

TS12CA

Tenkasi District
First Revision Examination - 2024



Standard 12
COMPUTER APPLICATIONS
Part - I

Time: 3.00 Hours

Marks: 70

Choose the correct answer

15x1=15

- 1) Which of the following is a raster image file format?
a) JPEG b) EPS c) CDR d) SVG
- 2) Character formatting consists of which of the following text properties?
a) Bold b) Italic c) underline d) All of these
- 3) Tables in RDBMS are called?
a) Records b) relationship c) attributes d) models.
- 4) Which operator is called "identical"?
a) = b) == c) === d) < >
- 5) How many types of arrays are there in PHP?
a) 2 b) 3 c) 4 d) 5
- 6) Which of the following is used to terminate the switch statement?
a) return b) continue c) goto d) break
- 7) Which of the following is not a type of loop statement in PHP?
a) for b) if . . . else c) while d) do . . . while
- 8) How many parameter are required for MySQLI connect function in PHP?
a) 2 b) 3 c) 4 d) 5
- 9) Which among them was challenging to the business people on computer networking
a) Hacking b) viruses c) Both a and b d) None of this above
- 10) provides e-mail services
a) DNS b) TCP c) FTP d) SMTP
- 11) How many bits are used in the Ipv 6 addresses?
a) 32 b) 64 c) 128 d) 16
- 12) Which of the following connector is called as champ connector?
a) RJ11 b) RJ21 c) RJ 61 d) RJ45
- 13) Choose the correct pair from the following to build NS2
a) UNIX & TCL b) UNIX & a.C++ c) C++ & oTcl d) C++ & NS2
- 14) G2G system are classified into
a) internal facing and External facing b) Internet and Extranet
c) First wave and second wave d) Left facing and right facing
- 15) In E-commerce, when a stolen credit card is used to make a purchase it is termed as
a) Friendly fraud b) clean fraud
c) Triangulation fraud d) cyber squatting

Part - II

Answer any six of the following. Q.No. 24 is compulsory.

6x2=12

- 16) Define Animation
- 17) Differentiate Ellipse tool from Ellipse frame tool.
- 18) What is 'Echo' statement used for? Give an example.
- 19) What is If ...else statement in PHP?
- 20) Write any four generic top level Domain.
- 21) What is trace file?
- 22) Write a short note on out-sourcing.
- 23) Write any two EDI standards.

Tsl12CA

2

24) What will be the output for the following:

```

<?php $i = 1;
while ($i <= 5)
{
    echo $i,
    $i++;
}
?>

```

Part - III

Answer any six of the following. Q.No. 33 is compulsory.

6x3=18

- 25) List out video file formats.
- 26) Mention three tools in Pagemaker and write their keyboard shortcuts.
- 27) What are the features of PHP?
- 28) Write the syntax for an if ... elseif.....else statement in php.
- 29) Explain the difference between while loop and do . . . while loop in php.
- 30) Differentiate IPv4 and IPv6.
- 31) Write note on open source hardware.
- 32) Write a short note on the third wave of E-commerce.
- 33) What will be the output for the following.

```

<? php
$n=10;
if($n<5)
{
    echo "The number is less than 5"
}
elseif($n>5)
{
    echo "The number is greater than 5"
}
else
{
    echo "The number is equal to 5"
}
?>

```

Part - IV

Answer all the questions.

5x5=25



- 34) a) List the basic concepts of ER model with suitable example.
(OR)
- b) Explain the user - defined function with suitable examples.
- 35) a) Discuss in detail about HTML form controls.
(OR)
- b) Discuss in detail about MySQL functions with example.
- 36) a) Explain about social applications in computer network.
(OR)
- b) Discuss OSI model with its layers.
- 37) a) Explain the components used in Ethernet cabling.
(OR)
- b) Explain in detail. Unified payments interface.
- 38) a) Write about dimensions of E-commerce security
(OR)
- b) Briefly explain types of EDI.

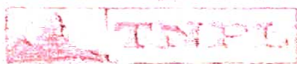
Computer Graphics - First Revision Examination - 2014
1st Computer Applications
Part - I

- 1. a) JPEG
- 2. d) all of these
- 3. b) relationship
- 4. c) ==
- 5. b) 3
- 6. d) break
- 7. b) is else
- 8. c) 4
- 9. c) Both a and b
- 10. d) SMTP
- 11. c) 128
- 12. b) RJ21
- 13. c) CH & OTCL
- 14. a) Internal Facing and External Facing
- 15. b) Clean Fraud

Part - II

- 16. Animation is the process of displaying still images so quickly so that they give the impression of continuous movement. - 2 marks
- 17.

Elliipse tool		+	Used to draw ellipses and circles
Elliipse Frame tool		+	Used to create elliptical place holders for text and graphics
- 18. The echo statement is used to output a string of text or a variable. It is a simple and efficient way to display information to the user. - 2 marks
Any Example - 2 marks
- 19. The if...else statement is a conditional statement in PHP. If the condition is true the true block is executed. If the condition is false then the false block is executed. - 2 marks



20. Com - Commercial Organization
 edu - Educational Institutions
 gov - Government (US)
 mil - military groups (Any 4)
 org - Non profit organization
 net - Networking
 info - Information service
 - 2 marks

21. A significant output of simulation is the Trace files (or)
 Trace files can document every incident that happened in the simulation
 - 2 marks

22. If a company's work is hired to another company, it would be termed as outsourcing
 - 2 marks

~~23. EDIFACT, ANSI X12~~

23. EDIFACT, ANSI X12
 - 2 marks

24. 1 2 3 4 5 (or) - 2 marks

Part-III

25. AVI - Audio/Video Interleave
MPEG - Moving picture Experts Group
WMV (Windows Media Video)
FLV (Flash Video) (Any 3) - 3 marks

26. Pointer tool F9 Ellipse tool Shift+F5
 Rotating tool Shift+F2 Poly on tool Shift+F6
 Line tool Shift+F3 Text tool Shift+Alt+F1
 Rectangle tool Shift+F4 Cropping tool - // // +F2
 (Any 3) - 3 marks

27. * Open Source Software * server side scripting language.
 * Pbt form independent
 * Database support - 3 marks

```

28. if (Condition 1)
{
// Code to be executed if Condition 1 is true;
}
else if (Condition 2)
{
// Code to be executed if Condition 2 is true and (if condition)
is false
}
else
{ // if all conditions are false
}
    
```

- 3 marks

29) While
Entry check loop

Syntax:
While (Condition)
{

// Code to be executed;
}

It is used to execute a block of code until a condition is true.

dowhile.

Syntax:
do
{

// Code to be executed;
} while (Condition);

The do-while loop is similar to the while loop except that the code block is always executed at least once even if the condition is false.

— 3 marks

30) IPV4

1. It is a 32 bit unique address given to a computer system.

2. The number of addresses that can be formed in IPV4 is 2^{32}

3) It is represented by binary, dotted decimal notation.

IPV6

It is a 128 bit unique address given to a computer system.

The number of addresses that can be formed in IPV6 is 2^{128} .

It is represented by 4 digit hexadecimal numbers separated by colon symbols.

— 3 marks

31) * The computers used by individuals or business organizations may have spy hardware of rivals.

* Open source hardware technology helps in such threat.

* In this technique we get the components of the hardware and its circuit diagram, so that we can remove suspicious spyware if found.

Example: Remix, Remake, Redistribute, Resell, Study and learn, ~~for~~, Remanufacture.

— (Any 3)

— 3 marks

32) * It is brought on by the mobile technologies.

* It connects users for real time and on-demand transactions via mobile technologies.

* The term Web 3.0, summarize the various characteristics of the future Internet which include

Artificial Intelligence, Semantic web, Genetk Database etc. — 3 marks

33) Error / (or) The number is greater than 5 — 3 marks

Part - IV

34) a) The basic concepts of ER model consists of

- 1. Entity or Entity Type
- 2. Attributes
- 3. Relation ship — 1 mark

Explain the above with suitable example. (or) — 4 marks

b) User defined function (definition)

Syntax:

Function call

Syntax:

Example: — 1 mark

35) a) Text inputs, Buttons, checkbox, Radiobox, file select Form tag. — 4 marks

b) my sql connect ()
my sql cbse ()
my sql query — 1 mark Explanation — 4 marks

36) a) Social application: frequent visits, Member ship, Relationship building, Content distribution. Explanation — 3 marks

b) Physical layer: Transport layer, Application layer, Data link, Session, Network, Presentation. Explanation — 3 marks

37) a) Patch cable, RJ45 connector, Ethernet ports, crimping tool. Explanation — 4 marks

b) UPI definition, Advantage.

38) a) Authenticity, Availability, Completeness, Confidentiality, Effectiveness, Integrity, Non-repudiation, Privacy, Reliability, Recoverability. 5 heading — 5 marks

b) Direct EDI, EDI via VAN, Web EDI, Mobile EDI, EDI via FTP/VPN, STTP, FTSP. — 5 marks