

[SV 735]

Sub. Code : 4185

SECOND B.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

PHARMACY PRACTICE

Time : Three hours

Maximum : 90 marks

Two and a half hours

Sec. A & Sec. B : 60 marks

for Sec. A and Sec. B

Sec. C : 30 marks

Answer Sections A and Section B in separate answer book.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

Answer any TWO questions.

1. Define prescription. Describe the various parts of a prescription and the procedure adopted in dispensing.
2. Define and classify Incompatibility. Discuss the incompatibilities of soluble iodides, salicylates and benzoates with suitable examples.
3. How a patient misuses prescribed indications? Discuss in detail and suggest the corrective measures to be taken.

SECTION B — (6 × 5 = 30 marks)

Answer any SIX of the following.

4. What are objectives of family planning? Enlist the methods of contraception.
5. Write the principle and procedure for the dispensing of the following (brief)
 - (a) hygroscopic powders
 - (b) indiffusible mixtures.
6. Describe the methods of pricing prescription.

7. What are the methods to findout/calculate child's dose of a drug?

8. (a) Send 20 ml of 4% solution of Potassium Permanganate (show calculations)

(b) Prepare 100 ml of 20% alcohol from 50% and 5% (alligation method).

9. Suggest suitable containers with their brief description for the following preparation.

(a) Suppositories

(b) Ointments.

10. Define and classify wound dressings. Write a note on primary wound dressings.

11. Discuss the applications of computer in Pharmacy.

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for Sec. A and Sec. B Section C : 30 marks

Answer Section A and B in separate answer books.

Answer Section C in separate sheet provided.

SECTION A — (2 × 15 = 30 marks)

Answer any TWO questions.

1. Define a prescription. Explain the various parts of a prescription with suitable examples. Explain the procedure adopted in handling a prescription.
2. Explain in detail the different types of containers and closures used for pharmaceutical preparations. Discuss the merit and demerit of each.
3. Explain the various reasons for non-compliance. Mention how this can be overcome. Discuss about patient counselling.
4. Explain the various steps to be followed regarding the safe use of drugs in a hospital. Discuss the factors that contribute to medication errors and how they can be eliminated.

SECTION B — (6 × 5 = 30 marks)

Answer any SIX questions.

5. Define and classify incompatibility. Explain the method adopted to overcome any one type of incompatibility with a suitable example.
6. Define mixtures. Classify. Discuss the procedures followed to disperse a mixture containing indiffusible substance.

7. Explain the role of community pharmacist in preventing communicable diseases.

8. What are sutures? What are the standards prescribed for them? How are they tested?

9. Explain about the various records to be maintained in a pharmacy.

10. Discuss the application of computers in pharmacy.

11. Explain the procedure for dispensing a powder containing a very small dose of a potent medication.

12. What are the advantages of giving a drug in an Emulsion form? Explain the method for preparing an emulsion of a fixed oil by wet gum method.

13. Explain the code of ethics prescribed for community pharmacist.

[SG 710]

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Paper V — PHARMACY PRACTICE

Time : Three hours Maximum : 90 marks

Two and a half hours Sec. A & Sec. B : 60 marks

for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — ($2 \times 15 = 30$ marks)

Answer any TWO questions.

1. Define incompatibility. Discuss with suitable examples the various types of therapeutic incompatibilities.
2. Discuss the various factors to be considered in selecting a suitable dermatological vehicle.
3. (a) Discuss the principle and procedure involved in dispensing of eye lotions.

(b) Discuss the factors for creaming in emulsion and suggest methods to reduce it.

SECTION B — ($6 \times 5 = 30$ marks)

Answer any SIX of the following.

4. Explain briefly with example (a) Mouth washes (b) Liniments.
5. Classify the suppository buses with suitable examples.
6. How do you dispense deliquescent powders in hard gelatin capsule?
7. List the advantages and disadvantages of glass containers for dispensing of drugs.
8. (a) How much of KMnO_4 has to be dissolved in 200 ml of water so that 10 ml of this solution when diluted to 500 ml gives 1 in 4000 solutions?
(b) Prepare 200 ml of 40% KMnO_4 from the given 60% KMnO_4 .
9. (a) How do you fix a dose proportionate to body weight?
(b) Calculate the dose for a six years old child if the adult dose of a drug is 120 mg, based on Young's formula.
10. Name any three communicable diseases, their mode of transmission and preventive measures to be taken.
11. Classify the surgical dressings and write a note on Absorbent Cotton wool.

[KA 710]

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Paper V — PHARMACY PRACTICE

Time : Three hours

Maximum : 90 marks

Two and a half hours

Sec. A & Sec. B : 60 marks

for Sec. A & Sec. B

Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

Answer any TWO questions.

1. Define and classify in compatibility. Discuss chemical incompatibility with suitable examples. (15)
2. (a) Define emulsion. Give an account of methods of preparation, stability and preservation of emulsions. (10)
(b) Give a brief account of filling of powders into hard gelatin capsules. (5)
3. (a) Describe various parts of prescription. (8)
(b) Describe the methods of pricing prescription. (7)

SECTION B — (6 × 5 = 30 marks)

Answer any SIX of the following.

4. (a) Adult dose of phenobarbitone is 350 mg. Calculate the dose for 9 years old child. (Show calculations).
(b) Prepare 250 ml. of 40% alcohol from 65% and 10% alcohol (alligation method).
5. Describe the containers for the packaging of the following preparations :
(a) Creams
(b) Powders
(c) Throat paints.
6. Write short notes on Plague.
7. What is the significance of computers in pharmacy profession?
8. What are the factors contributing errors in medication? Add a note on their corrective measures.
9. Write short notes on bandages.
10. Give a brief account on dispensing and compounding procedures in a community pharmacy with regard to eye lotions.
11. Give a brief account on therapeutic drug monitoring.

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for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in separate answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

Answer any TWO questions.

1. What are the components of a prescription order? How are the prescriptions to be handled by pharmacist? What are the situations where computers can be used in a hospital?
2. Define and explain community pharmacy. Explain the various methods of family planning. Explain the role of community pharmacist in the implementation of family planning scheme.
3. List down various communicable diseases and causes for the same. Explain the role of community pharmacist in controlling such communicable diseases like Malaria and Filariasis.

4. Explain 'Incompatibility'. Classify them with examples. Explain the role of pharmacists in overcoming such incompatibilities in prescription.

SECTION B — (6 × 5 = 30 marks)

Answer any SIX questions.

5. Dispensing of mixtures containing indiffusible solids with examples.
6. What are applications? Give examples and uses.
7. Patient's non compliance and methods to improve compliance.
8. Examples of surgical supplies and role of pharmacist to maintain such supplies.
9. Emergency treatment during snake bites and poisoning.
10. Maintenance records for Narcotic drugs.
11. Give an account of mouthwashes and gargles.
12. Various methods of calculating children doses.
13. Ointment : Give its bases method of preparation and dispensing.

OCTOBER - 2000

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for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in separate Answer books.

Answer Section C in the answer sheet provided.

SECTION A — (2 × 15 = 30 marks)

Answer any TWO questions.

1. (a) Define incompatibility. Discuss the types of chemical incompatibilities. Write the methods of correcting such incompatibilities with examples. (12)

(b) $\mathcal{R}_x$

Menthol – 5 g

Camphor – 5 g

Ammonium chloride – 30 g

Light Magnesium Carbonate – 60 g

Make an insufflation

Find the incompatibility and write the method of compounding and dispensing this preparation. (3)

OCTOBER - 2000

2. (a) From the 1 in 400 solution of Proflavine hemisulphate, prepare 200 ml of a 1 in 10,000 solution.

(4)

(b) Send 5 card capsules each containing 600 μ g of hyoscine hydrobromide. It is advisable to weigh minimum of 300 mg of hyoscinehydrobromide on dispensing balance.

(6)

(c) Define Posology and write the methods of calculating children doses.

(5)

3. (a) Define emulsion. Write the methods of preparation of emulsions. Add a note on stability of emulsions.

(10)

(b) Give a brief account on containers and closures for ointments, suppositories and liniments.

(5)

SECTION B — (6 $\times$ 5 = 30 marks)

4. Write briefly on any SIX of the following :

(a) Patient medication counselling

(b) Family planning devices

(c) Adhesive tapes and sutures

(d) Filling of powders in hard gelatin capsules

(e) Application of computer in pharmacy

(f) Define communicable diseases. Mention atleast five communicable diseases and write briefly about any one of them.

(g) Parts of prescription.

(h) What are the factors contributing errors in use of medications in hospital? Give the measures to correct such errors.