

Ganpat University
B. Tech. Semester: III (All Branch)
Regular Examination November-December 2014
2OS301: Introduction to Computer Technology

Time: 3 Hours

Total Marks: 70

Instructions:

1. Figures to the right indicate full marks.
2. Each section should be written in a separate answer book.
3. Be precise and to the point in your answer.

Section – I

- Q-1** (a) Define Flowchart and Discuss its notations with suitable examples. [6]
(b) Discuss the following terms with example : [6]
1. GUI
2. BIOS
3. SDLC
- OR**
- Q-1** (a) Define algorithm and write an algorithm to check the given number is positive or negative. [6]
(b) Discuss the following terms with example : [6]
1. URL
2. Modem
3. HTTP
- Q-2** (a) List the types of network and explain any one with suitable diagram. [6]
(b) Discuss the Bus the Star Topology with diagram. [5]
- OR**
- Q-2** (a) Explain following terms with example : [6]
1. Hub
2. Repeater
3. Switch
(b) Explain Network Connection media in detail. [5]
- Q-3** (a) Define Operating System. Discuss the main objectives of operating system and its types. [6]
(b) What is Firmware? Discuss the difference between hardware and software. [6]

Section – II

- Q-4 (a) Give advantages & limitations of computer. [6]
(b) Explain Third generation computer in detail. [6]
OR
- Q-4 (a) Explain Floppy Disk Drive with structure diagram. [6]
(b) What is computer? Explain Classification of computer. [6]
- Q-5 (a) Give types of output devices. Explain GPU (Graphic cards) in details. [6]
(b) Give difference between DVD & Blue ray Disk. [5]
OR
- Q-5 (a) Convert 85_{10} to Binary, Octal & Hexadecimal number system.. [6]
(b) Explain Daisy wheel printer with diagram. [5]
- Q-6 (a) What is printer? Differentiate inkjet & laser printer. [6]
(b) Give various Types of Scanner. Explain working of scanner. [6]

END OF PAPER