Computer Science (Objective Type)

Time: 20 Minutes   **Marks: 15**

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given.Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. Product,promotion,place and price relates to:

    (A) Marketing   **(B)** Banks   **(C)** Stock Exchange   **(D)** Departmental store

2. How many types of language processors are there?

    (A) 2   **(B)** 4   **(C)** 5   **(D)** 3

3. CPU's communication with peripheral devices are handled by:

    (A) Main Memory   **(B)** Input output unit   **(C)** Read only memory   **(D)** Control Unit

4. Making illegal copies of software is called:

    (A) Software legacy   **(B)** Software threat   **(C)** Software piracy   **(D)** Software privacy

5. A feature of operating system that automatically detect new hardware device is:

    (A) Multitasking   **(B)** Windows explorer   **(C)** Networking   **(D)** Plug and play

6. A storage area maintain by windows on hard disk for storing deleted items is:

    (A) Recycle Bin   **(B)** Internet Explorer   **(C)** Desktop   **(D)** My Documents

7. Which of the following features of MS-Word is used to duplicate a section of text?

    (A) Replace   **(B)** Copy   **(C)** Cut   **(D)** Paste

8. Which of the following is an absolute address of a cell in MS-Excel?

    (A) B1$ **(B)** B1 **(C)** B1   **(D)** $B1$

9. The length of an IP address is composed of:

    (A) 8 bits   **(B)** 16 bits   **(C)** 24 bits   **(D)** 32 bits

10. Which of the following is an example of System Software?

    (A) MS-Word   **(B)** MS-Excel   **(C)** Operating System   **(D)** Text Editor

11. Which of the following is the largest data unit?

    (A) Gigabyte   **(B)** Megabyte   **(C)** Kilobyte   **(D)** Terabyte

12. Which layer of OSI Model does data compression?

    (A) Presentation layer   **(B)** Network layer   **(C)** Session layer   **(D)** Transport layer

13. One or more Computers connected to a hub computer is a:

    (A) Ring Network   **(B)** Star Network   **(C)** Mesh Network   **(D)** Information Utility

14. Data is transmitted block by block in the:

    (A) Serial transmission   **(B)** Parallel transmission

    (C) Asynchronous transmission   **(D)** Synchronous transmission

15. The electromagnetic or light waves that represent data are called:

    (A) Waves   **(B)** Pulse   **(C)** Signals   **(D)** Information

Roll No. _____ *To be filled in by the candidate* **(For all sessions)**

Computer Science (Essay Type)

Time: 2:10 Hours   **Section-I**   Marks: 60

2. Write short answers of any six parts from the following.   2 x 6 =12

i. What is computer hardware?
ii. Define package software.
iii. Differentiate between input and output devices.
iv. How does pilot conversion work?
v. What is TCP/IP?
vi. Name two network standards.
vii. Write the purpose of application layer.
viii. Define unguided media.
ix. What is the role of cladding in fiber optic cable?

3. Write short answers of any six parts from the following.   2 x 6 =12

i. How can computer be used in departmental stores?
ii. What is the purpose of program counter register?
iii. What is the purpose of stack pointer register?
iv. Write the function of arithmetic and logic unit(ALU)?
v. What is interrupt?How is it generated?
vi. Define security.
vii. List any three computerized systems used in office automation.
viii. How is the use of computer beneficial in stock exchange?
ix. How does boot sector virus work?

4. Write short answers of any six parts from the following.   2 x 6 =12

i. What is scripting in command line interface?
ii. Define Graphical user interface.
iii. Explain Desktop of Windows OS.
iv. Define Search and Replace option of MS-Word.
v. What is font specification?
vi. Explain WYSIWYG.
vii. What are functions in Excel?
viii. Write function that sums the values from B3 to B10.
ix. What is meant by cell in MS-Excel?

Section -II

Note: Answer any three questions from the following.   8x3=24

5. Write the detail of the following Network Components.   08

     (i) Network Interface Card(NIC)   **(ii)** Gateway   **(iii)** Router   **(iv)** Ethernet

6. Explain any four data types with examples.   08

7. Describe Bus Interconnection.Discuss different categories of System Bus.   08

8. Explain four causes of computer virus.   08

9. Explain E-mail address and News groups in detail.   08