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2020

B.Pharm. 6th Semester End-Term Examination

PHARMACOLOGY - III

Full Marks – 75

Time – Three hours

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

1. Answer the following (MCQ) : (20 × 1 = 20)
- (i) Which of the following is the side effect of aminoglycoside antibiotic?
 - (a) Ototoxicity
 - (b) Nephrotoxicity
 - (c) Neuromuscular junction blocking
 - (d) All of the above
 - (ii) BACTRIM or SEPTRAN is the combination of trimethoprim and sulfamethoxazole in _____ ratio.
 - (a) 1:5
 - (b) 5:1
 - (c) 2:5
 - (d) 5:2
 - (iii) Following are the drugs that reduce acid secretion except.
 - (a) Pantoprazole
 - (b) Esmoprazole
 - (c) Misoprostol
 - (d) Sucralfate
 - (iv) Which of the following condition is known as pink puffers?
 - (a) Emphysema
 - (b) Asthma
 - (c) Chronic bronchitis
 - (d) None of the above

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- (v) Rifampicin acts by
 - (a) Inhibiting folic acid synthesis
 - (b) Inhibiting mycolic acid synthesis
 - (c) Inhibiting transcription process
 - (d) All of the above
- (vi) Match the following:
 - (A) Penicillin
 - (B) Chloramphenicol
 - (C) Streptomycin
 - (D) Erythromycin
 - (1) Streptomyces griseus
 - (2) Streptomyces erythraeus
 - (3) Penicillium chrysogenum
 - (4) Streptomyces venezuelae
 - (a) A-3, B-4, C-1, D-2
 - (b) A-3, B-1, C-4, D-2
 - (c) A-4, B-3, C-1, D-2
 - (d) A-1, B-2, C-3, D-4
- (vii) Omalizumab is _____.
 - (a) Anti IgE antibody
 - (b) Anti IgG antibody
 - (c) Anti IgA antibody
 - (d) Anti IgM antibody
- (viii) Dapsone is a _____.
 - (a) Antitubercular drug
 - (b) Antileprotic drug
 - (c) Antimalarial drug
 - (d) Anthelmenthic drug
- (ix) Which of the following H₂ blocker have antiandrogenic effect.
 - (a) Ranitidine
 - (b) Cimetidine
 - (c) Famotidine
 - (d) Roxatidine
- (x) Which gland secretes melatonin?
 - (a) Pineal gland
 - (b) Posterior pituitary gland
 - (c) Hypothalamus
 - (d) Anterior pituitary gland
- (xi) Which immunoglobulin crosses the placenta?
 - (a) Anti IgE antibody
 - (b) Anti IgG antibody
 - (c) Anti IgA antibody
 - (d) Anti IgM antibody

- (xii) Which of the following cause vaginal carcinoma.
- (a) Supfonamide (b) Diethylstilbestrol
(c) Phenytoin (d) Progestins
- (xiii) _____ is a systemic antacid.
- (a) Magnesium hydroxide (b) Aluminium hydroxide
(c) Sodium bicarbonate (d) Magaldrate
- (xiv) Probiotics are used to treat.
- (a) Peptic ulcer (b) Diarrhoea
(c) Constipation (d) All of the above
- (xv) Which of the following is antimetabolite except.
- (a) Methotrexate (b) Azathioprine
(c) Mechlorethamine (d) 5-florouracil
- (xvi) The study conducted with single dose or multiple doses in a single day is called as.
- (a) Acute toxicity study (b) Subcute toxicity study
(c) Subchronic toxicity study (d) None of the above
- (xvii) Docusate is a _____.
- (a) Stimulant purgative (b) Osmotic purgative
(c) Stool softner (d) Bulk forming agent
- (xviii) Who is the father of modern toxicology?
- (a) Mathieu Orfila (b) Paracelsus
(c) Dioscorides (d) Ibn Wahshiyya
- (xix) Norfloxacin is primarily used in the treatment of which condition?
- (a) Urinary tract infections (b) Respiratory tract infections
(c) Infectious diarrhoea (d) Joint infections
- (xx) Carbon monoxide is characterized by the all the following EXCEPT
- (a) Colorless (b) Irritating
(c) Hypoxic gas (d) Odorless

2. Answer any SEVEN questions.

(7 × 5 = 35)

- (a) Write about clinical symptoms, mechanism and management of barbiturate and organophosphorus poisoning.
- (b) Classify sulphonamides. Explain the pharmacology of cotrimoxazole

- (c) Define genotoxicity, carcinogenicity, teratogenicity and mutagenicity with examples.
- (d) Write a note on immunostimulants.
- (e) Classify anticancer drugs. Explain the pharmacology of antimetabolites.
- (f) Classify antitubercular drugs. Add a note DOTS.
- (g) Briefly discuss antiviral drugs.
- (h) Highlight the general principles of treatment of poisoning.
- (i) State the chemotherapy of urinary tract infections.

3. Answer any TWO questions. (2 × 10 = 20)

- (a) (i) What is circadian clock? Explain its significance. (5)
 - (ii) Explain general principles of chemotherapy. (5)
 - (b) (i) Classify antiulcer drugs. Explain the pharmacology of omeprazole. (5)
 - (ii) Classify fluoroquinolones. Add a note on antiemetics. (5)
 - (c) Discuss about antiasthmatics. Explain the management of COPD. (10)
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