

# Generated Question Paper

## Question 1

- SUBJECTIVE QUESTION PAPER

- SECTION 1: SHORT QUESTIONS

- PART 1: (4x2=8 marks)

Choose any four questions from the following six:

1. What is the purpose of the 'head' section in an HTML document? Explain its importance.
2. Describe the differences between primary and secondary memory.
3. What is meant by 'parity bit'? Explain its significance in data storage.
4. Define 'flowchart' and explain its role in problem-solving.
5. What is the concept of 'prototyping' in software development? Explain its advantages.
6. Write a short note on the 'importance of encryption' in everyday life.

- PART 2: (4x2=8 marks)

Choose any four questions from the following six:

1. Define 'algorithm' and explain its significance in computer programming.
2. What is the purpose of the 'control unit' in a computer system? Explain its functions.
3. Describe the differences between 'volatile' and 'non-volatile' memory.
4. What is meant by 'ASCII code'? Explain its significance in text representation.
5. Write a short note on the 'importance of Boolean algebra' in computer science.
6. Define 'hyperlink' and explain its role in web development.

- PART 3: (4x2=8 marks)

Choose any four questions from the following six:

1. What is the concept of 'network of networks'? Explain its significance in modern communication.
2. Define 'cybercrime' and explain its different types.
3. Describe the differences between 'anchor' and 'hyperlink' in web development.
4. What is the purpose of the 'address bus' in a computer system? Explain its functions.
5. Write a short note on the 'importance of data privacy' in the digital age.
6. Define 'byte' and explain its significance in data storage.

- SECTION 2: LONG QUESTIONS

Choose any two questions from the following three:

1. **\*(8 marks)\*** Explain the concept of 'Divide and Conquer' strategy in problem-solving. Provide examples to illustrate its application.
2. **\*(8 marks)\*** Define 'computer network model' and explain its different layers. Choose any three layers and describe their functions.
3. **\*(8 marks)\*** Write a detailed note on the 'importance of encryption' in modern communication. Explain its role in ensuring data security and provide examples of its application.

- TIME ALLOWED: 2 HOURS 30 MINUTES