## Paper / Subject Code: 66104 / Pharmacology - II

(3 Hours)	Total marks: 80
N.B. (1) All questions are <b>compulsory</b> (2) Figures to the right indicate full marks.	
Q.1 a) Answer the following:	
Stable and heritable genetic change that occurs spontaneous microorganism is called as     a. Mutation     b. Natural resistance     c. Acquired resistance.     d. Cross resistance.	
<ul> <li>2. Glucocorticoids are used in the following conditions excep</li> <li>a. Psoriasis</li> <li>b. Hypertension</li> <li>c. Asthma</li> <li>d. Arthritis</li> </ul>	
<ul> <li>3. Radioactive iodine is indicated in</li> <li>a. Hypothyroidism</li> <li>b. Hyperthyroidism</li> <li>c. Addisons disease</li> <li>d. None of the above</li> </ul>	
4is a luminal anti-amoebic drug. a. diloxanide furoate b. albendazole c. mebendazole d. neomycin	
<ul> <li>5. Anti-microbials that interfere with folate synthesis or action</li> <li>a. Sulphonamides</li> <li>b. Macrolides</li> <li>c. Beta lactam antibodies</li> <li>d. Quinolones.</li> </ul>	n.
6. The first line drugs for leprosy are  a. isoniazid and rifampin  b. dapsone, rifampin and clofazimine  c. rifampin, pyrazinamide and sterotomycin  d. none of the above	

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<ul><li>Q. 1 b) True or False and justify your answer:</li><li>1. Iron-dextran can be given by deep Intra</li></ul>	muscular injection and class intra vanous
infusion.	muscular injection and slow initia velious
<ul><li>2. Methicillin can be used to treat penicilli</li><li>3. Retrovirus is a DNA virus.</li></ul>	inase producing staphylococcal infection.
4. Nitrofurantoin damages bacterial DNA.	
5. Zidovudine is used to treat HIV infection	
Q. 1 c) Match the following:	
A	STATE OF BEEN
1. Nitrosoureas	a. Methotrexate
2. Campothecins	b. Melphalan
3. Nitrogen mustards	c. Irinotecan
4. Folate antagonists	d. Lomustine
5. Anti metabolite	e. 5-Fluoro uracil
Q.2 a) Write notes on <b>any two</b> of the followin	g: 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
i) Chemotherapy of Amoebiasis.	
ii) Classification of cephalosporins and cephalosporins.	d pharmacology of fourth generation
iii) Targets of anti-malarial drugs and indic	eations, mechanism of action and adverse
effects of Artesunate.	44466888888888888888888888888888888888
Q.2 b) Answer <b>any one</b> of the following:	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
i) Discuss first line therapy in tuberculosis	
ii) Use of Albendazole in treating helmintl	n infestation.
Q.3 a) Answer <b>any two</b> of the following:	8
i) Short note on Glucocorticoid as immuno	
ii) DPP IV inhibitors in managing type 2 d	
iii) Enlist clinical uses of anti-coagulants.	
Q.3 b) Attempt <b>any one</b> of the following:	4
i) Write a note on types of oral contracept	0 -0, 0,
ii) Discuss the pharmacological aspects of	b' ( )'
Q.4 a) Answer <b>any two</b> of the following:	8
i) Classify ant- coagulants. Discuss on dire	ct thrombin inhibitors.
ii) Classify anti-platelet aggregation drugs.	
iii) Discuss the physiological role of folic a	
Q.4 b) Write note on <b>any one</b> :	4
i) Tissue plasminogen Activators	
ii) Clinical uses of vitamin K	

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Q.5a	Answer <b>any two</b> of the following:	8
i) l	Elaborate on the anti-metabolites used in cancer therapy.	40
ii)	Classify antifungal drugs. Write a brief on amphotericin B.	\$ 5 X
iii)	) Discuss the pharmacology of protease inhibitors in anti viral therapy.	
Q.5 b)	) Write note on any one:	4
i) '	Topical anti-fungal drugs	
ii)	Extended spectrum penicillins	
		60%
		3
Q.6 a)	Write notes on any two of the following:	8
i) (	Classify Immunosuppressant drugs. Discuss on Calcineurin Inhibitors.	00
ii)	Effect of insulin on carbohydrate, fat and protein metabolism.	
iii)	) Discuss oxytocics.	7,25
		201
Q.6 b)	Write note on any one:	<b>4</b>
	i) Chloramphenicol	
	ii) metformin	
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