

B.C.C.A. I (with Credits)-Regular-Semester 2012 Sem I
0208 - Paper-V : Information & Communication Technology-I

P. Pages : 2

Time : Three Hours



GUG/W/16/2941

Max. Marks : 80

- Notes :
1. All question are compulsory and carry equal marks.
 2. Draw neat and clean diagram wherever necessary.
 3. Avoid vague answer and write answer relevant and specific to question.

1. Either :
- a) What is number representation? Explain. 8
 - b) Discuss in brief Generation of computer. 8

OR

- c) What is binary system? 8
Solve the following.
i)
$$\begin{array}{r} 1010 \\ +1111 \\ \hline \end{array}$$
 ii)
$$\begin{array}{r} 111 \\ +110 \\ \hline \end{array}$$
- d) Draw the block diagram computer? Explain. 8

2. Either :
- a) What is cache memory? Explain primary and flash memory in detail. 8
 - b) Explain : 8
i) MICR ii) OMR.

OR

- c) Write about vision capturing. 8
- d) Explain : 8
i) Blue Ray Disk. ii) Hard Disk.

3. Either :
- a) Define Internet. Write a detail note on Search Engine. 8
 - b) What are the Advantage and disadvantage of LAN, WAN and MAN. 8

OR

- c) What do you mean by ISP? Explain ISP in detail. 8
- d) Elaborate the concept of Network in detail. 8

4. Either :
- a) Draw the OSI model? Explain. 8
 - b) Define Troubleshooting? Explain different types of PC fault. 8
- OR**
- c) Explain in brief Active and Passive – maintenance. 8
 - d) List the Tools for Service Engineers. Explain any two tools in detail. 8
5. Attempt all the question.
- a) Solve 4
 - i)
$$\begin{array}{r} 101 \\ \times 11 \\ \hline \end{array}$$
 - b) Write a short note on VDU. 4
 - c) What are the advantages of Email and Youtube. 4
 - d) Write about Shareware. 4
