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