

B.C.C.A. - I (Old) Sem-I
0208 - Information & Communication Technology Paper - V

P. Pages : 2

Time : Three Hours



GUG/S/19/825

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 answer related to questions.

1. Either

- a) Draw block diagram of computer. Explain each unit in detail. **8**
- b) Perform the following. **8**
 - i) $(111.10)_2 = (?)_{10}$
 - ii) $(101.11)_2 = (?)_{10}$
 - iii) $(1567)_{10} = (?)_2$
 - iv) $(381)_{10} = (?)_2$

OR

- c) What is generation of computer? Explain second generation of computer in detail. **8**
- d) Explain mini and micro computer in detail. **8**

2. Either

- a) What is primary memory? Differentiate RAM and ROM. **8**
- b) Write a short note on **8**
 - i) VDU
 - ii) Inkjet printer

OR

- c) Write a short note on **8**
 - i) MICR
 - ii) OMR
- d) What is output device? Explain the functions of output device? Explain plotter in detail. **8**

3. Either

- a) Explain LAN and MAN network in detail. **8**
- b) What is Internet? Explain any three basic terms related with internet. **8**

OR

- c) What is computer Network? What is the need of computer Network? Explain. **8**
- d) What is search engine? Explain any two search engine in detail. **8**

- 4. Either**
- a) Explain active software maintenance in detail. **8**
 - b) Write a short note on **8**
 - i) Freeware
 - ii) Shareware

OR

- c) List and explain any four PC faults in detail. **8**
 - d) What is open source software? Explain FLOSS in detail. **8**
- 5. Solve all the questions.**
- a) Explain binary number system in detail. **4**
 - b) Write a short note on pen Drive. **4**
 - c) Explain Ring topology in brief. **4**
 - d) Write a short note on Advanced Testing tools. **4**
