

# MIZAN\_TEPI UNIVERSITY IT MODEL EXAM

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## Question 1

### Question text

Hosts devices on a network are located by their IP address, but network interface card do not have IP addresses, it has MAC addresses instead so if you need to associate the IP address to a MAC address which protocol can be used?

a.

ARP

b.

SMTP

c.

UDP

d.

POP

The correct answer is: ARP

## Question 2

\_\_\_\_\_ is used to temporarily store data on the server so that it can be utilized on a variety of different websites.

a.

Cookie

b.

Session

c.

Array

d.

Structure

The correct answer is: Session

### Question 3

For which knowledge category/area does Work breakdown structures (WBS) Requirements analyses and Gantt chart tools and techniques used respectively?

a.

Integration management and time management

b.

Project scope management and Time management

c.

Communication management and Risk management

d.

Cost management and Quality management

The correct answer is: Project scope management and Time management

### Question 4

Which one is correct about Data Provider?

a.

Data provider enable to get access for the appropriate database

b.

System.Data.SqlClient allow us to get access for sql server database

c.

Data provider provide data from the file somewhere it is located

d.

System.Data.OleDb allow us to get access for OleDb database

The correct answer is: Data provider provide data from the file somewhere it is located

#### Question 5

Identify the wrong statement/s about Access Control Model

a.

In Access Control Matrix (ACM), Subject & object are represented by row and column respectively

b.

ACM has a drawback as matrix have many empty entries (take more space)

c.

ACM's drawback can be fixed by using Access Control Lists, as each object maintains a list of access rights of subjects.

d.

Access Control List is just decomposition of the matrix by rows while Capability List is decomposition of the matrix by column

The correct answer is:

Access Control List is just decomposition of the matrix by rows while Capability List is decomposition of the matrix by column

#### Question 6

Which one of the following is true statement about inheritance?

a.

A sub class can inherit all non-private members of its parent.

b.

A parent class can inherit all non-private members of its subclass.

c.

A sub class can have two or more immediate parent classes.

d.

A parent class cannot have two or more sub classes.

The correct answer is: A sub class can have two or more immediate parent classes.

#### Question 7

Among reference monitor properties which one aimed to enforce security rules on every access.

a.

Complete mediation

b.

Isolation

c.

Verifiability

d.

No read up

The correct answer is: Complete mediation

Question 8

a.

10

b.

20

c.

19

d.

9

The correct answer is: 19

Question 9

When the communication between two remote points is required to be established before sending actual data and error-checking mechanism is required for your communication which network protocol you will use?

a.

UDP

b.

TCP

c.

HTTP

d.

FTP

The correct answer is: TCP

Question 10

Question text

If you want media that propagate in the sky for travel signals for long distances broadcasting which transmission media will you use?

a.

Radio Wave

b.

Microwaves

c.

Infrared

d.

All

The correct answer is: Radio Wave

### Question 11

What command would be used to determine if a routing protocol-initiated relationship had been made with an adjacent router?

a.

ping

b.

show ip ospf neighbor

c.

show ip interface brief

d.

show ip protocols

The correct answer is: show ip ospf neighbor

### Question 12

\_\_\_\_\_ is commonly used to perform an immediate action when clicked.

a.

Exit

b.

Close

c.

End

d.

Button control

The correct answer is: Button control

#### Question 13

Assume you are a system developer, you develop such a good system but after deploying it, the users are not that much happy in the developed system. which activity of testing is missed according to this scenario?

a.

System testing

b.

Unit testing

c.

Acceptance testing

d.

Installation testing

The correct answer is: Acceptance testing

#### Question 14

How constructor can be used for a servlet?

a.

Initialization

b.

Constructor function



c.

Initialization and Constructor function

d.

Setup() method

The correct answer is: Initialization and Constructor function

#### Question 15

In the Project management knowledge area, one of the following is used to define and manage all the work required to complete the project successfully, which is it?

a.

Project time management

b.

Project scope management

c.

Project cost management

d.

Project risk management

The correct answer is: Project scope management

#### Question 16

Which steps occur when establishing a TCP connection between two computers using sockets?

a.

The server instantiates a ServerSocket object, denoting which port number communication is to occur on

b.

The server invokes the accept() method of the ServerSocket class. This method waits until a client connects to the server on the given port

c.

After the server is waiting, a client instantiates a Socket object, specifying the server name and port number to connect to

d.

All of the above

The correct answer is: All of the above

#### Question 17

Identify the three goals of a project in project management.

a.

Meet the budget

b.

Finish on schedule

c.

Generate deliverables that satisfy the client

d.

Planning

e.

all except D

f.

all except C

Your answer is correct.

The correct answer is:

all except D

#### Question 18

A cookie is created using the `setcookie()` function. Which parameter is mandatory.

a.

Name

b.

Value

c.

Expire

d.

Path

e.

Domain

f.

Secure

The correct answer is: Name

#### Question 19

It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the\_\_\_\_\_:

a.

Antivirus

b.

Firewall

c.

Cookies

d.

Malware

The correct answer is: Firewall

#### Question 20

One of the following is the correct way for referring multimedia graphics such as image that exists in drawable directory.

a.

R.drawable.R.File\_name

b.

File\_name.R.drawable

c.

R. File\_name.drawable

d.

R.drawable.File\_name

The correct answer is: R.drawable.File\_name

#### Question 21

Question text

\_\_\_\_\_ is a data storage system architecture that is commonly used in large organizations for better reliability and performance.

a.

ARIES

b.

RAID

c.

Two-phase commit

d.

All

e.

None

The correct answer is: RAID

Question 22

\_\_\_\_\_ is a contiguous reserved area in main memory available for storage of copies of disk blocks.

a.

Track

b.

Block

c.

Buffer

d.

All

e.

None

The correct answer is: Buffer

Question 23

If you need your app to take photos using the integrated smart phone camera, which one of the following way is preferred to use this feature?

a.

Service

b.

Intent

c.

Broadcast receiver

d.

View

The correct answer is: Intent

Question 24

Which one of the following state defines creating new instance of the MediaPlayer class?

a.

Prepared state

b.

Initialization state

c.

Idle state

d.

Completed state

The correct answer is: Idle state

Question 25

In which of the following attribute type the attribute value can be calculated from other related attribute?

a.

Simple Attribute

b.

Derived Attribute

c.

Multi-valued Attribute

d.

Composite Attribute

The correct answer is: Derived Attribute

Question 26

The traditional storage of data organized by the customer, stored in separate folders in filing cabinets is an example of \_\_\_\_\_ type of 'database' management system.

a.

Object-oriented database management system

b.

Relational database management system



c.

Network database management system

d.

Hierarchical database management system

The correct answer is: Hierarchical database management system

Question 27

Which one of the following is not true about immediate update?

a.

Changes made by that transaction are not recorded in the database.

b.

The new data is recorded in the database itself.

c.

On a system restart after a failure, redo committed changes from log.

d.

All

e.

None

The correct answer is: Changes made by that transaction are not recorded in the database.

Question 28

Question text

Which of these statements is truly acceptable?

a.

A precondition is an assertion guaranteed to be true when the activity or operation finishes

b.

A postcondition is an assertion guaranteed to be true when the activity or operation begins

c.

Trigger is an event that causes a use case to begin

d.

None

The correct answer is: Trigger is an event that causes a use case to begin

Question 29

\_\_\_\_\_ diagram describes the physical architecture of the hardware and software in the system and depicts software components, processors, and devices that make up the systems architecture?

a.

State

b.

Component

c.

Sequence

d.

Deployment

e.

Communication

The correct answer is: Deployment

Question 30

What is the function of OSPF hello packets?

a.

To send specifically requested link-state records

b.

To discover neighbors and build adjacencies between them

c.

To ensure database synchronization between routers

d.

To request specific link-state records from neighbor routers

Feedback

The correct answer is: To discover neighbors and build adjacencies between them

Question 31

Which principle object oriented programming is the mechanism that binds together code and the data it manipulates and keeps both safes from outside interference and misuse?

a.

Inheritance

b.

Polymorphism

c.

Encapsulation

d.

Abstraction

The correct answer is: Encapsulation

Question 32

In which one of the following cardinality, an occurrence in entity set A is associated with at most one occurrence in an entity set B, and an occurrence in B is associated with at most one occurrence in A.?

a.

One-to-many

b.

Many-to-one

c.

One-to-one

d.

Many-to-many

The correct answer is: One-to-one

### Question 33

One project is successful if the project is

a.

Met scope, time, and cost goals

b.

Satisfied the customer/sponsor.

c.

The results of the project met its main objective, such as making or saving a certain amount of money, providing a good return on investment, or simply making the sponsors happy

d.

All

The correct answer is: All

### Question 34

To remove all global session variables and destroy the session, we use fuction called\_\_\_\_\_

a.

`session_unset ()`

b.

`session_destroy ()`

c.

`session_close ()`

d.

session\_delete ()

e.

A and B

The correct answer is: A and B

#### Question 35

Which class is message that can be sent or received. If you send multiple packet, it may arrive in any order, Moreover, packet delivery is not guaranteed?

a.

DatagramPacket

b.

DatagramSocket

c.

Both A & B

d.

None of the above

The correct answer is: DatagramPacket