Question Paper

Second Year Higher Secondary Examination

Part III

Subject : Computer Science

Max score:60.   Time:2 Hours

I.Answer any five questions from 1 to 6. Each carries one mark (5*1=5 marks)

1. The data type which is used to collection of logically related data elements………

2. Processing of each element in a data structure is known as…………..

3. The ……. Provides the facility to give hyperlinks.

4. …….. Is used to store the IP address of a web server connected to a domain.

5. The number of attributes /columns in a relation is called………..

6. ICT stands for………….

II. Answer any nine questions from 7 to 18. Each carries 2 marks (9x2 = 18)

7. What is nested structure? Mention an example?

8. List out the different operations on data structure?

9. Write an algorithm for push operation?

10. What are software ports? Give an example?

11. Differentiate between ordered and unordered list?

12. var x,y,z,;

   x="12";

   y=13;

   z=x+y;

   What will be the value of the variable z?

13.Define responsive web design?

14.Differentiate shared and dedicated hosting?

15.Explain any two aggregate functions?

16. Differentiate between char and varchar?

17.Write any two differences between serial computing and parallel computing?

18. List out any 4 applications of computational intelligence?

III answer any nine questions from 19 to 29 each carries three scores (9x3 =27)

19.Differentiate static memory allocation and dynamic memory allocation?

20.What is polymorphism?Name two types of polymorphism?

21.Write the basics structure of an HTML document?

22.What is hyperlink?Explain different types of hyperlinks?

23.Write HTML code to display the following list in a web page?

Common web browsers

- Firefox

- Chrome

- Opera

- Safari

24. Explain <script> tag and its attributes?

25.Classify the following values in JavaScript into suitable data types?

 "123","true", false, 67.4, 98, "hello"

26.What is data abstraction?Explain the different levels of data abstraction?

27. What are the components of SQL?

28.Differentiate echo and print statements in PHP?

29.Explain the three interactions in e-Governance?

IV answer any two questions from 30 to 32 each carries 5 marks (2x5 = 10)

30 a.List out the heading tags in HTML   (2)

    b. What are the attributes of body tag?   (3)

31. What are the advantages of DBMS (5)

32 a. WIPO stands for .... (1)

    b. What is EPS? (2)

    c.Explain any two e-learning tools? .. (2)