

**RAJA RAVI VARMA GIRLS HIGHER SECONDARY SCHOOL , KILIMANOOR**

**SECOND YEAR HIGHER SECONDARY PRE MODEL EXAM 2023**

**Computer Science**

**Maximum : 60 Scores**

**RRV GIRLS KILIMANOOR**

**Time: 2 Hours**

**Answer any 5 questions from 1 to 6 .Each carries 1 mark.**

**(5 x 1=5)**

1.As subscript is for array, \_\_\_\_\_ is associated with structure.

2.Port number of SMTP is \_\_\_\_\_.

3.Pick the odd one out.

(a) <BR> (b) <FORM> (c) <TABLE> (d) <UL>

4.Name an attribute of <SCRIPT> tag.

5.RDBMS stands for \_\_\_\_\_.

6.Unauthorised use of intellectual property right is called \_\_\_\_\_.

**PART-II**

**Answer any 9 questions from 7 to 18 .Each carries 2 marks.**

**(9 x 2=18)**

7.Define memory leak.

8.List any four advantages of cloud computing.

9.Compare static webpage and dynamic webpage.

10.List any four attributes of <BODY> tag.

11.Differentiate between <TD> and <TH> tag.

12.Explain any two built-in functions in javascript.

13.Name any two ways to add scripts in a webpage.

14.What is responsive web design?

15. Write the degree and cardinality of the following table.

Roll_no	Name
101	Arun
102	Sherin
103	Mahima

16. Differentiate between serial computing and parallel computing.

17. What is the difference between delete and drop command in SQL?

18. Explain any two cyber crimes against individuals.

### PART-III

Answer any 9 questions from 19 to 29. Each carries 3 marks.

(9 x 3 = 27)

19. Compare array and structure.

20. Explain the following

(a) Data Encapsulation (b) Polymorphism (c) Inheritance

21. Write the differences between GET and POST methods in form submission.

22. Write the HTML code to display the following list

Input devices
<input type="radio"/> Mouse
<input type="radio"/> Keyboard
<input type="radio"/> Scanner

23. Explain the data types in javascript.

24. Explain the different types of web hosting.

25. Explain any three values of Type attribute of <INPUT> tag.

26. Describe the three levels of abstraction in DBMS.

27. Define the terms

(a) Primary key (b) Foreign key (c) Alternate key

28. Write any three benefits of e-Governance.

29. Explain the various cyber crimes against property.

#### PART-IV

**Answer any 2 questions from 30 to 32 .Each carries 5 marks. (2 x 5=10)**

30.(a) Compare client side scripting and server side scripting. (3)

(b) Write an example for client side and server side scripting languages. (2)

31.(a) Write an algorithm to perform insertion operation in a queue. (3)

(b) List any four operations that can be performed on data structures. (2)

32. Consider the given table named Customer and write the output of the following SQL queries.

Acc_no	Name	Branch	Amount
1001	Kumar	Calicut	10000
1002	Salim	Trivandrum	20000
1003	Fida	Kottayam	18000
1004	John	Kannur	30000

(a) Select \* from Customer where Amount > 25000; (1)

(b) Select Name from Customer where Branch in('Calicut','Kannur'); (1)

(c) Select count(\*) from Customer where Amount < 20000; (1)

(d) Select Name from Customer where Name like '%m%'; (1)

(e) Select \* from Customer order by Amount desc; (1)

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