

Computer Application March 2023 Final Exam Answer Key Unofficial (SY 546)

1 Mark Answers 1 to 6 (any 5)

1. +=, -=, *=, /=, %= (any 1)

2. abs

3. <select>

4. document.write/write /alert

5. Domain Name System

6. Management Information System

2 Mark Answers 7 to 18 (any 9)

7. String/Literal – “Morning”

Keyword – float

Operator - >

Identifier – student (all tokens are correct as per mal)

8. long, short, signed, unsigned

9. a. An array is a collection of same type of elements

b. int a[4]={1,2,3,4} (any array with 4 elements)

10. a) **strlen()**: used to find the length of a string

b) **strcpy()**: used to copy one string into another

c) **strcat()**: used to join one string into another string

d) **strcmp()**: used to compare two strings.

e) **stricmp()**: used to compare two strings ignoring cases. (any 2)

11. variables used in the

function call are **actual arguments**.

The variables used in the function definition

is **formal arguments**.

12. **dir**-specifies the direction of the text to be displayed

lang: specifies the language used within the document.

13. Specify the url/filename of a frame,

Used for dividing the browser window.

Limitation: Some browsers do not support frames,

(Any related points).

14. a. **border, bordercolor, align, bgcolor, background, Cellspacing, cellpadding, width, height, frame (any 2)**

b. **<tr>** - Table Row

<td> - Table Data

<th> - Table Heading (any 2)

15. **isNaN()**: check whether a value is number or not.

Number- convert string to number

16. **Primary key**: one of the candidate key chosen to be the unique identifier for a table .

Alternate keys: A candidate key that is not the primary key

17. **CHAR** is a fixed length character data type

VARCHAR represents variable length strings.

18. **Cyber Forensics**: It is the process of using scientific knowledge for identifying, collecting, analyzing and presenting evidence to the courts .

Infomania: It is the state of getting addicted with excess information online.

3 Mark Answers 19 to 29 (any 9)

19. Accessing each element of an array at least once is known as **traversal**. (1)

Each element in an array can be accessed using its position called **index number, in n[10] , starting index n[0] and**

20. a. The process of breaking large programs into smaller sub programs is called **modularization/modular programming**. (1)

b. 1) **Reduces the size of the program.**

2) **Less chance of error occurrence.**

3) **Reduces programming complexity**

4) **Improves reusability (2 marks)**

21. **Static web pages** 1. The content and layout is fixed, never use databases, easy to develop

Dynamic web pages

content and layout may change during run time, use databases requires programming skills

22. **Ordered list (<li**

2). Unordered list (<li

3). Definition List (<dl><dt><dd>) with short explanation

23. 1) **alert()**: display a message on the screen.

2) **isNaN()**: Used to check whether a value is number or not.

3) **toUpperCase()**: Converts a lowercase character to an upper

4) **toLowerCase()**: Converts an uppercase character to a lower

5) **charAt()**: gives the character at a particular position (any 3)

24. 1) **Shared Hosting**

2) **Dedicated Hosting**

3) **VPS (virtual Private Server) with explanation (3)**

25. **Data Independence**: The ability to modify the schema at one level without affecting the next higher level. (1)

a) **Physical Data Independence**

b) **Logical Data Independence (2 with explanation)**

26. **ALTER TABLE with ADD - add new columns**

ALTER TABLE with modify - modify column type

ALTER TABLE with rename – rename a table

ALTER TABLE with drop – delete a columns (any 3)

27. (i) **Constraints**: rules applies on data that are entered into the column. (1)

(ii) 1) **NOT NULL**, 2) **AUTO_INCREMENT** 3) **UNIQUE**:

4) **PRIMARY KEY**, 5) **DEFAULT (any 2 with usage)** (2 marks)

28. 1. Improved resource utilization 2. Better Customer Satisfaction 3. Provides accurate information 4. Decision making capability 5. Increased flexibility 6. Information Integrity (any 3)

29. **copyright** : legal right given to the creators for an original work, for a limited period of time.

Patent: exclusive right granted for an invention.

Infringement : Unauthorized use of intellectual property rights

5 Mark Answers 30 to 32 (any 2)

30. **Looping Statements**: repeatedly execute some codes based on condition . (1)

b) **for, while, do while (with short note) (2 marks)**

c). **initialization , test_expression; updation, loop body statements (2)**

31. **Client side Scripting Server side scripting (2 mark)**

Client side Script: java script , vb script

Server side : ASP, PHP, JSP (any 2 in each with note)

32. **DBMS** organized collection of data and set of programs (1)

b. Reduce data redundancy, Avoid data inconsistency , Data Sharing,, Better data security,. Data integrity Efficient data access (any 4)