

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

P. Pages : 2

Time : Three Hours



GUG/S/25/10912

Max. Marks : 80

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- 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 answer and write specific answers related to questions.

Either:

1. a) Draw and explain the Block diagram of computer in detail. 8
- b) Differentiate between primary & secondary memory. 8

OR

- c) Explain the following. 8
 - i) Flash memory
 - ii) Virtual memory
- d) Define Hard disk. Explain the working and structure of Hard disk. 8

Either:

2. a) Define pointing device. Explain the different types of pointing devices. 8
- b) Explain the following. 8
 - i) MICR
 - ii) OMR.

OR

- c) Explain the concept of Vision Capturing devices using suitable example. 8
- d) Define Input devices. Explain the different types of pick devices in detail. 8

Either:

3. a) Define software. Explain the Relationship between Hardware and Software. 8
- b) Differentiate between a system software and application software. 8

OR

- c) What is open source software? Explain following. 8
 - i) Freeware.
 - ii) Shareware.
- d) Explain the concept of open source software in detail. 8

Either:

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|-----------|----|--|----------|
| 4. | a) | Explain the Active Software Maintenance in detail. | 8 |
| | b) | Explain different types of PC faults in brief. | 8 |

OR

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|-----------|----|---|----------|
| | c) | Define virus. Explain the types of virus in detail. | 8 |
| | d) | Explain the following Diagnostic tools. | 8 |
| | | i) Software tools. | |
| | | ii) Hardware Tools. | |
| 5. | | Solve all the questions. | |
| | a) | Write a function of computer in detail. | 4 |
| | b) | Explain the Laser printer in detail. | 4 |
| | c) | Write a short note on Application Software. | 4 |
| | d) | Write a short note on assembling of PC. | 4 |
