

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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B.A./B.Sc. 1st Semester

INFORMATION TECHNOLOGY

Paper--A : Computer Fundamentals and Operating System

Time Allowed : Three Hours]

[Maximum Marks : 65

Note : Attempt **five** questions in all. Select **one** question each from Sections (A to D). Section E (Question No. 9) is compulsory. Each question is of 13 marks.

SECTION-A

1. Draw the block diagram of a computer. Also, explain the booting Process. 13
2. What is Number System ? Explain binary, octal, decimal and hexadecimal number systems with suitable examples. 13

SECTION-B

3. What is DOS ? Explain any twelve commands of DOS with proper syntax. 13
4. What do you mean by UNIX ? Explain ps, kill, wall, bc, echo and cp commands with suitable examples. 13

SECTION-C

5. What do you mean by Memory ? Discuss any two primary and two secondary memories in brief. 13
6. What is Printer ? Explain different types of printers. 13

SECTION-D

7. What do you mean by Computer Network ? Write down different hardware and software components of computer network. 13
8. What is Virus ? How can you detect and prevent viruses ? 13

SECTION-E

(Compulsory Question)

9. Write short notes on the following :

- (a) Plotters 3
- (b) WAN 2
- (c) Byte 2
- (d) Recycle Bin 2
- (e) Loader 2
- (f) EBCDIC Code. 2