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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Theory Examination, May 2023

Course: Pharmacology-III
Program: B. Pharm.
Course Code: BP 602T

Semester: VI
Time: 03 hrs.
Max. Marks: 75

Instructions: Attempt all the questions

SECTION A

S. No.	CO	Multiple Choice Questions or Objective type Questions (20X1)	Marks
Q1			20
1	CO1	Which of the following is a mast cell stabilizer? a) Montelukast b) Sodium cromoglycate c) Prednisolone d) Omalizumab	1
2	CO1	Which of the following is used for dry cough? a) Bromhexine b) Tolu balsam c) Dextromethorphan d) Potassium iodide	1
3	CO1	Diphenoxylate can be used as a) anti-constipating agent b) anti-diarrheal agent c) anti-emetic d) anti-asthmatic	1
4	CO1	Which of the following is a bulk laxative? a) Milk of magnesia b) Ispaghula c) Lactulose d) Paraffin oil	1

5	CO2	Which of the following is Not a β -lactamase inhibitor? a) Clavulanic acid b) Tazobactam c) Sulbactam d) Amoxicillin	1
6	CO2	Fluroquinolones inhibit? a) DNA polymerase b) DNA gyrase c) Dihydrofolate synthase d) Thymidylate synthase	1
7	CO1	Which of the following brain center is involved in emesis? a) CTZ b) VC c) NTS d) All of the above	1
8	CO1	Which of the following situations does not require a respiratory stimulant? a) Sedative overdose b) Infants delivered prematurely c) Theophylline overdose d) General anesthesia use	1
9	CO1	Which of the following is an H2 receptor antagonist? a) Ondansetron b) Pantoprazole c) Cimetidine d) Misoprolol	1
10	CO1	Which of the following drugs is used as an expectorant? a) Codeine b) Dextromethorphan c) Bromhexine d) Pholcodine	1
11	CO2	The adverse effect metallic taste is associated with a) Albendazole b) Mebendazole c) Metronidazole d) Ketoconazole	1
12	CO2	Which of the following drugs is a protease inhibitor? a) Ritonavir b) Raltegravir b) Nevirapine d) Efavirenz	1
13	CO2	Which sulfonamide and antimalarial drug are generally combined for synergistic action?	1
14	CO2	Name a drug used both for malaria and amoebiasis.	1
15	CO2	Which major side effect is associated with isoniazid?	1
16	CO2	Which first line drug is used for leprosy?	1

17	CO2	Which antibiotic is used for syphilis?	1
18	CO3	Mention the use of immunostimulant.	1
19	CO4	What is the average time for chronic toxicity to appear?	1
20	CO5	What do you understand by the term biological clock?	1

SECTION B**Long Answers (Answer two out of 3) 2X10**

Q2			20
1	CO1	Discuss the classification of anti-asthmatic drugs with mechanism of action, contraindications, adverse effects, and therapeutic uses.	10
2	CO2	Describe the classification of tetracyclines in details with mechanism of action, mechanism of resistance, pharmacokinetics, and uses.	10
3	CO2	Write down the detail classification of anti-HIV drugs, mechanism of action based on their targets, major contraindications, and combination therapy.	10

SECTION C**Short Answers (Answer 7 out of 9) 7X5**

Q3			35
1	CO1	Write a brief note on stimulant laxatives and stool softeners.	2.5+2.5 =5
2	CO1	Differentiate between expectorants and anti-tussive at least with five points.	5
3	CO1	What is the role of anti-H.pylori drugs in ulcer and how they differ from ulcer protectives? Provide examples.	3+2 =5
4	CO1	Name the drugs targeting fungal cell membrane with their uses.	5
5	CO2	What are the advantages of semi-synthetic Penicillin over natural Penicillin?	5
6	CO2	Write a note on antimetabolites with the focus on therapeutic indications in specific type of cancers.	5
7	CO5	Which diseases can be treated through chronotherapy and how?	5
8	CO4	Write a note on carcinogenicity and mutagenicity.	5
9	CO3	Write a brief note on immunosuppressants.	5
		Total	75