XII CA March 2024 Single Page Answer Key Unofficial (SY 546)

1 Mark Answers 1 to 6 (any 5)

1. <<

2.9

3.<HR>

4. document.write()

5.DCL

6.Enterprice Resource Planning

2 Mark Answers7 to 18 (any 9)

7. a. 10

  b.20+30=50

8.a.Domain Name System

  b.53

9. **static web page** remain same all the time, no database,easy to create

dynamic web page content and layout change during run time,database is used.programming skill required (any point in each)

10.**Client Side** : Javascript,VB Script

Server side :PHP,ASP

11. text,password,radio,checkbox,submit, reset,button(any 4)

12. **String** : "Hello","True"

   Number : 125.0

   Boolean : false

13. **shared hosting**- many websites sharing single web server,RAM and CPU. Cheaper.

Dedicated hosting- a web server for a website, Expensive (any 1 point each)

14. **Responsive web design**: building websites that work on every device and every screen size using flexible layout, flexible images

15. Controlling Data redundancy,Efficient Data access Data Integrity,Data security,Sharing of data Enforcement of standards,Crash recovery (any 4 points)

16. a.The ability to modify the schema (structure) in one level without affecting next higher level is called **data independence**

   b.**Physical,Logical**

17. CHAR:Fixed memory Characters, to store strings.

VARCHAR:variable length strings, memory space for the data depends only on the actual data.

18. **SMS**:- It allows transferring short text messages containing up to 160 characters between mobile phones

3 Mark Answers19 to 29 (any 9)

19. **Jump statements**

• **goto** – transfer the program control to a label

• **break** –transfer the program control outside the loop

• **continue** - transfer the program to the next iteration

• **return** - come out of a function. (any 3)

20. a. **Array** is a collection of elements of same type , a[10]

   b. char NAME[25];

   c.char NAME[ ]= "sachin"; / or with size

21**. Call by Value**: a copy of value is passed. separate memory used to store parameters, changes made in the formal arguments do not reflect in actual

• **Call by Reference (&)** : a reference is Passed ,same memory used, changes made in the formal arguments affect in actual arguments

22. strlen() Finds length of string

   strcpy() Copy string to another string

   strcat() To append /join a string to another string

   strcmp() Compare strings

   strcmpi() Compare strings ignoring case. (any 3)

23.**Error** in Question /

   <OL>
   <LI>Cache</LI>
   <LI>RAM</LI>
   <LI>ROM</LI>
   </OL>

24. a. **<TD>** :To define Table data cells.

<TH> To define Table heading cells

b.Align,Valign,Bgcolor ,Colspan,Rowspan

25. a. charAt()

b.isNaN()

c.toUpperCase()

26**. SUM(**) - Total of the values in the column

 AVG( ) - Average of the values in the column

 MIN( ) - Smallest values in the column

MAX( ) - Largest of the values in the column

 COUNT( ) - Number of records in a column (any 3)

27.a. create table student (name char(20),rollno int,mark int)

   b.select name,rollno from student;

   c. select name,rollno from student where mark>600;

28. 1. Improved resource utilization

   2. Better Customer Satisfaction

   3. Provides Accurate Information

   4. Decision Making Capability

   5. Increased Flexibility

   6. Information Integrity (any3 with short note)

29. • Patents

   • Trademark

   • Industrial designs

   • Geographical indication

   • Copyright (any 3 with explanation)

5 Mark Answers30 to 32 (any 2)

30. a. initialisation: count =1;

   Test condition : count<=n;

   updation : count++;

   body of loop : sum= sum+count;   (2 marks)

b.   count =1;

     while(count<=n)

     {

     sum= sum+count;

     count++;

     }

     cout<<"Sum ="<<sum;   (3 marks)

31. <B>, <STRONG> ,<I> ,<EM> ,<U>,<S> and <STRIKE> <BIG> , < SMALL>,<SUB> , SUP>, <Q> <BLOCKQUOTE> (any 3 with usage : 3 marks)

b. (i) . H$_2$O   (1 mark)

   (ii) A^2 +2AB+B ^{2} (1 mark)

32 a. Degree =2 Cardinality =3 . (1 mark)

b. (i) **Football U Cricket**   (ii) **Football - Cricket**

Name	Age
Joseph	18
Anoop	17
Sachin	18
Fathima	18
Vivek	16

(2)

Name	Age
Joseph	18
Sachin	18

(2)