

Manipal College of Pharmaceutical Sciences
Manipal Academy of Higher Education, Manipal
BPharm Semester IV, End Sessional Examination – July 2021

PHA-BP 404T. Pharmacology I

Date: 31.07.2021

Duration: 2 hrs (2.30 -4.30 pm)

Max. Marks: 50

Instructions: Answer ALL questions

I Multiple Choice Questions (MCQs)		10 Q × 1 mark = 10 marks
1	Heparin can be administered by one of the following routes A. Rectal B. Intravenous C. Intramuscular D. Oral	1 mark
2	Which of the following drugs binds to Na ⁺ /H ⁺ exchanger A. Hydrochlorothiazide B. Digoxin C. Lithium carbonate D. Dapagliflozin	1 mark
3	Noradrenaline metabolised and excreted into urine as one of the following compounds A. Vanillylmandelic acid B. N-acetyl-p-quinic acid C. Parahydroxy glucuronic acid D. Glucuronic acid	1 mark
4	Which of the following MAO-inhibitor selectively inhibits the metabolism of 5-HT and noradrenaline A. Clorgyline B. Selegiline C. Imipramine D. Duloxetine	1 mark
5	Which one of the following drugs is used as intravenous anaesthetics A. Propofol B. Haloperidol C. Sevoflurane D. Droperidol	1 mark
6	Which of the following drugs inhibit the alcohol dehydrogenase enzyme A. Disulfiram B. Fomepizole C. Leucovorin D. Monosulfiram	1 mark

	D. Antagonism will be observed if an agonist is administered along with a partial agonist.	
13	When treated with a full agonist, which of the following receptors will elicit the quickest effect? A. Adrenergic beta-2 B. Insulin receptor C. 5-HT3 D. Glucocorticoid receptors	1 mark
14	In a drug interaction resulting in potentiation, which among the following is true A. Both the drugs need to act on the same target (receptors/enzymes etc.) B. One of them should be a full agonist and the other one a partial agonist C. They both have different mechanisms of action D. One of the drugs needs to be an enzyme inhibitor	1 mark
15	Which of the following is idiosyncrasy? A. Chloramphenicol producing gray baby syndrome in a four-month-old baby. B. Oestrogen producing gynaecomastia in a 25-year-old man. C. A placebo formulation producing mood elevation in a 30-year-old woman with depression. D. Halothane producing malignant hyperthermia in a 16-year-old teen.	1 mark
16	The interaction of probenecid with penicillin results in A. Increased volume of distribution of penicillin B. Decreased clearance of penicillin C. Increased displacement of plasma protein bound penicillin D. Decreased half-life of penicillin	1 mark
17	Which of the following statements regarding autonomic nervous system is true? A. The distinction between sympathetic and parasympathetic systems is based on the neurotransmitters. B. Sectioning of autonomic nerves causes atrophy of the innervated organs. C. Vasorelaxation can be induced by cholinergic as well as adrenergic agonists. D. Both parasympatholytics and sympatholytics can reduce secretions of gastric glands.	1 mark
18	Which of the actions regarding adrenergic system is correct? A. Prazosin helps in improving urine flow by blocking adrenergic receptors of bladder detrusor muscle. B. During fight and flight response, the adrenergic system helps skeletal muscles take up glucose by increasing insulin secretion. C. Sympathetic system can modulate angiotensin-II synthesis	1 mark