

**Computer Science ( Subjective )**

Time: 02:10 Hours

Marks: 60

**SECTION – I****2. Write short answers to any SIX parts.**

12

- (i) Differentiate between data and information.
- (ii) Define computer.
- (iii) What is smart card?
- (iv) Who is programmer?
- (v) What do you know about www ?
- (vi) How are WANS connected?
- (vii) What is the use of repeater?
- (viii) How font can be bold and underline?
- (ix) How many items can be stored in clipboard?

**3. Write short answers to any SIX parts.**

12

- (i) How would you compare asynchronous and synchronous transmission?
- (ii) What are the two forms of data communication signals?
- (iii) How does data flow in half duplex mode?
- (iv) Why is RAM called volatile?
- (v) List out two types of buses.
- (vi) What is DMA?
- (vii) What is the use of general purpose registers?
- (viii) How would you compare relative and absolute referencing?
- (ix) How would you enter a formula in MS-Excel?

**4. Write short answers to any SIX parts.**

12

- (i) List four benefits of video conferencing.
- (ii) How computer can be useful in airline system?
- (iii) What do you know about robot?
- (iv) How can virus damage computer?
- (v) Why is data protection so important?
- (vi) Describe the term plug and play.
- (vii) Give two examples of GUI operating systems.
- (viii) Define the internet.
- (ix) How web pages are created?

**SECTION – II** Attempt any THREE questions. Each question carries 08 marks.

5. What is impact printer? Explain dot-matrix and daisy-wheel printers.

02,03,03

6. Define computer network. Discuss client-server and peer-to-peer network models.

02,03,03

7. What is the concept of encoding scheme? Explain any three coding schemes.

02,02,02,02

8. What is operating system? Discuss any six functions of operating system.

02,06

9. Give your opinion about data security. Discuss any six ways of security violations.

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