

## APTIMITHRA TEST - MERN(EFF2095) - ASSESSMENT 2 QUESTIONS

## Q01. Assessment

Three glasses of equal volumes contain acid mixed with water. The ratio of acid and water in these three glasses are 2 : 3, 3 : 4 & 4 : 5. Contents of these glasses are poured into a large vessel. What is the ratio of acid and water in the large vessel?

☐ 402 : 573☐ 402 : 543☐ None☒ 401 : 544

Explanation  
Not Available

## Q02. Assessment

In the following question, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four.

The speaker did not properly space out his speech, but went on \_\_\_\_\_ one point only.

(1) stressing (2) avoiding (3) devoting (4) decrying

☐ 4☐ 2☒ 1☐ 3

Explanation  
Not Available

## Q03. Assessment

Hamleys dip a large cube into violet colour tub and take it out and allows the paint to dry. Later he cuts it to obtain smaller and similar cubes. Find the number of cubes that have one face painted, if there are in total 343 smaller cubes?

☐ 216☐ 100☒ 150☐ 96

Explanation  
Not Available

## Q04. Assessment

If the first day of 2022 falls on Thursday, on which day will the Avataar movie release if it is scheduled to release after 730 days of Jan 01, 2022?

- ☐ Sunday
- ☒ Saturday
- ☐ Thursday
- ☐ Friday

Explanation  
Not Available

### Q05. Assessment

In the 3rd test match, the 5th day ends at 6 PM. At present India needs to survive 30 more minutes of the Australia's bowling attack, What is the angle between the two hands of the clock at this moment?

- ☐ 0 degree
- ☐ 3 degree
- ☒ 15 degree
- ☐ 5 degree

Explanation  
Not Available

### Q06. Assessment

A \_\_\_\_\_ is a device that forwards packets between networks by processing the routing information included in the packet.

- a) bridge
- b) firewall
- c) router
- d) hub

- ☐ B
- ☒ C
- ☐ A
- ☐ D

Explanation  
Not Available

### Q07. Assessment

We have to make it executable first by using \_\_\_\_, to run a script

- (A). chmod +w
- (B). chmod +r
- (C). chmod +x

(D). chmod +rwx

☒ C

☐ A

☐ D

☐ B

Explanation

Not Available

## Q08. Assessment

A container has 80 litres of milk. 20 litres is removed and replaced with water. 20 litres of this mixture is again removed and replaced with water 2 more times. How much water (in litres) is present in this drum now?

☐ 45

☒ 46.25

☐ 42

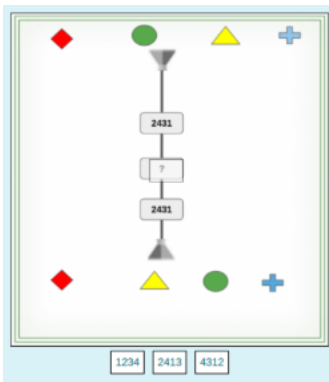
☐ 40

Explanation

Not Available

## Q09. Assessment

Select the right option that replaces ?



☐ 4312

☐ 3241

☒ 2413

☐ 1234

Explanation  
Not Available

### Q10. Assessment

In the relational table, which of the following can also be represented by the term "attribute"?

- A. Entity
- B. Row
- C. Column
- D. Both B & C

☐ D

☐ B

☒ C

☐ A

Explanation  
Not Available

### Q11. Assessment

Physical or logical arrangement of network is \_\_\_\_\_

- a) Topology
- b) Routing
- c) Networking
- d) Control



A



D



C



B

Explanation  
Not Available

## Q12. Assessment

Predict the output

```
a=10
```

```
echo "The value of \"a\" is $a"
```

A. The value of \"a\" is 10

B. The value of a is 10

C. The value of "a" is 10

D. The value of \ 10 is \$a



D



A



C



B

Explanation  
Not Available

## Q13. Assessment

Thanos cuts the magic cube 18 times. Find the maximum number of smaller cubes that could be obtained?



125



216



None



343

Explanation  
Not Available

## Q14. Assessment

Data in network layer is transferred in the form of \_\_\_\_\_

a) Layers

b) Packets

c) Frames

d) Bits

☐ C☐ A☐ D☒ B

Explanation  
Not Available

## Q15. Assessment

Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation?

A. DML(Data Manipulation Language)

B. Query

C. Relational Schema

D. DDL(Data Definition Language)

☐ B☐ A☐ C☒ D

Explanation  
Not Available

## Q16. Assessment

In order to maintain the price line, a trader allows a discount of 12 % on the marked price of goods in his shop. However, he still makes a gross profit of 32 % on the cost price. Find the profit percent he would have made on the selling price had he sold at the marked price.

☐ 40%☐ 33.33%☐ 38%☒ 50%

Explanation  
Not Available

## Q17. Assessment

Kernel is called \_\_\_\_\_

A. heart of OS

B. heart of computer

C. brain of OS

D. brain of computer

☐ C☐ B☒ A☐ D

Explanation  
Not Available

### Q18. Assessment

What is an external level also known as -

- A. Physical
- B. Logical
- C. View
- D. Rational

☐ A☐ D☒ C☐ B

Explanation  
Not Available

### Q19. Assessment

What is the need of shell scripting?

- A. To avoid repetitive work and automation
- B. System admins use shell scripting for routine backups
- C. System monitoring
- D. All of the above

☐ C☐ B☒ D☐ A

Explanation  
Not Available

### Q20. Assessment

The ability to query data, as well as insert, delete, and alter tuples, is offered by \_\_\_\_\_

- a) TCL (Transaction Control Language)
- b) DCL (Data Control Language)

- c) DDL (Data Definition Language)  
d) DML (Data Manipulation Language)

☒ D

☐ A

☐ B

☐ C

Explanation  
Not Available

## Q21. Assessment

The mean of 16 items was found to be 30. On rechecking, it was found that two items were wrongly taken as 22 and 18 instead of 32 and 28 respectively. Find the correct mean.

☒ 31.25

☐ 30.25

☐ None

☐ 33.33

Explanation  
Not Available

## Q22. Assessment

How many layers are there in TCP/IP?

A. 7

B. 6

C. 5

D. 4

☐ A

☐ B

☐ C

☒ D

Explanation  
Not Available

## Q23. Assessment

\_\_\_\_\_ schemas describe the structure of a database from a conceptual perspective.

A. Internal

B. Conceptual

C. External



D. None

☐ D

☐ A

☐ C

☒ B

Explanation  
Not Available

## Q24. Assessment

Veerappan, an industrialist sells two kinds of semiconductors : N-type and P-type. The N-type is sold at 30% profit and the P-type is sold at 50% profit. Veerappan has calculated that if he sells 100% more P-type than N-type, his overall profit will be 45%. However he ends up selling 50% more N-type than P-type. What is his overall profit ?

☐ 30%

☐ 20%

☒ 40%

☐ 25%

Explanation  
Not Available

## Q25. Assessment

The port number for SSL is \_\_\_\_

A. 413

B. 423

C. 433

D. 443

☐ A

☒ D

☐ C

☐ B

Explanation  
Not Available

## Q26. Assessment

One day Jackson starts travelling from X, he travels 7 km of a distance towards north, turns left and walks 4 km; again turns right and walks 3 km, finally turns right and walks 4 kms to reach the place Y. What is the distance between X and Y?

☐ 13 Km

☐ 10 Km

☒ 8 Km

☐ 2 Km

Explanation  
Not Available

## Q27. Assessment

In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is the answer. If a sentence is free from error, your answer is No error.

A city dweller finds it difficult (1)/ to pass away the time (2)/ in a village. (3)/ No error. (4)

A. 1 B. 2 C.3 D.4

☐ C

☒ B

☐ D

☐ A

Explanation  
Not Available

## Q28. Assessment

Dom Toretto in his super jet car goes for a long drive and covers a distance of 128m in 4 secs. The distance travelled (d) is directly proportional to the cube of time elapsed from the start. What is the distance covered in the 6th second?

☐ 192 m

☐ 170 m

☒ 182 m

☐ 186 m

Explanation  
Not Available

## Q29. Assessment

Choose a correct syntax of relational operators in shell scripting?

A. if( a == b)

B. if(a.equals(b))

C. if[\$a -eq \$b]

D. if[a -eq b]



C



A



B



D

Explanation  
Not Available

### Q30. Assessment

Which Schema is also known as Physical Schema?

- A. Internal
- B. Conceptual
- C. External
- D. None



C



B



D



A

Explanation  
Not Available

### Q31. Assessment

Predict the output

```
#!/bin/bash
var[1]=Welcome
var[2]=to
var[3]="shell scripting"
echo ${var[*]}
exit 0
```

- A . Welcome
- B . Welcome to shell
- C . Welcome to shell scripting
- D. Syntax error

☐ D

☐ B

☒ C

☐ A

Explanation  
Not Available

### Q32. Assessment

\_\_\_\_\_ is called operating system?

- A. link to interface the hardware and application programs
- B. collection of programs that manages hardware resources
- C. system service provider to the application programs
- D. all of the above

☒ D

☐ A

☐ C

☐ B

Explanation  
Not Available

### Q33. Assessment

Select the one that doesn't fit in the following group?



☐

C

☐

G

☐

A

☒

E

Explanation

Not Available

### Q34. Assessment

In the following questions, a sentence has been given in Direct/Indirect Speech. Out of the four alternatives suggested select the one which best expresses the same sentence in Indirect/Direct Speech.

"What a stupid fellow you are !" she remarked.

- (1) She exclaimed that what a stupid fellow he was.
- (2) She exclaimed that he was a very stupid fellow.
- (3) She exclaimed in disgust how he could be so stupid.
- (4) She asked him what a stupid fellow he was.

☐

4

☐

1

☒

2

☐

3

Explanation

Not Available

### Q35. Assessment

Which one is False?

- A. kernel is the program that constitutes the central core of the operating system
- B. kernel is made of various modules which can not be loaded in running operating system
- C. kernel is the first part of the operating system to load into memory during booting
- D. kernel remains in the memory during the entire computer session

☒

B

☐

A

☐

C

☐

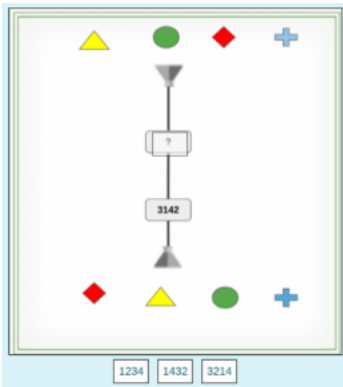
D

Explanation

Not Available

### Q36. Assessment

Select the right option that replaces ?



☒ 1432

☐ 3214

☐ 1234

☐ None

Explanation  
Not Available

### Q37. Assessment

In the following questions, a part of the sentence is given in bold. Below are given alternatives to the bold part at 1, 2 and 3 which may improve the sentence. Choose the correct alternative. In case no improvement is required your answer is 4

He suddenly struck **a note of discord** in his otherwise harmonious presentation.

(1) unhappiness (2) regret (3) anger (4) No improvement

☐ 2

☐ 3

☐ 1

☒ 4

Explanation  
Not Available

### Q38. Assessment

Johnson started travelling on his bike from his school's west direction towards a stationary shop which is 3 km away. Then he went on his bike straight towards his left to the house 4 km away. What is the crow flight distance from his school to the house?

☐ 7 Km

☒ 5 Km

☐ 1 Km

☐ 12 Km

Explanation  
Not Available

### Q39. Assessment

In the following questions, a sentence has been given in Active Voice/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.

Don't speak until someone speaks to you.

(1) Don't speak until you are spoken to

(2) Don't speak until someone is spoken to

(3) Don't speak until you have been spoken to

(4) Don't speak until someone has been spoken to

☒ 1

☐ 3

☐ 2

☐ 4

Explanation  
Not Available

### Q40. Assessment

Which of the following is used in the application programs to request data from the database management system?

- A. Data Manipulation language
- B. Data Definition Language
- C. Data Control Language
- D. All of the above

☐ D

☐ C

☐ B

☒ A

Explanation  
Not Available