It-301/IT/3rd Sem/2015/M

INFORMATION TECHNOLOGY

Full Marks - 70

Pass Marks - 28

Time - Three hours

The figures in the margin indicate full marks for the questions.

Question Nos. 1 and 2 are compulsory. Answer any *five* from the rest.

1.	(a)	Fill	in the blanks 0:) 110001101 (i) 5
			The speed of a computer is calculated in wollet on revue (d)
		(ii)	JPEG uses compression technique whereas PNG uses compression technique.
			World Wide Web uses its own protocol called

		(iv) MMS stands for and SMS stands for
		(v) The development of computer can be divided into generations.
	(b)	Write the full form of the following: 5
		(i) BASIC
		Pass Marks 28 OI (ii)
		(iii) VLSI of conft - omil
		(iv) FORTRAN short and mi coungil self
		(v) GIGO outcoup off rol
2.	(a)	Convert the following numbers to equivalent
		decimal numbers: 2+3=5
		(i) 10110001100 shanks old mi liii (a)
boli		(ii) 2A3B ₁₆
	(b)	Convert the following decimal numbers to
		binary equivalent: 3+2=5
pol		(i) 435 ₁₀ see OM9 assed a
		(ii) 135 ₁₀ Supradost
3.		cuss about the 1st and 2nd generation of aputers along with their key characteristics.
		5+5=10

List the main characteristic features of high-level 4 10 language. Discuss about LAN, MAN and WAN. Write one 5. example for each. 10 Describe some general uses of Internet. What is 6. an electronic mail? Explain. 5+5=10 Differentiate among simplex, half-duplex and 7. full-duplex modes of data transmission. 10 8. Differentiate between the following: (any two) (i) RAM and ROM (ii) Downloading and Uploading (iii) Encoding and Decoding 5×2=10 Define the following: 9. (i) Assembler (ii) Browser (iii) The World Wide Web (iv) Operating system

(v) Flow chart.

 $5 \times 2 = 10$