

SVKM's NMIMS
SHOBHABEN PRATAPBHAI PATEL SCHOOL OF PHARMACY & TECHNOLOGY
MANAGEMENT / SCHOOL OF PHARMACY & TECHNOLOGY MANAGEMENT

Programme: D.Pharm

Year: II

Part: II

Academic Year: 2021-2022

Subject: Hospital and Clinical Pharmacy

Date: 30 March 2022

Marks: 80

Time: 2.00 pm - 5.00 pm

Durations: 3 Hrs

No. of Pages: 02

Final Examination 2021-2022

Instructions: Candidate should read carefully the instructions printed on the question paper & on the cover of the answer book, which is provided for their use.

NB:

1. **Section A** is compulsory
2. Attempt any **FIVE** questions from **Section B**
3. Section A contains 5 questions of 2 marks each & Section B contains 7 questions of 14 marks.
4. All questions carry equal marks.
5. Answer to each new question to be started on a fresh page.
6. Figures in brackets on the right hand side indicate full marks.

| | SECTION A | Marks | | | | | | | | | | |
|-------------|--|-----------|------------------|------|------------|---------|------|-------------|-------------|---------|--------------|----|
| Q.1 | a) Match the following <table border="1" style="margin-left: 20px; width: 50%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Diet/Drug</th> <th style="text-align: left;">Interacting drug</th> </tr> </thead> <tbody> <tr> <td>Curd</td> <td>Penicillin</td> </tr> <tr> <td>Aspirin</td> <td>Iron</td> </tr> <tr> <td>Fruit juice</td> <td>Tetracyclin</td> </tr> <tr> <td>Antacid</td> <td>Erythromycin</td> </tr> </tbody> </table> | Diet/Drug | Interacting drug | Curd | Penicillin | Aspirin | Iron | Fruit juice | Tetracyclin | Antacid | Erythromycin | 2M |
| Diet/Drug | Interacting drug | | | | | | | | | | | |
| Curd | Penicillin | | | | | | | | | | | |
| Aspirin | Iron | | | | | | | | | | | |
| Fruit juice | Tetracyclin | | | | | | | | | | | |
| Antacid | Erythromycin | | | | | | | | | | | |
| | b) State true or false of following sentences <ul style="list-style-type: none"> i) The hospital having capacity of 500 to 1000 beds are called as Large hospital ii) Light blockage method is used to detect faulty seal packaging of container | 2M 2M | | | | | | | | | | |
| | c) What advice will you give to the patient taking: i) MAO Inhibitors ii) Diazepam | 2M | | | | | | | | | | |
| | d) Give the normal values with significance- i) Haemoglobin ii) Blood sugar | 2M | | | | | | | | | | |
| | e) State the meaning of - i) Anorexia ii) Bradycardia | 2M | | | | | | | | | | |
| | SECTION B | | | | | | | | | | | |
| Q.2 A. | What are HEPA filters? Give its importance | 2M | | | | | | | | | | |
| B. | Attempt any THREE from following <ul style="list-style-type: none"> a) Discuss briefly the functions and objective of hospital pharmacy b) Describe in detail role of clinical pharmacist in a healthcare team c) Discuss the different types of out-patient services of the drug distribution system | 4M 4M | | | | | | | | | | |

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|--------|--|----------|
| | in hospital. d) Enlist various surgical dressings and give any two tests to evaluate absorbent cotton | 4M 4M |
| Q.3 A. | Write the uses of – i) Ultra sound sonography ii) X-ray machine | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) Give the symptoms and pathophysiology of diabetes | 4M |
| | b) Define hospital & Classify various types of hospitals | 4M |
| | c) Discuss physiological factors affecting bioavailability of drugs. | 4M |
| | d) Write the requirements of production facility of sterile manufacturing area | 4M |
| Q.4 A. | What do you mean by adverse drug reaction? | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) Enlist various Pharmacopoeial tests of sterile preparation & discuss any two | 4M |
| | b) Write the significance of hematological parameters in diagnosis of a disease. | 4M |
| | c) What do you mean by patient counselling? Write the role of pharmacist in patient counselling | 4M |
| | d) Describe in brief pharmacodynamic drug interactions | 4M |
| Q.5 A. | Write the difference between generic name and brand name of drug | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) Explain various hospital equipments used in a modern hospital | 4M |
| | b) What do you mean by drug interaction? Explain mechanism of drug interactions with examples? | 4M |
| | c) How do you treat insecticidal & heavy metal poisoning | 4M |
| | d) Describe the contents of hospital formulary | 4M |
| Q.6 A. | Translate the following Latin terms into English & write their full form i) q.s. ii) b.i.d. | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) What are surgical instruments? Enlist them & discuss their uses | 4M |
| | b) How computers are useful in record maintenance of pharmacy store | 4M |
| | c) Explain the role and significance of hospital formulary system | 4M |
| | d) Write a note on food-drug interactions | 4M |
| Q.7 A. | What is the role of pharmacy and therapeutic committee in hospital? | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) Discuss the importance of drug information services in hospital | 4M |
| | b) What do you mean by drug addiction? Name any three drugs which cause addiction and how it is treated? | 4M |
| | c) What is the role of pharmacist in adverse drug monitoring | 4M |
| | d) Describe in brief central sterile services in hospital | 4M |
| Q.8 A. | Define the term - i) Idiosyncrasy ii) Bioavailability | 2M |
| B. | Attempt any THREE from following | 4M |
| | a) Describe in detail location and layout of hospital pharmacy | 4M |
| | b) Discuss in detail pathophysiology & symptoms of tuberculosis | 4M |
| | c) Explain in brief manufacturing of non-sterile preparations in a hospital. | 4M |
| | d) Comment on following drug interaction. | 4M |
| | i) Aspirin can be taken with antacid but not with dulcolax | 4M |
| | ii) Tetracycline should not be combined with milk | 4M |