Computer Science (Subjective)

Time: 2:10 hours

SECTION-I

2. Write short answers of any six parts from the following: (6x2=12)

i. Dfine the term digital convergence.

ii. How did Information Technology make our world as global village?

iii. Write two types of plotters.

iv. Convert 32 bytes into bits.

v. Give any two uses of computer in business.

vi. What is meant by computer simulation?

vii. Describe video-conferencing.

viii. Differentiate between function and formula.

ix. Write the function to calculate the minimum value from A_1 to A_5 cells.

3. Write short answers of any six parts from the following: (6x2=12)

i. What is workgroup computing?

ii. Compare intranet and extranet.

iii. Write any two functions of network layer.

iv. How does FDM work?

v. What do you know about wireless modem?

vi. Define digital signal.

vii. Describe domain name system.

viii. List two advantages of email.

ix. Why newsgroups are created on the Internet?

4. Write short answers of any six parts from the following: (6x2=12)

i. How does cache memory work?

ii. Why does DRAM use more power?

iii. What is password?

iv. Write two ways in which data security is violated?

v. Define computer virus.

vi. What is the purpose of recycle bin?

vii. Define primary partition.

viii. What is meant by editing a document?

ix. Define paragraph formatting.

SECTION-II

Note: Answers any three questions from the following: (8x3=24)

5. What is video display adapter? Discuss its different types.

6. What is STAR TOPOLOGY? Explain its working with diagram. Also write its advantages and disadvantages.

7. What is data transmission mode? Explain its types with example.

8. Describe computer architecture. Discuss different components of Computer Architecture.

9. Describe CPU register. Discuss General-purpose registers.