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D.Pharm. Part-II (Regular) End-Term Examination

HOSPITAL AND CLINICAL PHARMACY

Full Marks – 80

Time – Three hours

The figures in the margin indicate full marks
for the questions.

1. Objective type (Answer all *twenty*) : (20 × 1 = 20)
- (i) 68th annual congress of International Pharmaceutical Federation was held on
- (a) 30th and 31st August 2008
(b) 30th and 31st September 2009
(c) 30th and 31st September 2008
(d) 30th and 31st August 2009
- (ii) National accreditation Board for Hospital (NABH) was established in
- (a) 2010 (b) 2006
(c) 2008 (d) 2012
- (iii) In medical terminologies "OZ" means
- (a) Once a day (b) Orally
(c) Ounce (d) Occupational therapy
- (iv) Histology is the study of
- (a) Study of Skin (b) Study of Tissue
(c) Study of Cancer (d) Study of Bone
- (v) Normal Range of Blood Urea Nitrogen (BUN) is
- (a) 8–20 mg/dL (b) 10–30 mg/Dl
(c) 7–25 mg/Dl (d) 6–30 mg/dL

[Turn over

- (vi) Which of drug is commonly used for cardiac arrest?
- (a) Epinephrine (b) Propanolol
(c) Aspirin (d) Lignocaine
- (vii) Wholesale license is granted on which form no?
- (a) 21A and 21B (b) 20A and 20B
(c) 20B and 21B (d) None of these
- (viii) Antidotes of heavy metal poisoning?
- (a) EDTA (b) Activated charcoal
(c) Sodium nitrite (d) Sodium thiosulfate
- (ix) Actual count of Neutrophils is
- (a) 1000-3500 (b) 1600-1800
(c) 2500-7000 (d) 4000-5000
- (x) Drug-Drug interaction between Aspirin + Warfarin causes _____.
- (xi) Headquarters of CDSCO is located at
- (a) New Delhi (b) Mumbai
(c) Kolkata (d) Guwahati
- (xii) Time gap between the placement of order to the receipt of goods in the store is known as
- (a) Supplier's lead time
(b) Administrative lead time
(c) Lead time
(d) None of these
- (xiii) When was Pharmacy Practice Regulation act was approved by PCI and Central Govt. of India?
- (a) 2014 (b) 2016
(c) 2017 (d) 2015
- (xiv) Gaucher's disease is a rare disease inherited metabolic disorder due to deficiency of
- (a) Enzyme Glucocerebrosidase
(b) Enzyme Phosphatase
(c) Enzyme Ligase
(d) None of the above

- (xv) The normal potassium level for an adult range is
- (a) 3–4.5 mmol/L (b) 3.5–5.2 mmol/L
(c) 4.5–6.5 mmol/L (d) 1.2–4.2 mmol/L
- (xvi) When patients are given antibiotics with milk product it leads to drug food interaction
- (a) Increased in bioavailability
(b) Decreased in bioavailability
(c) Absorption is increased
(d) Prevent antibiotic absorption and reduced bioavailability
- (xvii) Hypokalemia is a disease related to
- (a) Low level of Potassium
(b) Low level of Sodium
(c) Low level of Calcium
(d) Low level of Chloride
- (xviii) The measurement difference between the amount of air in your lungs after a normal exhale (FRC) and the amount after you exhale with force (RV) is called
- (a) Expiratory Reserve Volume (ERV)
(b) Functional Residual Capacity (FRC)
(c) Slow Vital Capacity (SVC)
(d) Total Lung Capacity (TLC)
- (xix) Drugs used for the treatment of metal poisoning is
- (a) EDTA (b) Sodium Nitrite
(c) Atropine (d) Tramadol
- (xx) Concentration of human red blood corpuscles are stored at temperature
- (a) 2–8°C (b) –0°C
(c) 8–15°C (d) 15–25°C

2. Short Answer (Answer ten out of eleven):

(10 × 3 = 30)

- (a) Define organization? Write the functions of Hospital.
(b) Draw the layout of pharmacy with proper illustration.
(c) Write down the qualification, duties and responsibilities of Chief pharmacist.

- (d) Briefly discuss the role of pharmacist in preventing antimicrobial resistance.
- (e) Differentiate between community pharmacy and hospital pharmacy.
- (f) Explain the various rights of purchase to ensure the continuous flow of material in hospitals.
- (g) Explain Unit Dose Dispensing system.
- (h) Briefly discuss about the radioactive waste management in a hospital.
- (i) Mention the role of pharmacist in the clinical pharmacy.
- (j) Write short note on various urine examination test.
- (k) Enlists the various steps involve in the treatment of poisoning.
3. Long answer questions (Answer six out of seven) : (6 × 5 = 30)
- (a) Write down the objectives, members and activities of Hospital and infection control committee.
- (b) Briefly discuss the different steps involve in procurement of goods.
- (c) Explain different types of pharmaceutical care.
- (d) Briefly explain the Basic Metabolic Panel (BMP) of clinical laboratory test.
- (e) Define medication error and classify medication error with proper explanation.
- (f) Explain the various reasons for drug-drug interactions with examples.
- (g) Define Pharmacovigilance. Mention the importance of pharmacovigilance.