

B.C.C.A.- I CBCS Pattern Semester-I
UBCCAT103 - Paper-III Information & Communication Technology

P. Pages : 2

Time : Three Hours



GUG/W/23/10614

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Define computer & draw a well labeled block diagram of computer organization. 4
- b) Convert the following. 4
 - i) $(1011101)_2 = (?)_{10}$
 - ii) $(523)_{10} = (?)_8$

OR

- c) Write about primary memory and secondary memory in detail. 4
- d) Discuss characteristics of computer in detail. 4

Either:

2. a) What do you mean by output device? Explain any two output device. 4
- b) Write short note on- 4
 - i) MICR
 - ii) OMR

OR

- c) Explain floppy disk and hard disk. 4
- d) What is barcode reader? Explain write a procedure to create barcode. 4

Either:

3. a) Explain need of networks and some basic terms used in networking. 4
- b) What is modem? List and explain the types of modem. 4

OR

- c) Write about Topology in detail explain ring topology in short. 4

- d) What do you mean by open source software? Explain in detail. 4

Either:

4. a) Explain characteristics of virus. 4
- b) What do you mean by PC faults? Explain different types of PC-faults. 4

OR

- c) What is passive software maintenance? Explain in detail. 4
- d) Explain how Anti-virus will help in eliminating virus. 4

5. Solve all the questions.

- a) Write difference between RAM & ROM. 2
- b) Write short note on- 2
- i) Scanner ii) Touch Screen
- c) Write about social & ethical issues in detail. 2
- d) Explain computer software in detail with suitable example. 2
