

Govt Public Examination - 2021

class: 12th. (Answer Key).

Subject: Computer applications.

Part - I.

- 1) (a) Apple Inc.
- 2) (b) Select
- 3) (d) echo
- 4) (b) break.
- 5) (d) 54321
- 6) (b) mysqli - close("connection object");
- 7) (b) cells.
- 8) (a) 128
- 9) (b) RJ21.
- 10) (b) File
- 11) (b) Small and Medium-Sized Enterprises.
- 12) (b) Debit Card - Pay Now.
- 13) (b) ICANN
- 14) (a) Phishing.
- 15) (b) function.

Part - II.

16) Audio file formats:

- * WAV (Waveform Audio File Format)
- * MP3. (MPEG Layer-3 Format)
- * OGG.

- * AIFF (Audio Interchange File Format)
- * WMA (Windows Media Audio)
- * RA (Real Audio Format)

17) Cardinality in Database Management System:

* It is defined as the number of different values in any given table column.

* ~~It~~ It is defined as the number of items that must be included in a relationship.

18) * Calling function is another name for executing the function.

* A function is called simply by using the function name, along with an argument list, as a statement.

* Syntax:

functionName();

(or)

functionName(argument list);

19) Common uses of computer network:

* Communication.

* Resource sharing.

* Information sharing.

20) NS2:

* Abbreviation: NETWORK SIMULATOR. Version:

* OTCL & C++ used to create and

run NS2.

21) DDL & DML Commands.

DDL Commands

CREATE

DROP.

DML Commands.

INSERT

DELETE

Syntax:

CREATE database databasename;

DROP database databasename;

Syntax.

INSERT INTO tablename
VALUES (value1, value2);

DELETE from tablename
WHERE columnname = "value".

22) TCP/IP reference model layers:

* Network Access layer.

* Internet layer.

* Transport layer.

* Application layer.

23) while

* Entry-check Loop.

* Syntax:

```
while (condition)
{
    // code to be executed;
}
```

do-while

* Exit-check loop.

* Syntax:

```
do
{
    // code to be executed
} while (condition);
```

24) Syntax to open file function in PHP.

```
$file-object = fopen("FileName", "Read/Write  
Mode") or die("Error Message!");
```

Eg:

```
<?php.
```

```
$myfile = fopen("student.txt", "r") or die("Unable to open file!");
```

```
?>
```

part - II.

25) * Delivery Notes .

* Invoices.

* Purchase.

* Orders.

* Advance ship Notice.

26) B2B module:

* Commercial transactions take place between different business organizations, through the Internet

* Eg.

- A cycle company may buy tyres from another company for their cycles.

* advantage: discounts on bulk

purchases.

27) E-Commerce security threats:

* Information leakage:

. This intercepting and stealing of online documents is called information leakage.

* Typopiracy:

. It is a variant of cyber squatting.

(Eg) www.goggle.com.

www.faceblook.com.

28) Null Modem Cable:

* A cable interconnecting two devices directly.

* RS-232 cable is also used for interconnecting two computers without modem.

29) Rejoin split blocks:

(i) Place the cursor on the bottom handle of the second text block, click and drag the bottom handle up to the top.

(ii) Then place the cursor on the bottom handle of the first text block, and click and drag the bottom handle down if necessary.

30) Stored Value Card and its types:

* It is a type of debit card.

* It is a pre-loaded with certain amount (value), with which a payment is made.

* Types:

- 1) closed loop (single purpose).
- 2) Open loop (multipurpose).

31) Various layers of EDI:

- * Semantic layer.
- * Standards translation layer.
- * Transport layer.
- * Physical layer.

32) MySQLi Connection Syntax:

Syntax:

```
mysqli_connect("Server-Name", "User-Name",  
"Password", "DB-Name");
```

Eg.

```
$conn = mysqli_connect($servername,  
$username, $password, $dbname);
```

33) Output:

a = 10

b = 20

c = 30.

Part-IV.

34(a) steps to draw a star using polygon tool:

- * click polygon tool from toolbox.
- * cursor changes to crosshair.
- * click & drag.
- * choose Element > polygon settings in the menu bar.

* Appear dialogue box.

* Type 5 for Number of sides.

* Type 50% in star inset textbox.

* click ok.

34(b) Types of EDI:

* Direct EDI.

* EDI Via VAN.

* EDI Via FTP / VPN, SFTP, FTPS

* Web EDI

* Mobile EDI

35)(a) Components in Ethernet Cabling:

- * Patch cable (Twisted pair).
- * RJ45 Connector.
- * Ethernet Ports.
- * Crimping tool.

35(b) Open Source & Proprietary Software

- | | |
|--|---|
| <u>Open Source Software</u> | <u>Proprietary software.</u> |
| * developed and tested through open collaboration | * It is solely owned by the individual. |
| * We can access, inspect, modify & redistribute the source code. | * Owner or publisher holds the legal property rights. |

* Eg. Android, Firefox

* Eg. Windows, macOS.

36)(a) Basic Concepts of E-R model.

- * Entity or Entity type
- * Attributes.
- * Relationship.

36) (b) DNS working:

- (1) User enters the URL in the browser.
- (2) IP address is found in the cache.
- (3) Each resolver has its own cache.
- (4) At last the mapping and the resolved IP address are returned.
- (5) Resolver returns the process back to the Computer browser.

38) (a) Production team and their responsibilities

- (1) Production manager.
- (2) Computer Programmer.
- (3) Computer Architect.
- (4) Multimedia Architect.
- (5) Web master.
- (6) Content specialist.
- (7) Script writer.
- (8) Text editor.
- (9) Audio & Video specialist.

38) (b) for loop:

It is used to iterate the statements

with suitable conditions in given number of times.

Syntax.

```
for (initialization; condition; increment/decrement)
```

```
{  
  // code to be executed;  
}
```

}

Eg:

```
<?php
```

```
for ($i = 1; $i <= 5; $i++).
```

```
{  
  echo $i . "<br>";  
}
```

```
}
```

```
?>
```

Output:

1

2

3

4

5

37)(b) User defined function:

* Create functions ourself..

* It define by using the 'function'

keyword'

* Syntax:

function functionName ([parameter list]).

{

//

Code to be executed.

}

* Example:

<?php.

function Datainput()

{

echo "student details Inserted successfully"

}

Datainput();

?>

37) (a) Authentication protocols:

* It is a type of computer communications protocol.

* It is designed for transfer of data between two entities.

* Types:

- 1) Kerberos
- 2) Lightweight directory Access Protocol
- 3) OAuth2
- 4) SAML
- 5) RADIUS.


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