B.C.A. - I (Sci)(CBCS)-Regular-Semester 2017 Sem I

UBCAT103 - Paper-III : Information and Communication Technology

P. Pages : 1 **GUG/S/18/10062**

Time : Three Hours * 2 6 0 7 * Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answers and write specific.

Either

1. a) What is generation of computer? Explain various generation of computer in detail. **8**

b) Convert the following **8**

i) $(273)_8 = (?)_{10}$ ii) $(531)_{10} = (?)_{16}$

OR

c) Define computer. Draw and explain block diagram of computer in detail. **8**

d) Differentiate RAM and ROM. **8**

Either

2. a) Explain keyboard in detail. **8**

b) What is output device? Explain Inkjet printer and projector in detail. **8**

OR

c) What is Optical Disk? Explain various types of optical disk in detail. **8**

d) Write a short note on **8**

i) MICR ii) OMR

Either

3. a) Explain features of windows in detail. **8**

b) Write a note on Disk fragmentation. **8**

OR

c) Explain Taskbar and windows explorer in detail. **8**

d) Write a short note on **8**

i) Disk cleanup ii) Device manager.

Either

4. a) Explain OSI model in detail. **8**

b) What is open source software? Explain proprietary software in detail. **8**

OR

c) Explain Ring topology in detail. Explain its advantages. **8**

d) Write a short note on search engine. **8**

5. Solve all the questions.

a) Explain octal number system in detail. **4**

b) Explain Blu Ray Disc in detail. **4**

c) Explain the GUI in brief. **4**

d) Explain the concept of E-learning in detail. **4**

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