Define auxiliary label.

2. Full form of MDIs

3. Write two medicines used in treatment of diabetes mellitus.

4. Gives the two causes of acne.

5. What do you mean by drug interaction?

6. Write two function of blood pressure .

7. Give the disadvantages of capillary blood glucose test.

8. Define Type 2 diabetes.

9. Which instrument is used to measure the lung function test ?

10. Write four major requirement for BMI measurement.



Major Practical:

[30 Marks]

AIM:- To perform the study on counselling of skin infection .

Minor Practical:

[20 Marks]

AIM:- To determination of tidal volume and vital capacity .

Serial No.: 232423T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(BIOCHEMISTRY & CLINICAL PATHOLOGY)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

Attempt all the questions:

Section - (A)

Multiple choice Questions:

[5]

1. Who proposed the Lock & key model?
(a) Alice Ball (b) Emil fischer
(c) Joseph priestley (d) Dmitri Mendelew
2. Which of the following is a tri carboxylic acid?
(a) Acetic acid (b) Succinic acid
(c) Oxalo acetic acid (d) Citric acid
3. Citric acid cycle is also called as
(a) Kreb cycle (b) TCA cycle
(c) Glycolysis cycle (d) Both (a) and (b)
4. The first vaccine approved for avian flu in
(a) 2001 (b) 2002
(c) 2009 (d) 2000
5. The normal range of prothrombin time is
(a) 1.6 second (b) 12-16 second
(c) 12-16 minute (d) 12-16 hours

Very short answer type questions:

[5]

1. Give any two liver function tests.
2. How is albumin detected in urine?
3. What are the compositions of blood?
4. How many ATP are produced in TCA cycle?
5. Give any three modes of coenzymes.

Section - B

Short answer type question (attempt any five):

[5x3 = 15]

1. Write in detail about the fat soluble vitamins and its deficiency disease.
2. Give structure, biochemical role & deficiency disease of pyridoxine.
3. Explain the factor affecting enzyme activity.
4. Differentiate between enzyme & co-enzyme.
5. Explain the structure & function of lipoproteins.
6. Discuss the secondary structure of protein.

Section - C

Long answer type question (attempt any three):

[5x3 = 15]

1. Briefly explain the qualitative tests of protein.
2. Briefly discuss about the liver function and its function tests.
3. Briefly discuss about ETC.
4. Briefly explain gluconeogenesis pathway with its significances.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharm IInd Year (Session 2023-24)

Subject – Biochemistry & Clinical Pathology

Examination: 3rd Sessional Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.

Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

- A. Synopsis = 10
- B. Experiments = 50*
- C. Viva voce = 10
- D. Practical Record Maintenance = 10

Total = 80 marks

Attempt all the questions:

[10 MARKS]

1. Who deduced the double - helical structure of DNA?

2. Monocyte are also known as

3. What is the composition of nucleoside?

Major Practical

[30 MARKS]

1. Qualitative analysis of boy lipids (Cholesterol).

Minor Practical

[20 MARKS]

2. Qualitative analysis of lipids (triglycerides).

Serial No.: 232424T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(PHARMACOTHERAPEUTICS)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Multiple choice questions:

[5]

1. Which of the following antimicrobial drugs is synthetic?
(a) Sulfanilamide (b) Penicillin
(c) Actinomycin (d) Neomycin
2. First EPL contained medicine and vaccines?
(a) 220 (b) 250
(c) 320 (d) 350
3. Which of the following is effected lobar pneumonia?
(a) Sections of the lung (b) Kidney
(c) Liver (d) Intestine
4. Which of these diseases are not related to thyroid glands?
(a) Getinism (b) Myxoedema
(b) Goitre (d) Acromegaly
5. Which of the following drug is a type of ACE inhibitor?
(a) Captopril (b) Streptomycin
(c) Amlodipine (d) Furosemide

Very short answer type question:

[5]

1. Give the clinical manifestation of glaucoma.
2. Give the physical symptoms of anxiety.
3. What incubation period of gonorrhoea.
4. Write any two non – pharmacological management of parkinson's disease.
5. Mention the type of hypertension on the basis of causes.

Section: B

Short answer type question: (attempt any five)

[5x3 = 15]

1. Explain the scope, objective, assessment and steps of pharmacotherapeutics.
2. Explain about stages, pathogenesis and pharmacological management of alcoholic liver disease.
3. Give the types, clinical manifestation and management of hepatitis.
4. Discuss the type, etiopathogenesis and management of psychosis.
5. Write a short note on the anti – microbial resistance.
6. Write the prevention of multi- drug resistant organism.

Section: C

Long answer type question: (attempt any three)

[3x5 = 15]

1. Write a detail note on the dysmenorrhoea and premenstrual syndrome.
2. Briefly discuss about osteoarthritis and rheumatoid arthritis.
3. Write a detailed note on the following.
 - (a) Tuberculosis
 - (b) HIV
4. Explain the GERD in detail.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharm IInd Year (Session 2023-24)

Subject – Pharmacotherapeutics

Examination: 3rd Sessional Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.

Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

A. Synopsis = 10

B. Experiments = 50*

C. Viva voce = 10

D. Practical Record Maintenance = 10

Total = 80 marks

Attempt all the questions:

[10 MARKS]

1. What are common signs & symptoms of heart failure?

2. What are the two cause of arrhythmia?

3. Define pediatric patient.

Major Practical

[30 MARKS]

Aim : To study the preparation and discussion of subjective, objective, assessment, Plan(SOAP) notes for urinary infection patient.

Minor Practical

[20 MARKS]

Aim : To perform the study disease condition, medication life – style modification, monitoring parameters and maintaining documentation of patient counselling on Asthma.

4. Give the name of three types of heart failure.

5. What are the plans for tuberculosis patients?

6. Give two symptoms of Tuberculosis.

7. Give one trigger of migraine.

8. Give the etiology of megaloblastic anemia.

9. Write any two clinical manifestation of glaucoma.

10. Write any two name of anti – depressant drugs?

Serial No.: 232425T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(HOSPITAL AND CLINICAL PHARMACY)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
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Attempt all the questions:

Section - (A)

Multiple choice Questions:

[5]

1. The good Pharmacy Practice in community and hospital Pharmacy started in
(a) 1892 (b) 1952
(c) 1982 (d) 1992
2. The main role of Pharmacist in PTC is
(a) Management of formulary (b) Drug distribution
(c) Drug order (d) Patient diagnosing
3. means to gain different types of medicines from the external network.
(a) Counselling (b) Purchasing
(c) Distributing (d) Compounding
4. pharmacy should be located on each floor of the hospital.
(a) Clinical (b) Consulting
(c) Satellite (d) Community.
5. is a feeding method that bypasses the GIT.
(a) Total parenteral nutrition (b) IV admixture nutrition
(c) Orally advising nutrition (d) None of the above

Fill in the blanks:

[5]

1. Radiopharmaceuticals are stored in
2. Use of computer system aim to
3. The Pus in urine is called as
4. Hemoglobin is the colour pigment of blood.
5. Absorbed poison can be removed by giving.....

Sections – (B)

Short answer type Question:

[5x3 = 15]

1. What is heavy metal poisoning? Give the treatment for arsenic poisoning.
2. Write a short note on the scope and aim of Pharmacovigilance.
3. Define the following terms -
 - (a) Medication error
 - (b) LASA drugs
 - (c) Drug - Drug interactions
4. Draw the layout of hospital Pharmacy.
5. Explain objectives, composition and functions a infection control committee.
6. Give short notes on:
 - (a) Inventory control techniques
 - (b) FIFO and FEFO Method
 - (c) Disposal of expiry and narcotics drug.

Sections – (C)

Long answer type Questions:

[3x5 = 15]

1. Briefly explain about distribution of drugs to ICCU/NICU/ICU/ emergency wards.
2. Briefly explain the development of clinical Pharmacy in India and other countries.
3. Discuss in brief about renal and thyroid function tests.
4. Explain the information resources and requirements of poison information centre.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharma IInd Year (Session 2023-24)

Subject – Hospital & Clinical Pharmacy

Examination: 3rd Sessional Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.

Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

- | | |
|---------------------------------|-------|
| A. Synopsis | = 10 |
| B. Experiments | = 50* |
| C. Viva voce | = 10 |
| D. Practical Record Maintenance | = 10 |

Total = 80 marks

Q. A Synopsis:

(10)

1. What is the Hospital Pharmacy?
2. The headquarters of FIP is
3. Fridge storage condition is defined as temperature between

4. Use of computer system aims to

5. The pus in urine is called as

6. The word Phobia means

7. is used in morphine poisoning.

8. Give one example of drug – food interaction.

9. What is the medication error?

10. Define LASA drugs.

Major Practical

Aim: To study, demonstration and hand on experience on Ryle's tube and oxygen mark.

[30 Marks]

Minor Practical

Aim: To study and perform the pulse oximeter test.

[20 marks]

Serial No.: 232426T

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(Pharmacy Law and Ethics)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
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Attempt all the questions:

(Section: A)

Multiple Choice Questions:

[5]

1. Medical stores are inspected by drug inspector for at least:
 - a. Once in a year
 - b. Twice in a year
 - c. Thrice in a year
 - d. Quarterly in a year
2. IAEC has how many members?
 - a. 5
 - b. 8
 - c. 12
 - d. 9
3. The Clinical Establishment Act was passed by the Indian Parliament on
 - a. 17th August 2010
 - b. 1st March 2020
 - c. 16th March 2010
 - d. 17th August 2009
4. Who regulates import and export of drugs in the country?
 - a. CDSCO
 - b. DTAB
 - c. PCI
 - d. FSSAI
5. The code of moral principles or the science of morals is termed as.....
 - a. Constitution
 - b. Ethics
 - c. Judiciary
 - d. Law

Define some terminology:

[5]

6. Ethics
7. Consumer
8. Guardian
9. Bio-medical waste
10. Permeability

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. Write the offences and penalties of Narcotic and Psychotropic Substance Act 1985.
2. Write the objectives of DPCO .
3. Enlist the function of FSSAI.
4. What is the role of CPCSEA .
5. What is packaging and labelling regulations ?
6. Enlist the function of blood bank .

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Explain all types of schedule M.
2. Discuss in brief principle of bioethics.
3. Write the formula used to calculate the retail price of a formulation in detail.
4. Explain clinical trial in detail.

Serial No.: 23242ET

Roll No.....



DR. S. N. DEV COLLEGE OF PHARMACY, SHAMLI (U.P.) – 247776
D. Pharm IInd Year, THIRD SESSIONAL EXAMINATION, 2023 - 24
(Environmental Studies & Disaster Management)

Time:02 Hrs

MaximumMarks:40

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

(Section: A)

Multiple choice questions:

[5]

1. The role of which agency is important in disaster prevention

- (a) Media (b) Police
(c) Government officials (d) Public

2. EIA is report:

- (a) Applicant (b) Logical
(b) Legal (c) Documental

3. Authorities inspect the industrial activity..... in a year.

- (a) Twice (b) Thrice
(c) Once (c) Quarterly

4. The day limit of noise in commercial area is

- (a) 75dB (b) 65dB
(c) 55dB (d) 50dB

5. Which of the following is called the secondary a pollutant?

- (a) PAN (b) Ozone
(c) Carbon monoxide (d) Nitrogen Dioxide

Very short answer type questions:

[5]

1. What is microbe?
2. State the meaning of deforestation?
3. Define air pollution.
4. Give the objective of air (Prevention & control of pollution) act 1981.
5. Determine BS 7750.

Section: B

Short answer type questions (attempt any five):

[5x3 = 15]

1. Discuss EIA in India.
2. Explain feature & function of national disaster management.
3. What do you understand by legal policy framework?
4. Explain Bharat stage emission standards.
5. Classify different forms of microbes.
6. Discuss control measures for acid rain.

Section: C

Long answer type question (attempt any three):

[3x5 = 15]

1. Explain the causes & effects of greenhouse effect
2. List the policies & institutional set up for wastewater-treatment.
3. Elaborate the steps involved in environment management system.
4. Discuss early warning system. Also explain types of early warning system in India.



Dr. S. N. Dev College of Pharmacy Sikka – Shamli

Class – D. Pharm IInd Year (Session 2023-24)

Subject – Environmental Studies & Disaster Management

Examination : IIIrd Internal Practical Examination

Max. Marks: 80

Time: 2 Hours

General Instructions:

Attempt all the Questions.
Writing should be neat and clean.

Name of Student:.....

Enrollment No.:

Date:

Scheme of the question paper

- A. Synopsis = 10
- B. Experiments = 50*
- C. Viva voce = 10
- D. Practical Record Maintenance = 10

Total = 80 marks

Q. A Synopsis: (10)

1. Define disaster .

2. EIA is a way of evaluating and controlling

3. Give the full form of TSS and TSS.

4. What is ISO14000 series?

5. What do you mean by alkalinity?

6. What is the purpose of pH test in drinking water ?

7. Barometer is used for

8. Define mock drill.

9. Who is invented the barometer?.

10. Which gas is mainly produced due to incomplete burning of wood ?



Major Practical:

[30 Marks]

AIM:- Determination of organic and inorganic solid in drinking water .

Minor Practical:

[20 Marks]

AIM:- To segregate the various types of solid waste in a locality .