



General Instructions

- (i) The test is of 1 hour duration.
- (ii) The question paper consists of 50 questions. The maximum marks are 250.
- (iii) 5 marks are awarded for every correct answer, and 1 mark is deducted for every wrong answer.

1. Which switching technique is used in the Internet?

- (A) Circuit switching
 - (B) Packet switching
 - (C) Message switching
 - (D) Line switching
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2. Telephone conversation is an example of

- (A) Simplex
 - (B) Half duplex
 - (C) Full duplex
 - (D) Message switching
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3. Linear search works best on:

- (A) Sorted list only
- (B) Unsorted list

- (C) Binary tree
 - (D) Graph
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4. Which search method has logarithmic complexity?

- (A) Linear search
 - (B) Binary search
 - (C) Sequential search
 - (D) None
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5. Who developed Python programming language?

- (A) Dennis Ritchie
 - (B) James Gosling
 - (C) Guido van Rossum
 - (D) Bjarne Stroustrup
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6. Which keyword is used to define a function in Python?

- (A) function
 - (B) define
 - (C) def
 - (D) fun
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7. Which operator is used for logical AND?

- (A) &&
 - (B) and
 - (C) &
 - (D) AND
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8. Which one of the following is the Middle element index formula:

- (A) $(\text{low} + \text{high})/2$
 - (B) $\text{low} \times \text{high}$
 - (C) $\text{high} - \text{low}$
 - (D) low/high
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9. Which of the following is NOT an element of communication?

- (A) Sender
 - (B) Receiver
 - (C) Feedback
 - (D) Compiler
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10. Linear search is useful when:

- (A) Data is small
 - (B) Data is unsorted
 - (C) Both A and B
 - (D) None
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