

B.Sc.- I (Information Technology) (CBCS Pattern) Sem-I  
**UBITT103 - Paper-III - Information and Communication Technology**

P. Pages : 2

Time : Three Hours



**GUG/W/23/10912 (S)**

Max. Marks : 80

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

**Either:**

1. a) Define Computer. Draw and explain block diagram of computer in detail. 8
- b) Differentiate between RAM and ROM. 8

**OR**

- c) Write a note on: 8
  - i) Cache memory
  - ii) Flash memory
- d) Explain the evolution and history of computer in brief. 8

**Either:**

2. a) Explain the following: 8
  - i) Touch Ball
  - ii) Joysticks
- b) Describe non-impact printer in detail. 8

**OR**

- c) Define Projectors. Explain different types of projector. 8
- d) Explain photographic outputs in detail. 8

**Either:**

3. a) Explain the relationship between hardware and software. 8
- b) Enlist different types of system software. 8

**OR**

c) Define System Software. Give the functions of System Software. 8

d) Write a note on Language Translators. 8

**Either:**

4. a) Describe PC fault in detail. 8

b) Give the difference between Active and Passive software maintenance. 8

**OR**

c) Define Virus. Enlist the characteristics of Virus. 8

d) Write a note on Advance Testing Tools. 8

5. Solve all the questions.

a) Define functions of computer. 4

b) Write a note on Webcam and digital camera. 4

c) Describe Firmware. 4

d) Elaborate the properties of a virus. 4

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