

(Time: 3 Hours)

(Total Marks: 75)

- Note :
- i) All questions are compulsory.
 - ii) Figures to the right indicate full Marks.

Q.I Choose the correct Answer and write it down **20**

- i** Tata Memorial Hospital is _____ hospital.
- Alternative 1 Tertiary level
 - Alternative 2 Secondary level
 - Alternative 3 Primary level
 - Alternative 4 General
- ii** In a community pharmacy, what is the primary focus of pharmaceutical care?
- Alternative 1 Selling over-the-counter cosmetics
 - Alternative 2 Maximizing profit margins
 - Alternative 3 Ensuring the safety and effectiveness of medications
 - Alternative 4 Controlling drug inventory
- iii** What is the primary responsibility of a hospital pharmacist?
- Alternative 1 Administering medications to patients
 - Alternative 2 Diagnosing medical conditions
 - Alternative 3 Dispensing medications and managing drug inventory
 - Alternative 4 Performing surgical procedures
- iv** Which complication is likely to happen when Warfarin is co-administered with Phenylbutazone?
- Alternative 1 Thrombocytopenia
 - Alternative 2 Embolism
 - Alternative 3 Bleeding
 - Alternative 4 Neutropenia
- v** A patient is prescribed an angiotensin-converting enzyme (ACE) inhibitor and a nonsteroidal anti-inflammatory drug (NSAID). What type of drug interaction is likely to occur between these two medications when taken together?
- Alternative 1 Synergistic interaction
 - Alternative 2 Potentiating interaction
 - Alternative 3 Antagonistic interaction
 - Alternative 4 Additive interaction
- vi** Idiosyncrasy is _____ .
- Alternative 1 Unpredictable reaction at therapeutic doses
 - Alternative 2 Predictable effect of a drug at therapeutic doses
 - Alternative 3 Predictable effect of a drug at high concentration
 - Alternative 4 Unpredictable reactions at higher doses

- vii** In which situations is Therapeutic Drug Monitoring (TDM) used?
- Alternative 1 To maximize the risk of drug toxicity
Alternative 2 To minimize the risk of drug toxicity and assess dosing for prophylactic therapy
Alternative 3 To encourage drug non-compliance
Alternative 4 To identify brand-name drugs

- viii** Which method is more commonly used for monitoring medication adherence and involves patient questionnaires and pill counts?
- Alternative 1 Direct Methods
Alternative 2 Indirect Methods
Alternative 3 Electronic Medication Monitors
Alternative 4 Clinical Examinations

- ix** What should pharmacists do to obtain a complete medication history in a predetermined and systematic manner?
- Alternative 1 Interview patients in a random order
Alternative 2 Use complex medical terminology to impress patients
Alternative 3 Ask open-ended and closed-ended questions
Alternative 4 Ignore patients' responses

- x** A process of providing information, advice and assistance to the patient so that they can use their medication appropriately is called _____.
- Alternative 1 Patient Counselling
Alternative 2 Automatic Stop order
Alternative 3 Medication Order
Alternative 4 Patient self-report

- xi** _____ perform a periodic assessment of poisoning management information as per the needs of the enquirer.
- Alternative 1 Therapeutic information services
Alternative 2 Poison information services
Alternative 3 Secondary sources services
Alternative 4 Automatic Stop order

- xii** The Information is presented by authors without any evaluation by a second party is _____ source.
- Alternative 1 Secondary
Alternative 2 Primary
Alternative 3 Tertiary
Alternative 4 Other

- xiii** Budget preparation is an important task of _____ department of any hospital.
- Alternative 1 Pharmacy
Alternative 2 Administrative
Alternative 3 Human Resource
Alternative 4 Purchase department

- xiv** Activities of clinical pharmacists do not include:
- Alternative 1 Attending rounds
Alternative 2 Studying of kinetics of drugs
Alternative 3 Participating in clinical trials
Alternative 4 Prescribing medications

- xv** _____ is the major role of clinical pharmacist.
- Alternative 1 Premarketing surveillance
Alternative 2 Post marketing surveillance
Alternative 3 Preclinical study
Alternative 4 Patient counselling

- xvi** Which of the following are not independent contractors?
- Alternative 1 Community Pharmacist
Alternative 2 Hospital Pharmacists
Alternative 3 Opticians
Alternative 4 Both 1 & 2

- xvii** _____ is the order quantity that minimises the total holding cost and ordering cost.
- Alternative 1 EOQ
Alternative 2 TQM
Alternative 3 TEM
Alternative 4 RAM

- xviii** The following are principals of inventory control except...
- Alternative 1 Demand forecasting
Alternative 2 Accuracy
Alternative 3 Warehouse flow
Alternative 4 Over stocking

- xix** Platelets are very small bodies about ____ in diameter.
- Alternative 1 3 Micron
Alternative 2 5 Micron
Alternative 3 7 Micron
Alternative 4 9 Micron

xx Which class of investigational drugs contains all investigational used drugs that are in the preliminary experimental stage?

- Alternative 1 Class A
- Alternative 2 Class B
- Alternative 3 Class C
- Alternative 4 Class D

Q.II Answer the following (Any two out of three) 20

- i Comment on staff requirements in hospital Pharmacy. Discuss the inpatient and outpatient responsibilities of hospital Pharmacists.
- ii Explain the importance and Monitoring of Patient Medication Adherence and Causes of Medication Non-Adherence.
- ii Define medication order and discuss its interpretation and legal requirements.

Q.III Answer the following (Any seven out of nine) 35

- i Classify Adverse drug reactions. Write a note on methods for detecting drug interactions.
- ii Explain the Need and factors to be considered during Therapeutic Drug Monitoring.
- iii Explain the preparation and revision of the hospital formulary.
- iv Explain the code of ethics for community pharmacists.
- v Explain various steps for effective patient counselling.
- vi Classify ward-round participation.
- vii Discuss income and expense accounts.
- viii Discuss factors affecting the selection of the site for drug store.
- ix Discuss the role of hospital pharmacists in Investigational Drug Studies.
