

Total No. of Questions-25

Roll No. :

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Total No. of Pages-2

Half Yearly Examination 2019-20

Class : 12

BSE-856

Subject : Information Technology and Programming-II

Time : 3.15 Hours

M.M. : 40

Note : (i) Candidate/Student write their Roll Number on the Question Paper Compulsory.

(ii) All Questions are Compulsory.

(iii) Marks of all questions are mentioned in front of the question.

(iv) Write all the Answer in the given Answer booklet at one place.

1. How many types of simple data structures are there? 1
2. What is an Array? 1
3. What is Inplace sorting? 1
4. Write the full name of 'LIFO'. 1
5. What is header linked-list? 1
6. What are tokens? 1
7. What are 'Expressions'? 1
8. What are 'Functions'? 1
9. What is 'Object'? 1
10. What is 'Hybrid Inheritance'? 1
11. What is an entity? 1
12. Write the prototype of the operator function? 1
13. Which is the best sorting algorithm and why? 1
14. What is the use of Data Structure? 2
15. Explain 'merge sorting' in detail? 2
16. Explain 'Friend function'? 2

PTO.

(2)

17. Explain 'Circular Queue' in detail? 2
18. Differentiate between single and double linked list. 2
19. Describe various types of looping statements. 2
20. Write a program to calculate the area of circle and area of rectangle using function overloading. 2
21. Explain and describe the different types of Attributes and Relationships in E-R diagrams along with their graphical representation. 2
22. Explain the classification of data type? 2
23. Describe a constructor with default argument. 3
24. Write a program to add two stringer by overloading Binary operator plus (+) using member function. 3
25. What is the effect of visibility mode in Inheritance. 3

BSE-856

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