

II YEAR II SECOND TERM CS - ANSWER KEY [UNOFFICIAL]

Qn No: 1-6, Any 5, 5x1=5

- 1. (d) p=100
- 2. (d) HTML
- 3. <SELECT> Tag
- 4. onClick()
- 5. Cardinality
- 6. DROP TABLE

Qn. No: 7-18, Any 9, 9x2=18

7. Error: int m=1; Reason: Variable initialization inside the structure definition is not allowed.

8. QUEUE - INSERTION ALGORITHM

9. LINKED LIST: An example of compound linear and dynamic data structure. Collection of nodes. Each node consists of data part and link part.

10. Internal Linking: Link within the same document.
 Tag: <A> Tag. Attributes: Name, HREF.
External Linking: Link with another document.
 Tag: <A> (Anchor) Tag. Attributes: HREF

11: <DT> Tag: Definition Term <DD>: Definition Description

12: JavaScript Arithmetic Operators: +, -, *, /, %, ++, --

13 (a) isNaN(): To check "Is the character Not a Number?"
 (b) charAt(): Returns character at a position.

14. x = true; variable x becomes Boolean datatype
x = "true"; variable x becomes string datatype.

15. CMS is a web based s/w s/m which is capable of creating, administering and publishing websites. Provides an easy way to design and manage sites. It is free downloadable. Eg: WordPress, Drupal, Joomla

16: PRIMARY KEY: Uniquely identifies tuples within a table.
Foreign key: Primary key of another table.

17: DDL: To create, modify and remove database objects.
DCL: Used for controlling database. Eg GRANT, REVOKE

18: Aggregate Functions: SUM(), AVG(), MIN(), MAX(), COUNT()

QNo: 19 To 29, Any 9, 9x3=18

19(a) p = new int; (b) p = new int(99); (c) delete p;

20: Polymorphism: having many forms. 2 Types:
1: Compile Time (Static/Early binding): done at compilation
2: Run Time (Dynamic/Late binding): done at runtime.

21 (a): <INPUT TYPE="text" NAME="Name" SIZE="30"> [1 1/2]
(b): <INPUT TYPE="radio" NAME="Gender" VALUE="Male"
[1 1/2] <INPUT TYPE="radio" NAME="Gender2" VALUE="Female">

22: <FRAMESET>: Partitioning the browser window.
<FRAME>: defines the frames.

23: String Addition(+): To add 2 strings.
Eg: var x,y; x="How"; y="are you?"; alert(x+y); "How are you?"

24: Two control structures in JS: If, switch, for, while.

25: Web Hosting: Shared, Dedicated, Virtual Private Server

26: FTP client SW: Helps to transfer files to server from PC.
Eg: FileZilla, Cute FTP, Smart FTP

27: DBMS components: H/W, SW, Data, Procedures, Users.

28: (a) CREATE TABLE Student (RollNumber INT PRIMARY KEY, Name VARCHAR(20), Gender VARCHAR(5), Class VARCHAR(4), Total DECIMAL(5,2)); (b) SELECT * FROM Student; [1 1/2]

29 (1) Core - Integer, Float, Double, Boolean
Special - Null, Array, Object, Resource.

Qn: 30 To 32, Any Two, 5x2=10

30 (a): 3 <BODY> Tag - Attributes: bgcolor, text, link, alink, vlink [3]
(b): H₂SO₄ - H₂SO₄ [1]
(c): [1]

31 (a): <TABLE>, <TR>, <TH>, <TD> Tags [3]
(b): Tags, Attributes: start, type (Ordered)
 Tags, Attribute: type (Unordered) [2]

32 (a): 3 Advantages [3]
(b): SELECT, PROJECT, UNION, INTERSECTION, DIFFERENCE [2]
CARTESIAN PRODUCT. Any two.