

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

P. Pages : 2

Time : Three Hours



**GUG/S/24/10614**

Max. Marks : 40

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- 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 and write the advantages and limitations of computerization. 4
- b) Differentiate between primary and secondary memory. 4

**OR**

- c) What do you mean by secondary memory? Discuss any two secondary storage devices. 4
- d) Convert the following- 4  
 $(100010)_2 = (?)_8$   
 $(1AB)_{16} = (?)_{10}$

**Either:**

2. a) Write short note on- 4
  - i) Hard disk
  - ii) Pen drive
- b) List the various input devices explain any two input devices. 4

**OR**

- c) Write a note on- 4
  - i) Inkjet printer
  - ii) Dot matrix printer
- d) Discuss the characteristics of Blue Ray disk. 4

**Either:**

3. a) What is transmission media? Explain the types of transmission media. 4
- b) What is OSI model? Explain in detail. 4

**OR**

- c) What do you mean by Internet? List the various Internet Tool. 4
- d) What do you mean by E-mail and E-mail address? Write merits and demerits of E-mail. 4

**Either:**

- 4. a) What is Active Software maintenance? Explain. 4
- b) What is diagnostic? Explain about repair tools diagnostic. 4

**OR**

- c) Explain the types of viruses in detail. 4
- d) What is mean by PC maintenance? Write the benefit of PC maintenance. 4

5. Solve all the questions.

- a) Explain various storage devices. 2
- b) What are the advantages and disadvantages of MICR? 2
- c) Explain: 2
  - i) Shareware
  - ii) Freeware
- d) What is need of preventive maintenance? 2

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