## Bachelor of Computer Application (B.C.A.-I) (CBCS) First Semester CBCS UBCAT 103-Information & Communication Technology Paper - III

P. Pages: 2 Time: Three Hours		irs * 3	* 3 8 3 3 *			GUG/W/18/11745 Max. Marks: 80	
Note	es: 1. 2. 3.	Draw neat and labelled diagr	am and	use supporting data wherever	•		
Eithe	er:-						
a)		<u>=</u>	ents of	computer? And also explain ch	naracteristics	8	
b)	Describe Primary memory in detail and explain the types of primary memory in detail.						
			0	OR CONTRACTOR			
c)	Converi)	It the following:- $(10110)_2 = (?)_{10}$				8	
	ii)	$(445)_{10} = (?)_2$					
	iii)	$(57)_{10} = (?)_{8}$					
	iv)	$(71)_8 = (?)_{10}$					
d)	Describ ROM.	be secondary memory in detail	and als	o explain difference between R	AM and	8	
Eithe	er:-						
a)	What are the locator device? Explain each in detail.					8	
b)			ii)	MICR		8	
			0	)R			
c)		<del>_</del>	ii)	Optical Disk		8	
d)	What are the Output devices? Explain each in detail.					8	
Eithe	er:-						
a)	Define Operating system in brief and explain classification of O/S on the basis of task.					8	
b)	What is Graphical user Interface? Explain in detail.					8	
			O	PR			
	e: Tl Note  Eithe a) b) c) d) Eithe a) b) c) Eithe a)	e: Three Hourner Hourn	Notes: 1. All questions are compulsory 2. Draw neat and labelled diagr 3. Avoid vague answers and wr  Either:- a) What is computer? What are the elem of computer. b) Describe Primary memory in detail ar  c) Convert the following:- i) (10110) <sub>2</sub> = (?) <sub>10</sub> ii) (445) <sub>10</sub> = (?) <sub>2</sub> iii) (57) <sub>10</sub> = (?) <sub>8</sub> iv) (71) <sub>8</sub> = (?) <sub>10</sub> d) Describe secondary memory in detail ROM.  Either:- a) What are the locator device? Explain to the following i) OMR  c) Write a brief note on the following i) Hard Disk d) What are the Output devices? Explain to the following ii) Hard Disk d) What are the Output devices? Explain to the following ii) Hard Disk d) What are the Output devices? Explain to the following ii) Hard Disk	Notes: 1. All questions are compulsory and ca 2. Draw neat and labelled diagram and 3. Avoid vague answers and write spece  Either:-  a) What is computer? What are the elements of of computer.  b) Describe Primary memory in detail and explain (10110) <sub>2</sub> = (?) <sub>10</sub> ii) (445) <sub>10</sub> = (?) <sub>2</sub> iii) (57) <sub>10</sub> = (?) <sub>8</sub> iv) (71) <sub>8</sub> = (?) <sub>10</sub> d) Describe secondary memory in detail and als ROM.  Either:-  a) What are the locator device? Explain each in b) Write a brief note on the following i) OMR  i) OMR  ii)  c) Write a brief note on the following ii) Hard Disk  iii)  d) What are the Output devices? Explain each in Either:- a) Define Operating system in brief and explain in the operation of the system in the system	e: Three Hours  Notes: 1. All questions are compulsory and carry equal marks.  2. Draw neat and labelled diagram and use supporting data wherever:  3. Avoid vague answers and write specific answer related to question.  Either:-  a) What is computer? What are the elements of computer? And also explain che of computer.  b) Describe Primary memory in detail and explain the types of primary memory in (10110) = (?) <sub>10</sub> ii) (445) <sub>10</sub> = (?) <sub>2</sub> iii) (57) <sub>10</sub> = (?) <sub>8</sub> iv) (71) <sub>8</sub> = (?) <sub>10</sub> d) Describe secondary memory in detail and also explain difference between R ROM.  Either:-  a) What are the locator device? Explain each in detail.  b) Write a brief note on the following  i) OMR  ii) MICR  OR  c) Write a brief note on the following  i) Hard Disk  ii) Optical Disk  d) What are the Output devices? Explain each in detail.  Either:-  a) Define Operating system in brief and explain classification of O/S on the base	Notes: 1. All questions are computery and carry equal marks.  2. Draw neat and labelled diagram and use supporting data wherever necessary.  3. Avoid vague answers and write specific answer related to question.  Either:-  a) What is computer? What are the elements of computer? And also explain characteristics of computer.  b) Describe Primary memory in detail and explain the types of primary memory in detail.  OR  c) Convert the following:- i) (10110) <sub>2</sub> = (?) <sub>10</sub> ii) (445) <sub>10</sub> = (?) <sub>2</sub> iii) (57) <sub>10</sub> = (?) <sub>8</sub> iv) (71) <sub>8</sub> = (?) <sub>10</sub> d) Describe secondary memory in detail and also explain difference between RAM and ROM.  Either:-  a) What are the locator device? Explain each in detail.  b) Write a brief note on the following i) OMR  ii) MICR  OR  c) Write a brief note on the following ii) Hard Disk  iii) Optical Disk  d) What are the Output devices? Explain each in detail.  Either:- a) Define Operating system in brief and explain classification of O/S on the basis of task.  b) What is Graphical user Interface? Explain in detail.	

	c)	Give a brief note on Operating with windows.						
	d)	What is control panel? What kind of facility it give to the user? Explain.						
	Eith							
4.	a)	What is Network? Explain various kinds of communication devices in detail.	8					
	b)	What is Internet? Explain the basic Internet terms in detail.						
OR								
	c)	Briefly describe various types of Network with their advantages and disadvantages.	8					
	d)	What are the services provided by the Internet? Explain each in detail.						
5.		Solve all the questions.						
	a)	What is number system? Explain it.	4					
	b)	Write a short note on the following i) Light Pen ii) Touch screen	4					
	c)	Write a short note on windows Accessories.	4					
	d)	Explain the types of Topologies in detail.	4					