PTO

(30) SARDAR PATEL UNIVERSITY

M.Sc. (Integrated) Biotechnology (IGMBT), Eight Semester Examination Thursday, 19th April 2018 02:00 p.m. to 5:00 p.m

PS08CIGMB4: Essentials of Pharmacology.

Total Marks: 70 Note: (1) Figures to the right indicate marks. (2) Draw a neat and labeled diagram, wherever necessary. Choose the most appropriate answer from the four alternatives given: [8] Q. 1 (1) Anticancerous drug are given by following route for localized effect (a) Arterial supply (b) Deeper tissue (c) Topical (d) None of them. Which of the following is prodrug? (a) Prontosil (b) Saquinavir (c) stavudine (d) none of them (3) 3-hydroxy-4-methoxyphenylglycol form by the action of: (a) monoamine oxidase (b) cholinesterase (c) a and b both (d) none of the above (4) Visamicol drug is a example of : (a) sympathomimetics (b) parasympathomimetics (c) parasympatholytic (d) none of the above (5) Which of the following drug is improve sensitivity to insulin: (a) glitazone (b) Sulphonylureas (c) repaglinide (d) all of them (6) Which of the following is false? (a) The bronchospasm in asthma results from release of histamine. (b) The bronchospasm in asthma results from release of slow reacting substance of anaphylaxis(SRS-A). (c) The bronchospasm in asthma results from release of eosinophil chemotactic factor (ECF). (d) The bronchospasm in asthma results from necrosis of lungs. (7) Which of the following antibacterial drug act on cell membrane integrity: (a) vancomycin (b) tetracycline (c) polymaxin B (d) none of them (8) Which of the following is pyramidine analogous: (a) Fluorouracil (b) Methotrexate (c) mercaptopurine (d) none of the above [14] Answer any SEVEN from the following: Q.2(1) Differentiate between Pharmacokinetics and pharmacodynamic. (2) Define inverse agonist. (3) Define Leptocurares. (4) Define vasodilators. (5) Give example of drug that prevents mast cell degranulation and use in the treatment (6) How angina pectoris occurs? (7) How ACE inhibitors helps in the treatment of mycardial infarction

Write mechanism of action ribavarin,

(9) Name the drug use to eradicate trematodes.

Q.3 (a	Parational Toute of artigladministration in detail	[6] [6]
(b	OR Write detail account on mode of action based on chemical properties and physiological changes.	
Q.4 (a) (b)	action of action of local anesthetics in detail	[6] [6]
(b)	OR Write a detail account on adrenergic transmission.	
Q.5 (a)		[6]
ζ.υ (H)	Discuss pathophysiology of Bronchial asthma in detail.	[6]
(b)	Write classification and mechanism of action of anti diabetic drugs in detail.	[6]
(p)	Discuss mechanism of action of beta blockers and vasodilators	[6]
Q.6 (a) (b)	on that thug.	[6]
(b)	Classify antihelminthic drug. Write detail note on drugs used to treat in Contract in Cont	[6] [6]
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