Section 1

Question id : 147603  (Correct + 0.83 , Wrong - 0.28)

Series - 1000, 200, 40, ____

1. 20
2. 15
3. 8
4. 80

Question id : 147604  (Correct + 0.83 , Wrong - 0.28)

664, 332, 340, 170, ____ , 89

1. 85
2. 178
3. 170
4. 166

Question id : 147605  (Correct + 0.83 , Wrong - 0.28)

Fact 1: All dogs like to run, Fact 2: Some dogs like to swim, Fact 3: Some dogs look like their owners. In the first three statements are facts, which of the following statements must also be a fact: A. All dogs who like to swim look like their owners, B. Dogs who like to swim also like to run, C. Dogs who like to run do not look like their owners.

1. Only A
2. Only B
3. B and C
4. A and C

Question id : 147606  (Correct + 0.83 , Wrong - 0.28)
Series - 11, 12, 16, 25, 41, 66, ____

1. 87
2. 100
3. 108
4. 102

**Question id : 147607** (Correct + 0.83 , Wrong - 0.28)

How many triangles are there in the following figure?

How many triangles are there in the following figure?

1. 14
2. 13
3. 15
4. 16

**Question id : 147608** (Correct + 0.83 , Wrong - 0.28)

Four friends of Tenth grade were sharing a pizza. They decided that the oldest among them would get the extra piece. Suresh is two months older than Gagan, who is three months younger than Nand Kumar. Kishore is one month older than Gagan. Who should get the extra piece of pizza?

1. Suresh
2. Nand Kumar
3. Gagan
4. Kishor

**Question id : 147609** (Correct + 0.83 , Wrong - 0.28)

Shrikant is shorter than Nilima. Pratima is taller than Shrikant. Subhash is taller than Nilima but shorter than Meera. Nilima is taller than Pratima. Who will be in the middle if they stand in a row according to height?

1. Shrikant
2. Nilima  
3. Subhash  
4. Meera  

**Question id : 147610  (Correct + 0.83 , Wrong - 0.28)**

Given below are four figures out of which three are alike in some manner. Find that figure which differ from the rest of the figures?

![Figures A, B, C, D](image)

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

**Question id : 147611  (Correct + 0.83 , Wrong - 0.28)**

The following Pie Chart depicts the spending on sports by a country in a year. What percent of total spending is spent on Cricket?

![Pie Chart](image)

1. 0.81  
2. 0.405  
3. 0.225  
4. 0.25  

**Question id : 147612  (Correct + 0.83 , Wrong - 0.28)**

Car : Garage :: Aero plane : ?????
1. Port
2. Hanger
3. Depot
4. Harbor

**Question id : 147613**  (Correct + 0.83 , Wrong - 0.28)

Vishwanath Anand won the world chess title for how many times

1. 4
2. 3
3. 5
4. 2

**Question id : 147614**  (Correct + 0.83 , Wrong - 0.28)

Who was captain of IPL winner team 2012

1. Virat Kohli
2. Gautam Gambhir
3. M.S. Dhoni
4. Harbhajan Singh

**Question id : 147615**  (Correct + 0.83 , Wrong - 0.28)

Who won Santosh Trophy Football in 2012

1. Goa
2. Services
3. West Bengal
4. Tamil Nadu

**Question id : 147616**  (Correct + 0.83 , Wrong - 0.28)

The idea of India' is written by

1. Dilip D'Souza
2. Ram Chandra Guha
3. Sunil Khilnani
4. Santosh Desai

**Question id : 147617**  (Correct + 0.83 , Wrong - 0.28)

India's Foreign Secretary presently is

1. Veena Sikri
2. Hudar Ali
3. Ranjan Mathai
4. S.K. Sharma

**Question id : 147618  (Correct + 0.83 , Wrong - 0.28)**

Chief Election Commissioner of India

1. V.S. Sampath
2. S.Y. Qureshi
3. B.K. Jutshi
4. Sudhir Verma

**Question id : 147619  (Correct + 0.83 , Wrong - 0.28)**

The Governor of Uttarakhand is

1. Ram Naresh Yadav
2. V. Manchoo
3. B.L. Joshi
4. Aziz Qureshi

**Question id : 147620  (Correct + 0.83 , Wrong - 0.28)**

IMF present Chief is

1. Christina Lagrade
2. Camilla Gutt
3. Ivar Rooth
4. Rodrigo Rato

**Question id : 147621  (Correct + 0.83 , Wrong - 0.28)**

In May 2011, India and Russia conducted a joint armed exercise, in which more than 15,000 armed men participated. The name of the joint exercise was

1. Shakti Sambandh
2. Jai Ho
3. Vijay exercise
4. Vijayi Bhav

**Question id : 147622  (Correct + 0.83 , Wrong - 0.28)**

India's Cabinet Secretary is

1. Ajit Seth
What is big size of IPv6 addresses?

1. 16 bits
2. 32 bits
3. 64 bits
4. 128 bits

Which protocol does DHCP uses at the Transport Layer

1. UDP
2. IP
3. TCP
4. TRP

In a Network with 10 switches, how many root bridge(s) would be there?

1. One
2. Three
3. Five
4. Ten

CSMA/CD is a set of rules determining -

1. How two network devices are performing
2. How two network devices communicates with each other in a wireless network
3. How network devices respond when two devices attempt to use a data channel simultaneously
4. How network devices respond when two devices attempt to use a data channel separately

The dialogue control and token management are responsibly of, in OSI network architecture -

1. Network layer
2. Physical layer
3. Session layer
4. Data-link layer

**Question id : 147628**  (Correct + 0.83 , Wrong - 0.28)

What is (are) an advantage(s) of using Fibre optics data transmission?

1. Fast data transmission
2. Resistance to data theft
3. Low noise level
4. All the above

**Question id : 147629**  (Correct + 0.83 , Wrong - 0.28)

Which mode is operating when communication circuits allow transmit data in both directions but not at the same time?

1. A Half-Duplex Mode
2. A Simplex Mode
3. A Full-Duplex Mode
4. An Asynchronous Mode

**Question id : 147630**  (Correct + 0.83 , Wrong - 0.28)

Full form of MAC Address?

1. Machine Access Coding Address
2. Mode Access Control Address
3. Master Access Code Address
4. Media Access Control Address

**Question id : 147631**  (Correct + 0.83 , Wrong - 0.28)

How many layers does OSI network architecture has?

1. Five
2. Eight
3. Seven
4. Six

**Question id : 147632**  (Correct + 0.83 , Wrong - 0.28)

Class of IP address which provides a maximum of only 254 unique host addresses per network ID?
1. Class D
2. Class C
3. Class A
4. Class B

**Question id : 147633**  (Correct + 0.83 , Wrong - 0.28)

DNS is the abbreviation of -

1. Dynamic Name System
2. Domain Network Service
3. Domain Name System
4. Dynamic Network Service

**Question id : 147634**  (Correct + 0.83 , Wrong - 0.28)

Primary function of the network layer is?

1. Error detection
2. Routing
3. Setup a session
4. Encryption

**Question id : 147635**  (Correct + 0.83 , Wrong - 0.28)

The loss in signal power as light travels down the fibre is called?

1. Prorogation
2. Attenuation
3. Scattering
4. Interruption

**Question id : 147636**  (Correct + 0.83 , Wrong - 0.28)

Which of the following communications lines is best suited to interactive processing applications?

1. Narrow Band Lines
2. Simplex Lines
3. Full Duplex Lines
4. Mixed Band Lines

**Question id : 147637**  (Correct + 0.83 , Wrong - 0.28)

Layer-1 of the OSI model is?
1. Link Layer
2. Physical Layer
3. Presentation Layer
4. Session Layer

**Question id : 147638**  (Correct + 0.83 , Wrong - 0.28)

What is a Firewall in the Computer Network?

1. The Operating System of Computer Network
2. The Physical boundary of the Network
3. A system designed to prevent unauthorised access
4. A web browsing Software

**Question id : 147639**  (Correct + 0.83 , Wrong - 0.28)

IPv4 address is?

1. 8 bits
2. 16 bits
3. 32 bits
4. 64 bits

**Question id : 147640**  (Correct + 0.83 , Wrong - 0.28)

DHCP is the abbreviation of -

1. Dynamic Host Control Protocol
2. Dynamic Hyper Configuration Protocol
3. Dynamic Hyper Control Protocol
4. Dynamic Host Configuration Protocol

**Question id : 147641**  (Correct + 0.83 , Wrong - 0.28)

TCP / IP is?

1. One Protocol
2. Suite of Protocols
3. Application Package
4. Communication medium

**Question id : 147642**  (Correct + 0.83 , Wrong - 0.28)

For every IP address, Subnet Mask is?

1. Always required
2. Sometimes required  
3. Not required  
4. None of the above  

**Question id : 147643**  (Correct + 0.83 , Wrong - 0.28)  

With the class- 
A address of 10.0.0.0 and a subnet mask of 255.255.224.0, how many subnets can be created?  

1. 2048  
2. 2046  
3. 4096  
4. 4092  

**Question id : 147644**  (Correct + 0.83 , Wrong - 0.28)  

HOSTS file contains -  

1. IP addresses followed by comma and name to resolve  
2. Name to resolve followed by tab/space and IP addresses  
3. IP addresses followed by tab/space and name to resolve  
4. Name to resolve followed by comma and IP addresses  

**Question id : 147645**  (Correct + 0.83 , Wrong - 0.28)  

Data Moved across the network in manageable chunks of data is called?  

1. Headers  
2. Packets  
3. Records  
4. Packages  

**Question id : 147646**  (Correct + 0.83 , Wrong - 0.28)  

What is the standard subnet mask for a class A address?  

1. 255.255.0.0  
2. 255.255.255.0  
3. 255.255.255.255  
4. 255.0.0.0  

**Question id : 147647**  (Correct + 0.83 , Wrong - 0.28)  

Host(s) for which a network administrator should consider using manually assigning IP address -
1. Server
2. Printers
3. Routers
4. All the above

**Question id : 147648**  (Correct + 0.83 , Wrong - 0.28)

What does WINS stand for?

1. Windows Internet Name Standard
2. Windows Internal Name Service
3. Windows Internet Name Service
4. Windows Internal Name Standard

**Question id : 147649**  (Correct + 0.83 , Wrong - 0.28)

What does OSI stands for?

1. Open Standards Interconnection
2. Open Standards Internet
3. Open Standards Interdependence
4. Open Standards Interface

**Question id : 147650**  (Correct + 0.83 , Wrong - 0.28)

Can a Server be both an FTP Server and a Web Server?

1. No, it cannot be
2. Yes, it can be
3. Yes it can be, but technically it will work as either FTP or Web Server at a time
4. None of the above

**Question id : 147651**  (Correct + 0.83 , Wrong - 0.28)

What is the Standard HTTP port?

1. 80
2. 161
3. 21
4. 1024

**Question id : 147652**  (Correct + 0.83 , Wrong - 0.28)

Router is a device?

1. that generates protocols
2. that interconnects networks
3. that control the traffic on a network
4. that manages switches

Question id : 147653  (Correct + 0.83 , Wrong - 0.28)

IP address basically made up of which two parts?

1. Host and Server portion
2. Host and Network portion
3. Network and Server Portion
4. Network and address portion

Question id : 147654  (Correct + 0.83 , Wrong - 0.28)

If you use supernet mask 255.255.248.0, how many bits is IP is going to examine?

1. 7
2. 21
3. 14
4. 255

Question id : 147655  (Correct + 0.83 , Wrong - 0.28)

What does SMTP stands for?

1. Simplwe Mail Transaction Protocol
2. Simple Mail Toggle Protocol
3. Simple Mail Traffic Protocol
4. Simple Mail Transfer Protocol

Question id : 147656  (Correct + 0.83 , Wrong - 0.28)

Convert the following IPv4 address to an IPv6 address : 10.25.135.123

1. 0A15:877B
2. 1015:877A
3. 0A15:877A
4. 1015:877B

Question id : 147657  (Correct + 0.83 , Wrong - 0.28)

NAT application -

1. Translate the IP address of the sending host to another IP address
2. Does Encrypt of data stream
3. Does Network Administration
4. Does Decryption of data stream

**Question id : 147658  (Correct + 0.83 , Wrong - 0.28)**

ISDN Stands for -

1. Internet Digital Service Network
2. Integrated Service Digital Network
3. Integrated Systems Digital Network
4. Integrated Service Digital Naming

**Question id : 147659  (Correct + 0.83 , Wrong - 0.28)**

What is the name of the process that TCP uses to setup a connection -

1. Three-way handshake
2. Two-way handshake
3. Mono directional connection
4. None of the above

**Question id : 147660  (Correct + 0.83 , Wrong - 0.28)**

Which of the following statements is true for fibre optic cable?

1. Fibre optic cable transfers data in a mesh
2. Fibre optic cable transfers data in light form
3. Fibre optic cable are similar to coaxial cables
4. None of the above

**Question id : 147661  (Correct + 0.83 , Wrong - 0.28)**

How many characters does the hardware address contain?

1. 12 hexadecimal characters
2. 32 hexadecimal characters
3. 16 hexadecimal characters
4. 64 hexadecimal characters

**Question id : 147662  (Correct + 0.83 , Wrong - 0.28)**

What is the purpose of checksum?

1. It verifies the speed of data transfer
2. It verifies that the packet was received correctly
3. It verifies that the connection is stable
4. It verifies that right protocol is used

**Question id : 147663**  (Correct + 0.83, Wrong - 0.28)

What are way(s) to assign IP addresses to hosts?

1. Manually
2. Automatically
3. Both above
4. IP cannot be assigned to host

**Question id : 147664**  (Correct + 0.83, Wrong - 0.28)

When does a DHCP client renew the lease of an address?

1. After 25 percent of the lease has expired
2. After 50 percent of the lease has expired
3. After 75 percent of the lease has expired
4. It never renew the lease

**Question id : 147665**  (Correct + 0.83, Wrong - 0.28)

Which of these is responsible for the connection of Local Area Networks with Wide Area Networks?

1. Hub
2. Bridge
3. Switch
4. Gateway

**Question id : 147666**  (Correct + 0.83, Wrong - 0.28)

Headers of the packet includes -

1. Addressing and routing details
2. Network Name
3. Packet Name
4. Packet data contains

**Question id : 147667**  (Correct + 0.83, Wrong - 0.28)

In Circuit-switched network -

1. All data in communication takes separate path
2. All data in communication takes same path
3. All data in communication uses different medium to travel
What is function of router?

1. Packet filtering
2. Path Selection
3. Packet switching
4. All the above

Which of the these can used for Broadband communication channel?

1. Coaxial Cable
2. Fibre Optics Cable
3. Microwave circuits
4. All the above

Ping is -

1. Packet InterNet Graber
2. Packet InterNet Groper
3. Packet InterNet Google
4. Packet InterNet Gateway

What type of query does the client send to the DNS server?

1. A recursive query
2. An iterative query
3. A Simple query
4. None of these

Which application level Protocol run on the top of TCP/IP?

1. TELNET
2. FTP
3. SMTP
4. All the above
The relational model consists of:

1. Data redundancy
2. Unorganised data
3. Data in the form of tables
4. Operations using non-SQL languages

What is overall responsibility of DBA

1. Development Operation and maintenance of the database and its applications
2. Create and populate tables
3. Facilitate development of use of database
4. Both 1 and 3

Which advantages does a Distributed database has over a Centralised database?

1. Slow Response
2. Overall complexity
3. Modular Growth
4. Software Cost

Which of the following objects make up a relation?

1. Data types
2. Tuples
3. Attributes
4. Both 2 and 3

When user create views, they are part of which schema?

1. Virtual
2. Conceptual
3. External
4. Internal
A Key -

1. Can only be one column
2. Identifies a row
3. Must always composed of two or more column
4. Identifies a column

Question id : 147679  (Correct + 0.83 , Wrong - 0.28)

A stored program that is attached to a table or a view is called?

1. Embedded SELECT Statement
2. Trigger
3. System file
4. Virtual file

Question id : 147680  (Correct + 0.83 , Wrong - 0.28)

Which one of the following is used to limit column values of a table?

1. The CHECK constraint
2. The LIMIT constraint
3. The VALUE constraint
4. The SIZE constraint

Question id : 147681  (Correct + 0.83 , Wrong - 0.28)

When using cursors in embedded SQL, what is the first step you must take before you can retrieve data through that cursor?

1. Fetch the cursor
2. Declare the cursor
3. Close the cursor
4. Open the cursor

Question id : 147682  (Correct + 0.83 , Wrong - 0.28)

Locks which are placed by DBMS are called?

1. Shared locks
2. Exclusive locks
3. Implicit locks
4. Explicit locks

Question id : 147683  (Correct + 0.83 , Wrong - 0.28)
Which one is used to sort row in SQL?

1. SORT BY
2. GROUP BY
3. ALIGN BY
4. ORDER BY

Question id: 147684  (Correct + 0.83, Wrong - 0.28)

Which schema objects provide the basic unit of data management in the SQ environment?

1. Views
2. Domains
3. Base Tables
4. Character sets

Question id: 147685  (Correct + 0.83, Wrong - 0.28)

Which of the following is correct with respect to ODBMS?

1. They are overtaking RDBMS for all applications
2. They have the ability to store complex data types on the web
3. They are most useful for traditional database tables
4. All of the above

Question id: 147686  (Correct + 0.83, Wrong - 0.28)

Maintaining a separate copy of the database at multiple locations is?

1. Horizontal Partitioning
2. Data Replication
3. Vertical Partitioning
4. Horizontal and Vertical Partitioning

Question id: 147687  (Correct + 0.83, Wrong - 0.28)

Which Statement is correct for Triggers?

1. They are not created with SQL
2. They cannot cascade (cause other trigger to fire)
3. Execute against only some applications that access a database
4. They have an event, condition and action

Question id: 147688  (Correct + 0.83, Wrong - 0.28)
Out of these which one applies to a Class not on Object

1. Query  
2. Scope  
3. Update  
4. Constructor  

**Question id : 147689**  
(Correct + 0.83 , Wrong - 0.28)

Wildcard is used in WHERE clause when?

1. Exact match is not possible in a SELECT statement  
2. Exact match is necessary in a CREATE statement  
3. Exact match is not possible in a CREATE statement  
4. Exact match is necessary in a SELECT statement  

**Question id : 147690**  
(Correct + 0.83 , Wrong - 0.28)

Hiding the internal implementation details of an object is called?

1. Polymorphism  
2. Inheritance  
3. Encapsulation  
4. Pseudo Code  

**Question id : 147691**  
(Correct + 0.83 , Wrong - 0.28)

The example of embedded SQL is -

1. Hard Coded SQL statements in a procedure  
2. Hard Coded SQL statements in a trigger  
3. Hard Coded statement in a program language such as Java  
4. The process of making an application capable of generating specific SQL code on fly  

**Question id : 147692**  
(Correct + 0.83 , Wrong - 0.28)

Which one of these disk array type is capable of the fastest read/write time and most efficient data storage -

1. RAID-0  
2. RAID-1  
3. RAID-2  
4. RAID-3  

**Question id : 147693**  
(Correct + 0.83 , Wrong - 0.28)
Four built-in functions of SQL are -

1. COUNT, MIN, MAX, DIV
2. SUM, COUNT, MAX, MIN
3. SUM, MAX, NAME, AVG
4. COUNT, SUM, DIV, AVG

Problem arising from redundancy are addressed through the process called -

1. Data manipulation
2. Fragmentation
3. Decomposition
4. All the above

GRANT and REVOKE are -

1. Mandatory Access Control
2. Discretionary Access Control
3. Database Access Control
4. DBMS Access Control

Advantage(s) of placing computations in SQL views?

1. It save users from having to write an expression
2. It ensures results are consistent
3. Both 1 and 2
4. None of the above

In B+ tree search structure, the leaf node contains -

1. Search entries
2. Data entries
3. Tree entries
4. All the above
RAID Level-1 allows -

1. Block-Interleaved Parity
2. Mirroring
3. Stripping and Mirroring
4. Bit-Interleaved Parity

In RDBMS, relationship between tables are created by using?

1. Composite keys
2. Foreign keys
3. Candidate keys
4. Local keys

Which SQL statement will terminate a transaction?

1. SAVEPOINT
2. ROLLBACK
3. COMMIT
4. Both 2 and 3

Which type of condition join should you use if you want to return only matched rows?

1. Inner Join
2. Left Outer Join
3. Right Outer Join
4. Full Outer Join

Approach(es) to distributed DBMS?

1. Client-Server System
2. Collaborating Server
3. Middleware
4. All the above
Recovery in a distributed DBMS is achieved using?

1. Commit Protocol
2. Revoke Protocol
3. Un-Commit Protocol
4. None of the above

Question id : 147704  (Correct + 0.83 , Wrong - 0.28)

The discretionary access control allows -

1. Users to have privileges to access or modify objects in the database
2. Users can grant their privileges to other users
3. Users do not have control over any objects in the database
4. Both 1 and 2

Question id : 147705  (Correct + 0.83 , Wrong - 0.28)

A Trigger can be defined on how many tables?

1. Only One
2. One of More
3. One to Three
4. Any number of Tables

Question id : 147706  (Correct + 0.83 , Wrong - 0.28)

Which two operators can you use in a GROUP BY clause to return additional summary data in a query result?

1. ROLLUP
2. HAVING
3. CUBE
4. Both 1 to 3

Question id : 147707  (Correct + 0.83 , Wrong - 0.28)

A DBMS maintains information about the data in a special set of relations called -

1. The Catalog
2. The System Catalog
3. The data dictionary
4. All the above

Question id : 147708  (Correct + 0.83 , Wrong - 0.28)
SELECT CUSTOMER_T.CUSTOMER_ID, CUSTOMER_T.NAME, ORDER_T.ORDER_ID FROM CUSTOMER_T, ORDER_T WHERE CUSTOMER_T.CUSTOMER_ID = ORDER_T.CUSTOMER_ID - Which type of join is this?

1. Nature Join
2. Outer Join
3. Equi-Join
4. Cartesian Join

Question id : 147709  (Correct + 0.83 , Wrong - 0.28)

Locks which are placed by command are known as?

1. Implicit locks
2. Explicit locks
3. Exclusive locks
4. Shared locks

Question id : 147710  (Correct + 0.83 , Wrong - 0.28)

Which qualifier is used to remove duplicate rows from the results of SELECT statement?

1. SINGLE
2. DISTINCT
3. UNIQUE
4. ONLY

Question id : 147711  (Correct + 0.83 , Wrong - 0.28)

Three Tier architecture consists of -

1. Two clients layer and One Server layer
2. Three Server layer
3. A client layer and two server layer
4. Three client layers and three server layer

Question id : 147712  (Correct + 0.83 , Wrong - 0.28)

Which one is not advantage of stored procedure -

1. Increases network traffic
2. Allows Code sharing
3. Greater security
4. Optimise DBMS
The language used in application programs to request data from the DBMS is called

1. DML
2. DDL
3. Query Language
4. None of the above

A recursive relationship is a relationship between an entity and ______

1. Itself
2. an instance entity
3. other entity
4. subtype entity

Which SQL statement below is equivalent to: SELECT NAME FROM EMPLOYEE WHERE HOMETOWN='KA';

1. SELECT NAME IN EMPLOYEE WHERE HOMETOWN IN ('KA');
2. SELECT NAME IN EMPLOYEE WHERE HOMETOWN = 'KA'
3. SELECT NAME IN EMPLOYEE WHERE HOMETOWN = 'K'
4. SELECT NAME FROM EMPLOYEE WHERE HOMETOWN IN ('KA')

Which Statement to used to add Schema in SQL environment?

1. ADD SCHEMA
2. CREATE SCHEMA
3. INSERT SCHEMA
4. None of these

Which of the following types of constrains support NOT NULL constraints -

1. Table Constraints
2. Column Constraints
3. Domain Constraints
4. Assertions
On which types of database objects can you assign the TRIGGER privilege?

1. Tables
2. Views
3. Columns
4. Domains

Which set function should you use to add together the values in a column?

1. MAX
2. COUNT
3. SUM, MAX, NAME, AVG
4. AVG

Which type of join contains an ON clause?

1. Cross Join
2. Comma-Separated Join
3. Natural Join
4. Condition Join

Which statement can you use in embedded SQL to provide your host program with exception and warning information?

1. WHENEVER
2. INTO
3. CAST
4. WHENIT

Which statement do you use to invoke an SQL-invoked procedure?

1. RETURN
2. CALL
3. Setup a session
4. DECLARE