1. The Huffman encoding is

A greedy technique | An encoding technique | A data compression technique | All of the above

2. What is the range of ASCII codes?

0-110 | 0-127 | 0-101 | 0-172

3. In variable length assignment, the most frequent characters gets the _____ code.

Smallest | Longest | Equal | None of the above

4. In variable size encoding, we arrange all the alphabets in _____ order of their count.

Increasing | Decreasing | Either of the above | None of the above

5. Which of these is the best approach for Huffman encoding?

Exhaustive search | Greedy method | Brute force algorithm | Divide and conquer approach

6. In Huffman encoding, the data in a tree always occur?

Root | Leaves | Left subtree | Right subtree

7. What is the time complexity of Huffman encoding algorithm?

O (n) | O (log n) | O (n log n) | None of the above

8. In variable length assignment, the least frequent characters gets the _____ code.

Smallest | Longest | Equal | None of the above

9. Suppose the message is 'BCCABBDDAECCBBAEDDCC'. What will be the cost of sending the message using ASCII encoding?

20 | 8 | 160 | 28

10. Suppose the message is 'BCCABBDDAECCBBAEDDCC'. In The smallest code should be assigned to ____ alphabet.

A | B | C | D

E

11. Suppose the message is 'BCCABBDDAECCBBAEDDCC'. In The longest code should be assigned to ____ alphabet.

A | B | C | D

E

12. Out of these methods, which one will have least cost?

ASCII encoding | Fixed size encoding | Variable size encoding | All will have same cost

13. Out of these methods, which one will have most cost?

ASCII encoding | Fixed size encoding | Variable size encoding | All will have same cost

14. Which data structure is used in Huffman encoding?

Stack | Graph | Min-heap | Max-heap

15. What is the time taken by min-heap for Huffman encoding?

O (n) | O (log n) | O (1) | None of the above

16. The Huffman encoding is

A greedy technique | An encoding technique | A data compression technique | All of the above

17. What is the time complexity of Huffman encoding algorithm?

(n) | (log n) | (n log n) | None of the above

18. Suppose the message is 'BCCABBDDAECCBBAEDDCC'. In The smallest code should be assigned to ____ alphabet.

A | B | C | D

19. Suppose the message is 'BCCABBDDAECCBBAEDDCC'. In The longest code should be assigned to ____ alphabet.

A | B | C | E

20. Which data structure is used in Huffman encoding?

Stack | Graph | Min-heap | Max-heap

21. What is the time taken by min-heap for Huffman encoding?

(n) | (log n) | (1) | None of the above