

Computer Application Model Exam 2024 Answer Key (SY 246)

----- 1 Mark Answers-----

1 to 6 (any 5)

- 1) continue
- 2) Null (/0)
- 3) ASP/PHP/JSP (any one)
- 4) string concatenation (+)
- 5) Create/Alter/Drop (any 1)
- 6) Odo

----- 2 Marks Answers-----

7 to 17 (any 9)

7. a) 3
b) $4+5 = 9$
8. built-in function: Functions that are already written
User defined function: Functions that are written by the user
9. a. Domain Name System
B)80
10. a.
 - for line break
b. <U> - Undeline
11. ordered list/unordered /definition (any 2)
12. alert(),isNaN(),toUpperCase(),toLowerCase(),
charAt()- (any 2)
13. CMS-content management system/definition
Eg: Drupal,Joomla,Wordpress (any 1)
14. a. **Responsive web design** is an approach to provide an optimal viewing experience in different sized screens.
b.Web hosts
15. Software ,Hardware ,Data ,Users, Procedures (any 4)
16. a. σ b. π c. U d. \cap
17. add column, modify column,
drop column or rename table. (any2)
18. SMS (Short Message Services):It is a text messaging service to exchange short messages upto 160 characters

----- 3 Marks Answers-----

19 to 29 (any 9)

19. a.loop inside another loop (1 mark)
- b.

```
for(i=1;i<=5;i++)
{
    for(j=1;j<=5;j++)
        cout<<i;
} any example
```
20. Good.
b.cin cannot accept whitespace, use gets/getline function
21. modular programming: large program is broken down into subprograms(Modules)
b. . Reduces the size of the program,Less chance of error occurrence
Reduces programming complexity,Improves reusability (any2)
22. a.check the given character is a digit or not
b.gives absolute value of a number
c.gives length of a string
23. <TH>- Table Heading
<TD>- Table Data
<TR> - Table Row (any 2)

24 a. <form> b.<input> c.<select>

25. Inside the <Head >section of HTML,
Inside <Body> Tag,
External JavaScript file,

26 .a. Distinct

b. UNIQUE PRIMARY KEY DEFAULT NOT NULL ,
AUTO_INCREMENT (any2)

27.a. **create table student(rollno int primary key,name varchar(20),mark int)**

b. select * from student

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

28. a.ERP combines all the requirements of a company and integrated to a central database so that various departments can share information

b. Product Life Cycle Management (PLM) . Customer Relationship Management (CRM)

Management Information System (MIS) . Supply Chain Management (SCM). Decision Support System (DSS) (any 2)

29. mobile operating system definition (2marks)

Eg:Android, IOS, Black Berry Black Berry, Windows Phone (any 1)

----- 5 Marks Answers-----

30 to 32 (any 2)

30. a.for,while (any 1)

b.conditional operator (?:)

c.

```
#include <iostream>
using namespace std;
int main()
{
    int a,b,c, sum;
    cout<<"Enter three numbers: ";
    cin>>a>>b>>c;
    sum=a+b+c;
    cout<<"Sum of numbers = "<<sum;
}
```

31. a) **Static web page** (3)

The content and layout of the web page is fixed,Static web page never use databases
Easy to develop,

Dynamic web page

The content and layout may change during run time,Database is used to generate dynamic web pages,Programming skills are needed

b) $x^3 + y^3$ (2 marks)

32. a. The ability to modify a schema at one level affecting the next higher level

b. **Physical,Logical**

c. Primary key :Regno

Degree: 5

Cardinality: 3

(3 marks)