



ER20-PH-25T

8105

BOARD DIPLOMA EXAMINATION, (ER-20)

JULY/AUGUST—2024

DPH – SECOND YEAR EXAMINATION

HOSPITAL AND CLINICAL PHARMACY

Time : 3 Hours]

[Total Marks : 80

PART—A

5×6=30

Instructions : (1) Answer *any six* questions.

(2) Each question carries **five** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

1. Define PTC. Write its composition and functions. 1+1+3

2. Explain the procedure for purchasing of drugs. 5

3. Explain disposal methods of Cytotoxic drugs. 5

4. Explain unit dose drug dispensing method along with their advantages and disadvantages. 3+1+1

5. Define ward round participation and discuss goals and procedure of it. 1+2+2

6. Explain any two liver function tests. 2½+2½

7. Discuss symptoms and treatment for Narcotic drug poisoning. 2+3

PART—B

3×10=30

- Instructions :** (1) Answer *any ten* questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 8.** Explain the organization of hospital pharmacy. 3
- 9.** Explain NABH accreditation and role of pharmacist in it. 1+2
- 10.** Explain the devices used for cold storage of medicines. 3
- 11.** Explain Economic Order Quantity. 3
- 12.** Define IV Admixture incompatibility and its types. 1+2
- 13.** Define radiopharmaceuticals and mention the types of radiopharmaceuticals with a suitable example. 1+2
- 14.** Define Electronic Health Record and mention its advantages and disadvantages. 1+1+1
- 15.** Define Medication Errors and enlist types of medication errors. 1+2
- 16.** Explain LASA drugs and Tallman lettering as per ISMP. 3
- 17.** Define patient counseling and explain the procedure of patient counseling. 1+2
- 18.** Explain the pulmonary function tests. 3

PART—C

1×20=20

- Instructions :** (1) Answer **all** questions.
(2) The question carries **one** mark.

- 19.** Hospital pharmacist should possess which of the following abilities?
- (a) Administrative
 - (b) Technical
 - (c) Research
 - (d) All of the above
- 20.** Which one of the following hospital committees is responsible for preventing nosocomial infections?
- (a) Pharmacy and therapeutic committee
 - (b) Infection control committee
 - (c) Ethical committee
 - (d) Drug safety committee
- 21.** Which one of the following is FIP Basel statement?
- (a) Procurement
 - (b) Medication administration
 - (c) Monitoring medication
 - (d) All of the above
- 22.** Which one of the following is an example of reserve antibiotic?
- (a) Tigecycline
 - (b) Cefixime
 - (c) Cycloserine
 - (d) Cefepime

- 23.** Intensive coronary care unit focuses on the intensive treatment for _____ diseases.
- (a) liver
 - (b) kidney
 - (c) heart
 - (d) neonatal
- 24.** The carbohydrate source used in total parenteral nutrition is
- (a) Sorbitol
 - (b) Galactose
 - (c) Fructose
 - (d) Dextrose
- 25.** The drug that cause evacuation of bowels is known as
- (a) Analgesic
 - (b) Antacid
 - (c) Diuretic
 - (d) Cathartics
- 26.** The Latin term *Omnihora* meaning in English is
- (a) Once a day
 - (b) Every hour
 - (c) At bed time
 - (d) Every two hours
- 27.** Advice that must be given to patients while using MAO Inhibitors is
- (a) Do not drive vehicle
 - (b) Avoid cheese, alcoholic beverages and yeast extract
 - (c) Do not work with dangerous machinerics
 - (d) This laxative may colour the urine and faeces pink

- 28.** Patient counseling helps to
- (a) know the chemical structure of the drug
 - (b) develop business relations with pharmacist
 - (c) motivate the patient to take medicine for the improvement of health status of the patient
 - (d) pass time at old age
- 29.** Which of the following lipoproteins has protective effect against Myocardial Infarction?
- (a) LDL
 - (b) VLDL
 - (c) HDL
 - (d) Chylomicrons
- 30.** The normal range of clotting time of blood in capillary tube method is
- (a) 2–6 min
 - (b) 2–6 sec
 - (c) 10–14 min
 - (d) 10–14 sec
- 31.** Research journals are which category of sources of information?
- (a) Primary
 - (b) Secondary
 - (c) Tertiary
 - (d) All of the above

- 32.** The Uppasala monitoring centre is located in which of the following countries?
- (a) China
 - (b) Germany
 - (c) India
 - (d) Sweden
- 33.** Which one of the following drug absorption decreases when we take it with milk?
- (a) Tetracycline
 - (b) Frusemide
 - (c) Warfarin
 - (d) Probenicid
- 34.** The antidote used in heavy metal poisoning is _____.
- 35.** FEFO means _____.
- 36.** Method of dispensing of non-charge floor stock drugs is _____.
- 37.** Cold kits are used in the dispensing of _____.
- 38.** The software created for patients suffering from Parkinson's disease is _____.

★★★



ER20-PH-25T

8105

BOARD DIPLOMA EXAMINATION, (ER-20)

JUNE—2024

DPH – SECOND YEAR EXAMINATION

HOSPITAL AND CLINICAL PHARMACY

Time : 3 Hours]

[Total Marks : 80

PART—A

5×6=30

Instructions : (1) Answer *any six* questions.

(2) Each question carries **five** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

1. Define Pharmacy and Therapeutic Committee. Write its composition and objectives. 1+2+2
2. Discuss the procedure for procurement of materials in hospital. 5
3. Describe complete floor stock system for in-patients. 5
4. Define patient counseling. Discuss the goals and procedure for patient counseling. 1+2+2
5. Define Poison Information Centre. Write the information resources and functions of Poison Information Centre. 1+1+3
6. Explain the devices used for cold storage. 5
7. List out the tests associated with cardiac disorders. Describe the method of estimation, normal values and interpretation to total serum cholesterol. 1+4

PART—B

3×10=30

Instructions : (1) Answer *any ten* questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 8.** Define Good Pharmacy Practice. Discuss in brief the role of pharmacist in satisfying GPP requirement in hospital. 1+2
- 9.** Write a short note on consequences of improper disposal of expired drugs. 3
- 10.** Explain the organizational structure of Hospital Pharmacy. 3
- 11.** Define economic order quantity, lead time and buffer stock. 1+1+1
- 12.** What are IV admixture preparations? Mention the types of incompatibilities and write their causes. 1+1+1
- 13.** What are radiopharmaceuticals? Discuss the storage of radiopharmaceuticals? 1+2
- 14.** How does the computer help regarding therapeutic drug monitoring? 3
- 15.** Write the scope of clinical pharmacy. 3
- 16.** Explain any two pharmacodynamics mechanisms of drug interactions with examples. 1½+1½
- 17.** What are glomerular function tests? Explain creatinine clearance test and its clinical interpretation. 3
- 18.** Describe the strategies to minimize medication errors. 3

PART—C

1×20=20

- Instructions :** (1) Answer **all** questions.
(2) The question carries **one** mark.
(3) Answer should be single word or single sentence.

19. Full form of VED analysis is

- (a) Vital, Efficient, Desirable
- (b) Vital, Essential, Desirable
- (c) Viable, Essential Desirable
- (d) Viable, Efficient, Desirable

20. The hospital pharmacy must be located in

- (a) first floor of the hospital
- (b) outside the hospital
- (c) Both (a) and (b)
- (d) every floor of the hospital

21. The Pharmacy and Therapeutics Committee plays dual role of _____ and _____.

22. Vitamins are stored in

- (a) cold temperature
- (b) room temperature
- (c) freezer
- (d) cool temperature

- 23.** The number of pharmacists required for 300 bedded hospitals are
- (a) 10
 - (b) 12
 - (c) 15
 - (d) 12-15
- 24.** The system in which there is a main pharmacy, and it has sub-pharmacies under it is
- (a) floor-stock system
 - (b) unit dose dispensing system
 - (c) satellite pharmacy
 - (d) bed side pharmacy
- 25.** Total Parenteral Nutrition is a method that bypasses the _____ because of its absorptive capacity is reduced.
- 26.** Emergency services are available for _____ hours.
- (a) 8
 - (b) 12
 - (c) 20
 - (d) 24
- 27.** Translate 'Charta' into English.
- (a) A drop
 - (b) A lozenge
 - (c) A powder
 - (d) A juice

28. Example for Electronic Health Record (EHR) software is

- (a) eClinical Works
- (b) Allscripts
- (c) Nextgenclinic
- (d) All of the above

29. State the meaning of necrosis.

- (a) An agent that enhances the flow of bile into the intestine
- (b) Agent that helps to expel the gases from GIT
- (c) Death of cells or tissues
- (d) Agent that produces evacuation of gall bladder

30. Radiopharmaceuticals should emit

- (a) gamma particles
- (b) alpha particles
- (c) beta particles
- (d) None of the above

31. Inulin clearance is used to assess

- (a) renal threshold
- (b) concentrating ability of tubules
- (c) glomerular filtration rate
- (d) diluting ability of tubules

- 32.** Pharmaceutical care is responsible provision of drug therapy for the purpose of definite outcomes that improve ____.
- 33.** Which of the following has protective effect against myocardial infraction?
- (a) LDL
 - (b) VLDL
 - (c) HDL
 - (d) Chylomicrons
- 34.** Journals are which category of sources of drug information?
- (a) Primary
 - (b) Secondary
 - (c) Tertiary
 - (d) None of the above
- 35.** Pharmacovigilance
- (a) increase economic burden on healthcare system
 - (b) improve public health
 - (c) neglect patient Safety
 - (d) discourage effective drug use
- 36.** Corrosive poison is
- (a) highly active irritant
 - (b) produce inflammation of tissues
 - (c) produce ulceration of tissues
 - (d) All of the above

37. Patient counseling helps to

- (a) know chemical structure of drug
- (b) develop business relations with pharmacist
- (c) motivate the patient to take medicine for improvement of his/her health status
- (d) pass time at old age

38. _____ causes pharmacodynamics drug interaction

- (a) Gastric motility changes
- (b) Stimulation of metabolism
- (c) Alteration of PH of GIT
- (d) Interactions at receptor site

018
★★★



ER20-PH-25T

8105

BOARD DIPLOMA EXAMINATION, (ER-20)

MARCH/APRIL—2024

DPH – SECOND YEAR EXAMINATION

HOSPITAL AND CLINICAL PHARMACY

Time : 3 Hours]

[Total Marks : 80

PART—A

5×6=30

Instructions : (1) Answer *any six* questions.

(2) Each question carries **five** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

1. Mention different techniques used in the inventory control system and explain the EOQ method of inventory control. 2+3=5
2. Write the methods of drug distribution to in-patients. Explain about the unit dose dispensing system. 2+3=5
3. Define ward round participation and write the procedure for ward round participation. 2+3=5
4. Define the term 'Antidote'. Write in detail about the symptoms and treatment of Barbiturate poisoning. 1+2+2=5
5. Write in detail about various steps involved in the purchasing procedure of drugs. 5
6. Define hospital pharmacy and write the scope of hospital pharmacy. 2+3=5
7. Explain the importance of water and fluid electrolyte balance in the body. 2½+2½=5

PART—B

3×10=30

- Instructions :** (1) Answer *any ten* questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 8.** Write a short note on national scenario of hospital pharmacy. 3
- 9.** Define 'Pharmacy Therapeutic Committee' (PTC) and write the composition of PTC. 2+1=3
- 10.** Write a short note on Tenders. 3
- 11.** Define the terms (a) in-patient and (b) out-patient. 1½+1½=3
- 12.** Write a short note on 'Total Parenteral Nutrition' (TPN). 3
- 13.** Define Radiopharmaceuticals and write a note on the storages of Radiopharmaceuticals. 1+2=3
- 14.** Write a brief note on applications of computers in hospital pharmacy practice. 3
- 15.** Enlist the daily activities performed by the clinical pharmacist. 3
- 16.** Define 'Pharmacovigilance' and write the aims of 'Pharmacovigilance'. 1+2=3
- 17.** Define medication errors and mention the types of medication error. 2+1=3
- 18.** Define poison information centre and write about its functions. 1+2=3

PART—C

1×20=20

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **one** mark.
(3) Answer should be in single word or single sentence.

19. For dispensing of medicines the minimum qualification required for pharmacist is

- (a) D. Pharm and B. Pharm
- (b) only B. Pharm
- (c) D. Pharm
- (d) None of the above

20. NABH is responsible for _____ of hospitals.

- (a) approval
- (b) controlling
- (c) affiliation
- (d) All of the above

21. The Secretary of PTC is _____.

- (a) Physician
- (b) Pharmacist
- (c) Nurse
- (d) Administrator

22. The important document of the hospital containing a collective list of drugs is known as

- (a) Clinical Pharmacy
- (b) Hospital Formulary
- (c) National Formulary
- (d) Satellite Pharmacy

- 23.** The cold storage temperature is
- (a) -5°C to -2°C
 - (b) 2°C to 8°C
 - (c) 8°C to 25°C
 - (d) -25°C to -10°C
- 24.** In cold storage devices, ILR stands for
- (a) Integrated Light Refrigerator
 - (b) Intensive Lined Refrigerator
 - (c) Ice Light Refrigerator
 - (d) Ice Lined Refrigerator
- 25.** How many types of out-patients are there?
- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
- 26.** The emergency services are available for _____ hrs.
- (a) 8
 - (b) 12
 - (c) 20
 - (d) 24
- 27.** The radiopharmaceuticals shall emit
- (a) Gamma particles
 - (b) Alpha particles
 - (c) Beta particles
 - (d) All of the above

- 28.** TPN stands for
- (a) Total Pure Nutrition
 - (b) Total Protein Nutrition
 - (c) Total Parenteral Nutrition
 - (d) Total Particular Nutrition
- 29.** Which of these diseases is **not** related to thyroid glands?
- (a) Cretinism
 - (b) Myxoedema
 - (c) Goitre
 - (d) Acromegaly
- 30.** Inulin clearance is used to assess
- (a) Renal threshold
 - (b) Concentrating ability of tubules
 - (c) GFR
 - (d) Diluting ability of tubules
- 31.** The Pharmacovigilance will continue throughout
- (a) post marketing surveillance
 - (b) pre and post marketing surveillance
 - (c) pre marketing surveillance
 - (d) None of the above
- 32.** The most common type of medication error is
- (a) wrong drug
 - (b) wrong route of administration
 - (c) administering improper dose
 - (d) wrong patient

- 33.** The inventory levels are manually checked in _____ inventory control system.
- 34.** The formula for inventory turnover rate _____.
- 35.** The medical condition of 'Amnesia' means _____.
- 36.** _____ is a major role of clinical pharmacist.
- 37.** PIC stands for _____.
- 38.** The term 'Emetic' means _____.

★★★

018