Seat N	lo.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
B.PHARM – SEMESTER – VII • EXAMINATION – WINTER Subject Code: 2270004 Date: 11/1 Subject Name: Pharmacology and Pharmacotherapeutics-III			
Time	<b>: 10.</b>	30 AM to 1.30 PM Total Marks: 80	
Instr			
2.	Mal	empt any five questions. ke suitable assumptions wherever necessary. ares to the right indicate full marks.	
Q.1	(a)	Discuss antibacterial spectrum and adverse effects of aminoglycoside antibiotics.	06
	(b) (c)	Discuss pathogenesis and treatment of urinary tract infections.  Discuss diagnosis of tuberculosis.	05 05
Q.2	(a) (b) (c)	Classify antiviral drugs and write mechanism of action and uses of Ganciclovir. Write a note on Co-trimoxazole. Write a note on Tamoxifen.	06 05 05
Q.3	(a) (b) (c)	Discuss role of human papilloma virus in the pathogenesis of cervical cancer. Enlist antibiotics used in cancer therapy. Write a note on Daunorubicin. Give similarities and dissimilarities between dengue and chikunguniya.	06 05 05
Q.4	<ul><li>(a)</li><li>(b)</li></ul>	Give different types of leukaemias. Explain pathophysiology and management of chronic leukemias.  Discuss mechanism of action and uses of Levofloxacin.	06 05
	(c)	Give antibacterial spectrum of $\beta$ -lactam antibiotics. Discuss advantages and use of semisynthetic penicillins.	05
Q.5	(a)	Discuss similarities and dissimilarities of Hodgkin's disease and non-Hodgkin's lymphoma.	06
	(b) (c)	Discuss lifecycle of malaria and pathological changes in organs. Write side effects of Chloramphenicol.	05 05
Q. 6	(a)	Explain various forms of influenza virus infections. Write etiopathogenesis of SARS and its diagnosis.	06
	(b) (c)	Explain development of resistance to antimicrobial agents.  Justify use of Folinic acid with Methotrexate treatment.	05 05
Q.7	(a) (b) (c)	Explain pathophysiology, symptoms, and investigations of prostate cancer. Compare and contrast Erythromycin and Azithromycin. Write pathogenesis of HIV infection.	06 05 05

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