

Series SKS/C

Code No. 179

Roll No.

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Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains 4 printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains 5 questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

IT SYSTEMS

(Theory)

Time allowed : 3 hours

Maximum Marks : 50

Instructions : *All questions are compulsory.*

1. Expand the following abbreviations and write a brief description about each :

5

- (a) CAM
- (b) MKDIR
- (c) BIOS
- (d) MBR
- (e) FTP

2. Fill in the blanks with suitable word(s) :

5

- (a) Out of ROM and RAM, _____ is volatile memory.
- (b) _____ is the batch file that DOS automatically executes when a computer boots up.
- (c) The _____ of the computer is called the brain of the computer.
- (d) When you have two or more computers connected to each other, you have a computer _____ .
- (e) A _____ is an Internet-based discussion forum about a particular topic.
- (f) A _____ is a string of characters used for authenticating a user on a computer system.
- (g) The process of reducing a file size so that it takes lesser storage space is called _____ .
- (h) Web _____ is the software used to view web pages.
- (i) In a network, a _____ is a computer that provides data and other resources to other computers.
- (j) _____ .SYS is the configuration file for DOS systems.

3. Answer the following questions :

8

- (a) Why should we update the antivirus software frequently ?
- (b) How is a website and a web page related ?
- (c) Define 'Gateway' with respect to Computer Networks.
- (d) How does Digital signature ensure authenticity of documents ?

- (e) List two tasks for which Robots are used in Automobile Industries.
- (f) Write the purpose of the following DOS command :

CD

- (g) Write DOS command to copy the 'pract.txt' file from the 'Main' directory in C: to the 'Misc' directory present in C: drive.
- (h) List two points how computers are useful for a country's military services.

4. Answer the following questions :

12

- (a) Mr. Sharma, a Manager in a software company, working on a Project on Students of XYZ University has asked the computer operators of his company not to reveal the personal addresses and telephone numbers of students to anybody.

Out of 'Piracy', 'Privacy', 'Intellectual property', which cyber ethic issue(s) is/are being addressed by Mr. Sharma ?

- (b) List two advantages of Video conferencing.
- (c) List three uses of Internet.
- (d) List two precautions that you would take to ensure Data security.
- (e) Give one example to show how is Virtual Reality used in the field of Entertainment.
- (f) What is Utility Software ? Give one example.
- (g) Distinguish between 'Logout' and 'Shutdown' of a computer.
- (h) Write the purpose of the following DOS Command :

DIR/w

5. Answer the following questions :

- (a) What is the purpose of Repeater in a Network ?
- (b) Why should information stored on a computer be backed up frequently ?
- (c) What is the purpose of ALU in a computer ?
- (d) What is Telnet ? How is it useful ?
- (e) Define Information Mining.
- (f) How is File Allocation Table used in a computer ?
- (g) What is the purpose of Scandisk utility ?
- (h) What is meant by 'Booting up' of a computer ?
- (i) Write one advantage and one disadvantage of buying goods over Internet.
- (j) What is Data Encryption ?