

# National Testing Agency

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## IT Fundamentals

<b>Group Number :</b>	1
<b>Group Id :</b>	603489259
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
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<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No

## IT Fundamentals-1

<b>Section Id :</b>	603489375
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	100
<b>Number of Questions to be attempted :</b>	100
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	603489699
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 60348918293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is the base of Hexadecimal Number system?

1. 2
2. 10
3. 16
4. 8

**Options :**

- 60348968909. 1
- 60348968910. 2
- 60348968911. 3
- 60348968912. 4

**Question Number : 2 Question Id : 60348918294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A computer program that converts one statement at a time into machine code is called a/an -----

1. Interpreter
2. Simulator
3. Compiler
4. Commander

**Options :**

60348968913. 1

60348968914. 2

60348968915. 3

60348968916. 4

**Question Number : 3 Question Id : 60348918295 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is used by the Third Generation of computers?

1. IC-Chip
2. Transistors
3. Vacuum tubes
4. Microprocessor chip

**Options :**

60348968917. 1

60348968918. 2

60348968919. 3

60348968920. 4

**Question Number : 4 Question Id : 60348918296 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which among the following is an example for a universal gate?

1. AND
2. OR
3. NOT
4. NAND

**Options :**

60348968921. 1

60348968922. 2

60348968923. 3

60348968924. 4

**Question Number : 5 Question Id : 60348918297 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Time taken to move from one cylinder of a Hard disk drive to another is called -----

1. Transfer rate
2. Seek time
3. Latency
4. Roundtrip time

**Options :**

60348968925. 1

60348968926. 2

60348968927. 3

60348968928. 4

**Question Number : 6 Question Id : 60348918298 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following device can store less amount of data?

1. Floppy disk
2. Hard disk
3. Zip disk
4. CD-ROM

**Options :**

60348968929. 1

60348968930. 2

60348968931. 3

60348968932. 4

**Question Number : 7 Question Id : 60348918299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

An example for primary memory is ----

1. RAM
2. CD
3. Hard Disk
4. Floppy Disk

**Options :**

60348968933. 1

60348968934. 2

60348968935. 3

60348968936. 4

**Question Number : 8 Question Id : 60348918300 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

1 Gigabyte is equivalent to -----

1. 1024 Mega Bytes
2. 1024 Kilo Bytes
3. 1024 Bytes
4. 1024 Giga Bytes

**Options :**

60348968937. 1

60348968938. 2

60348968939. 3

60348968940. 4

**Question Number : 9 Question Id : 60348918301 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which among the following is the fastest memory?

1. CD
2. Hard Disk
3. RAM
4. Registers

**Options :**

60348968941. 1

60348968942. 2

60348968943. 3

60348968944. 4

**Question Number : 10 Question Id : 60348918302 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the Unicode version has the representation of Indian rupee?

1. Unicode 5.1
2. Unicode 5.2
3. Unicode 6.0
4. Unicode 6.2

**Options :**

60348968945. 1

60348968946. 2

60348968947. 3

60348968948. 4

**Question Number : 11 Question Id : 60348918303 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

How many digits are present in Octal number system?

1. 10
2. 16
3. 15
4. 8

**Options :**

60348968949. 1

60348968950. 2

60348968951. 3

60348968952. 4

**Question Number : 12 Question Id : 60348918304 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

How many characters can ASCII represent?

1. 314
2. 100
3. 59
4. 128

**Options :**

60348968953. 1

60348968954. 2

60348968955. 3

60348968956. 4

**Question Number : 13 Question Id : 60348918305 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is commonly referred to as the brain of the computer?

1. Storage
2. ALU
3. CPU
4. CU

**Options :**

60348968957. 1

60348968958. 2

60348968959. 3

60348968960. 4

**Question Number : 14 Question Id : 60348918306 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is the product of data processing?

1. Result set
2. Output
3. Data
4. Information

**Options :**

60348968961. 1

60348968962. 2

60348968963. 3

60348968964. 4

**Question Number : 15 Question Id : 60348918307 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



The ----- holds the memory location of data that needs to be accessed.

1. MAR
2. MBR
3. PC
4. CPU

**Options :**

60348968965. 1

60348968966. 2

60348968967. 3

60348968968. 4

**Question Number : 16 Question Id : 60348918308 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

MIMD stands for -----

1. Multiple Instruction stream, Multiple Data stream
2. More Instruction set, More Data set
3. Many Instruction stream, Many Data stream
4. Many Information, More Data

**Options :**

60348968969. 1

60348968970. 2

60348968971. 3

60348968972. 4

**Question Number : 17 Question Id : 60348918309 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A bit pattern used to modify another bit pattern is called

1. Mask
2. Carry
3. Float
4. Byte

**Options :**

60348968973. 1

60348968974. 2

60348968975. 3

60348968976. 4

**Question Number : 18 Question Id : 60348918310 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The ALU of a computer normally contains a number of high-speed storage element called -----

1. Semiconductor memory
2. Registers
3. Hard disk
4. Magnetic disk

**Options :**

60348968977. 1

60348968978. 2

60348968979. 3

60348968980. 4

**Question Number : 19 Question Id : 60348918311 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A collection of wires that connects several devices is called -----

1. Link
2. Bus
3. Cable
4. Port

**Options :**

60348968981. 1

60348968982. 2

60348968983. 3

60348968984. 4

**Question Number : 20 Question Id : 60348918312 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

-----is a method that allows an input/output (I/O) device to send or receive data directly to or from the main memory, bypassing the CPU to speed up memory operations.

1. DMA
2. Interrupt driven I/O
3. Programmed I/O
4. Serial I/O

**Options :**

60348968985. 1

60348968986. 2

60348968987. 3

60348968988. 4

**Question Number : 21 Question Id : 60348918313 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The process of copying data to the memory location is called -----

1. Reading
2. Writing
3. Controlling
4. Booting

**Options :**

60348968989. 1

60348968990. 2

60348968991. 3

60348968992. 4

**Question Number : 22 Question Id : 60348918314 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Computer or system peripherals that receives data from the users are called -----

1. Input devices
2. Receiver
3. Pre-printed documents
4. Analogue devices

**Options :**

60348968993. 1

60348968994. 2

60348968995. 3

60348968996. 4

**Question Number : 23 Question Id : 60348918315 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- is a program that interfaces between users and hardware devices.

1. Driver
2. Software
3. Hardware
4. Controller

**Options :**

60348968997. 1

60348968998. 2

60348968999. 3

60348969000. 4

**Question Number : 24 Question Id : 60348918316 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is not an input device?

1. Mouse
2. Printer
3. Scanner
4. Keyboard

**Options :**

60348969001. 1

60348969002. 2

60348969003. 3

60348969004. 4

**Question Number : 25 Question Id : 60348918317 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- keys are present on the top row of the keyboard.

1. Function
2. Type writer
3. Numeric
4. Navigation

**Options :**

60348969005. 1

60348969006. 2

60348969007. 3

60348969008. 4

**Question Number : 26 Question Id : 60348918318 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is capable of recognizing a pre-specified type of mark by pencil or pen?

1. OMR
2. Winchester
3. Bar code reader
4. Image Scanner

**Options :**

60348969009. 1

60348969010. 2

60348969011. 3

60348969012. 4

**Question Number : 27 Question Id : 60348918319 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Monitor and speaker are the examples of -----

1. Reading devices
2. Light devices
3. Input devices
4. Output devices

**Options :**

60348969013. 1

60348969014. 2

60348969015. 3

60348969016. 4

**Question Number : 28 Question Id : 60348918320 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The category of output that the printer falls under ----

1. Hard copy
2. Modem
3. Tape
4. Soft copy

**Options :**

60348969017. 1

60348969018. 2

60348969019. 3

60348969020. 4

**Question Number : 29 Question Id : 60348918321 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Dot-matrix, Inkjet and Laser are all types of which computer peripherals?

1. Printers
2. Software
3. Monitors
4. Keyboards

**Options :**

60348969021. 1

60348969022. 2

60348969023. 3

60348969024. 4

**Question Number : 30 Question Id : 60348918322 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Computer output which is printed on paper and is tangible is known as ----

1. Hardware
2. Hard copy
3. Document
4. Result

**Options :**

60348969025. 1

60348969026. 2

60348969027. 3

60348969028. 4

**Question Number : 31 Question Id : 60348918323 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



GUI stands for -----

1. General User Interface
2. Graphical User Interpreter
3. General Usage Interpreter
4. Graphical User Interface

**Options :**

60348969029. 1

60348969030. 2

60348969031. 3

60348969032. 4

**Question Number : 32 Question Id : 60348918324 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The operating system of a computer serves as a software interface between the ----- and the hardware

1. Application Program
2. User
3. Memory
4. Screen

**Options :**

60348969033. 1

60348969034. 2

60348969035. 3

60348969036. 4

**Question Number : 33 Question Id : 60348918325 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- OS pays more attention on the meeting of the time limits.

1. Batch System
2. Single user system
3. Real time System
4. Multi user system

**Options :**

60348969037. 1

60348969038. 2

60348969039. 3

60348969040. 4

**Question Number : 34 Question Id : 60348918326 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The strategy of allowing processes that are logically runnable to be temporarily suspended is called -----

1. Pre-emptive scheduling
2. Non-pre-emptive scheduling
3. Shortest job first
4. First come first serve

**Options :**

60348969041. 1

60348969042. 2

60348969043. 3

60348969044. 4

**Question Number : 35 Question Id : 60348918327 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

To avoid the race condition, the number of processes that may be simultaneously inside their critical section is -----

- 1. 8
- 2. 1
- 3. 16
- 4. 0

**Options :**

60348969045. 1

60348969046. 2

60348969047. 3

60348969048. 4

**Question Number : 36 Question Id : 60348918328 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Inter process communication -----

- 1. is required for all processes
- 2. is usually done through disk drives
- 3. is never required
- 4. allows processes to synchronize activity

**Options :**

60348969049. 1

60348969050. 2

60348969051. 3

60348969052. 4

**Question Number : 37 Question Id : 60348918329 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A computer program is a collection of ----- that are carried out by the computer's CPU.

1. Instructions
2. Loops
3. Steps
4. Algorithms

**Options :**

60348969053. 1

60348969054. 2

60348969055. 3

60348969056. 4

**Question Number : 38 Question Id : 60348918330 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Out of the following, which is not a programming language?

1. Java
2. C++
3. Compiler
4. C

**Options :**

60348969057. 1

60348969058. 2

60348969059. 3

60348969060. 4

**Question Number : 39 Question Id : 60348918331 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The term ----- refers to statement that is written in a language the computer can understand.

1. Process
2. Syntax
3. Code
4. Algorithm

**Options :**

60348969061. 1

60348969062. 2

60348969063. 3

60348969064. 4

**Question Number : 40 Question Id : 60348918332 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The testing of software against SRS is called -----

1. Acceptance
2. Integration
3. Regression
4. Series

**Options :**

60348969065. 1

60348969066. 2

60348969067. 3

60348969068. 4

**Question Number : 41 Question Id : 60348918333 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The first step of the implementation phase is -----

1. Select the computer
2. Announce the implementation
3. Planning
4. Prepare physical facilities

**Options :**

60348969069. 1

60348969070. 2

60348969071. 3

60348969072. 4

**Question Number : 42 Question Id : 60348918334 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The system study yields the following -----

1. Requirement Specification
2. Process Description
3. Data source identification
4. Software analysis

**Options :**

60348969073. 1

60348969074. 2

60348969075. 3

60348969076. 4

**Question Number : 43 Question Id : 60348918335 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is not an example for application software?

1. Photoshop
2. Compiler
3. MS Word
4. Page Maker

**Options :**

60348969077. 1

60348969078. 2

60348969079. 3

60348969080. 4

**Question Number : 44 Question Id : 60348918336 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In computers, operating system and utility programs are examples of -----

1. System software
2. Device drivers
3. Application software
4. Customized software

**Options :**

60348969081. 1

60348969082. 2

60348969083. 3

60348969084. 4

**Question Number : 45 Question Id : 60348918337 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Translator for low level programming language were termed as -----

1. Loader
2. Linker
3. Assembler
4. Compiler

**Options :**

60348969085. 1

60348969086. 2

60348969087. 3

60348969088. 4

**Question Number : 46 Question Id : 60348918338 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The highest level in the hierarchy of data organization is called ----

1. Data bank
2. Data base
3. Data file
4. Data recorded

**Options :**

60348969089. 1

60348969090. 2

60348969091. 3

60348969092. 4

**Question Number : 47 Question Id : 60348918339 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



A table used by the operating system to list the attributes and disk addresses of the file's blocks is called -----

1. Address Table
2. Index Table
3. I-Node
4. File System Table

**Options :**

60348969093. 1

60348969094. 2

60348969095. 3

60348969096. 4

**Question Number : 48 Question Id : 60348918340 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In a hashed file organization, the address of each record is determined using -----

1. Index
2. Hashing Algorithm
3. Pointer
4. Chaining

**Options :**

60348969097. 1

60348969098. 2

60348969099. 3

60348969100. 4

**Question Number : 49 Question Id : 60348918341 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which language has recently become the defacto standard for interfacing application programs with relational database systems?

1. Oracle
2. SQL
3. dBASE
4. 4GL

**Options :**

60348969101. 1

60348969102. 2

60348969103. 3

60348969104. 4

**Question Number : 50 Question Id : 60348918342 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A data dictionary doesn't provide information about -----

1. The location of data
2. The size of the disk storage device
3. How data is used
4. Security and privacy limitations

**Options :**

60348969105. 1

60348969106. 2

60348969107. 3

60348969108. 4

**Question Number : 51 Question Id : 60348918343 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

DBMS Stands for -----

1. Data Blocking and Management System
2. Data Base Management System
3. Database Business Management System
4. Data Build Monitor System

**Options :**

60348969109. 1

60348969110. 2

60348969111. 3

60348969112. 4

**Question Number : 52 Question Id : 60348918344 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In SQL, the where clause is used to specify -----

1. the relation
2. the predicate
3. attributes of a relation
4. proposition

**Options :**

60348969113. 1

60348969114. 2

60348969115. 3

60348969116. 4

**Question Number : 53 Question Id : 60348918345 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

DBMS is a collection of ----- that enables user to create and maintain a database.

1. Keys
2. Translators
3. Program
4. Language activity

**Options :**

60348969117. 1

60348969118. 2

60348969119. 3

60348969120. 4

**Question Number : 54 Question Id : 60348918346 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- command can be used to delete a table.

1. Drop
2. Delete
3. Remove
4. Avoid

**Options :**

60348969121. 1

60348969122. 2

60348969123. 3

60348969124. 4

**Question Number : 55 Question Id : 60348918347 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

An object that contains one or more attribute that references another object is known as -----

1. Composite Object
2. Compound Object
3. Hybrid Object
4. Associative Object

**Options :**

60348969125. 1

60348969126. 2

60348969127. 3

60348969128. 4

**Question Number : 56 Question Id : 60348918348 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The point at which all the steps in a transaction have been recorded in the log is called -----

1. Commit point
2. Roll back point
3. Lock point
4. Transaction point

**Options :**

60348969129. 1

60348969130. 2

60348969131. 3

60348969132. 4

**Question Number : 57 Question Id : 60348918349 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

When a class serves as base class for many derived classes, the situation is called -----

1. Polymorphism
2. Hierarchical inheritance
3. Hybrid inheritance
4. Multipath inheritance

**Options :**

60348969133. 1

60348969134. 2

60348969135. 3

60348969136. 4

**Question Number : 58 Question Id : 60348918350 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Relations produced from an E-R model will always be in -----

1. First normal form
2. Second normal form
3. Third normal form
4. Fourth normal form

**Options :**

60348969137. 1

60348969138. 2

60348969139. 3

60348969140. 4

**Question Number : 59 Question Id : 60348918351 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The entity with a primary key is called -----

1. Entity itself
2. Strong entity
3. Weak entity
4. Owner entity

**Options :**

60348969141. 1

60348969142. 2

60348969143. 3

60348969144. 4

**Question Number : 60 Question Id : 60348918352 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The attribute AGE is calculated from DATE\_OF\_BIRTH. The attribute AGE is -----

1. Single valued
2. Multi valued
3. Composite
4. Derived

**Options :**

60348969145. 1

60348969146. 2

60348969147. 3

60348969148. 4

**Question Number : 61 Question Id : 60348918353 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The details of an entity in a relation are called -----

1. Row
2. Column
3. Value
4. Tuple

**Options :**

60348969149. 1

60348969150. 2

60348969151. 3

60348969152. 4

**Question Number : 62 Question Id : 60348918354 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The ----- key constraint uniquely identifies each record in a table.

1. Primary
2. Simple
3. Candidate
4. Parallel

**Options :**

60348969153. 1

60348969154. 2

60348969155. 3

60348969156. 4

**Question Number : 63 Question Id : 60348918355 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



Cardinality in relational data model is considered as -----

1. Total number of values
2. Limited number of values
3. Two numbers from the set
4. Three numbers from the set

**Options :**

60348969157. 1

60348969158. 2

60348969159. 3

60348969160. 4

**Question Number : 64 Question Id : 60348918356 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The command to remove rows from a table 'CUSTOMER' is -----

1. REMOVE FROM CUSTOMER ...
2. DELETE FROM CUSTOMER WHERE ...
3. DROP FROM CUSTOMER ...
4. UPDATE FROM CUSTOMER ...

**Options :**

60348969161. 1

60348969162. 2

60348969163. 3

60348969164. 4

**Question Number : 65 Question Id : 60348918357 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following are TCL commands?

1. UPDATE and TRUNCATE
2. SELECT and INSERT
3. GRANT and REVOKE
4. ROLLBACK and SAVEPOINT

**Options :**

60348969165. 1

60348969166. 2

60348969167. 3

60348969168. 4

**Question Number : 66 Question Id : 60348918358 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is a DDL command?

1. UPDATE
2. SELECT
3. ALTER
4. INSERT

**Options :**

60348969169. 1

60348969170. 2

60348969171. 3

60348969172. 4

**Question Number : 67 Question Id : 60348918359 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Most reliable topology is -----

1. Bus
2. Star
3. Ring
4. Mesh

**Options :**

60348969173. 1

60348969174. 2

60348969175. 3

60348969176. 4

**Question Number : 68 Question Id : 60348918360 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Protocol which is used to access webpages is -----

1. SMTP
2. HTTP
3. POP
4. DHCP

**Options :**

60348969177. 1

60348969178. 2

60348969179. 3

60348969180. 4

**Question Number : 69 Question Id : 60348918361 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- is an agreed upon format for transmitting data between two devices

1. Protopology
2. Protocol
3. Prototype
4. Promethod

**Options :**

60348969181. 1

60348969182. 2

60348969183. 3

60348969184. 4

**Question Number : 70 Question Id : 60348918362 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Example for unguided media is -----

1. Optical fibre cable
2. Twisted pair cable
3. Micro wave
4. Coaxial cable

**Options :**

60348969185. 1

60348969186. 2

60348969187. 3

60348969188. 4

**Question Number : 71 Question Id : 60348918363 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

STP stands for .....

1. Shielded Twisted Pair
2. Superior Twisted pair
3. Sheathed Twisted Pair
4. Special Twisted Pair

**Options :**

60348969189. 1

60348969190. 2

60348969191. 3

60348969192. 4

**Question Number : 72 Question Id : 60348918364 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The data rate of a coaxial cable is .....

1. 10 Mbps
2. 5 Mbps
3. 100 Mbps
4. 1 Mbps

**Options :**

60348969193. 1

60348969194. 2

60348969195. 3

60348969196. 4

**Question Number : 73 Question Id : 60348918365 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Radio waves are ----

1. Unidirectional
2. Omnidirectional
3. Bidirectional
4. Directional

**Options :**

60348969197. 1

60348969198. 2

60348969199. 3

60348969200. 4

**Question Number : 74 Question Id : 60348918366 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Line-of-sight propagation lies above -----

1. 3 KHz
2. 30 MHz
3. 15 MHz
4. 2 KHz

**Options :**

60348969201. 1

60348969202. 2

60348969203. 3

60348969204. 4

**Question Number : 75 Question Id : 60348918367 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Electromagnetic waves ranging in frequencies between 3 kHz and 1 GHz are called -----

1. High frequency
2. Infrared
3. Microwaves
4. Radio waves

**Options :**

60348969205. 1

60348969206. 2

60348969207. 3

60348969208. 4

**Question Number : 76 Question Id : 60348918368 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Google chrome is a ----

1. Operating System
2. Web browser
3. Search engine
4. Directory of images

**Options :**

60348969209. 1

60348969210. 2

60348969211. 3

60348969212. 4

**Question Number : 77 Question Id : 60348918369 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

IPv6 addresses have a size of ----- bits

1. 128
2. 64
3. 32
4. 256

**Options :**

60348969213. 1

60348969214. 2

60348969215. 3

60348969216. 4

**Question Number : 78 Question Id : 60348918370 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

To check to see if the Web server you are trying to reach is available or is down, which command line utility should you use?

1. PING
2. ICS
3. Telnet
4. NNTP

**Options :**

60348969217. 1

60348969218. 2

60348969219. 3

60348969220. 4

**Question Number : 79 Question Id : 60348918371 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



Example for communication tool is -----

1. E-mail
2. Forum
3. Social Networking
4. Video conferencing

**Options :**

60348969221. 1

60348969222. 2

60348969223. 3

60348969224. 4

**Question Number : 80 Question Id : 60348918372 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- E-learning method is created by combining the traditional classroom methods with modern technology.

1. Asynchronous E-learning
2. Synchronous E-learning
3. Blended learning
4. Hybrid learning

**Options :**

60348969225. 1

60348969226. 2

60348969227. 3

60348969228. 4

**Question Number : 81 Question Id : 60348918373 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The Indian MOOC initiative is known as -----

1. Udacity
2. SWAYAM
3. Coursera
4. GURU

**Options :**

60348969229. 1

60348969230. 2

60348969231. 3

60348969232. 4

**Question Number : 82 Question Id : 60348918374 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is OTP in credit card transaction?

1. Odd Transaction Password
2. Owner is Trading Pass code
3. One Time Password
4. One Time Pincode

**Options :**

60348969233. 1

60348969234. 2

60348969235. 3

60348969236. 4

**Question Number : 83 Question Id : 60348918375 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The protocol which is used for mail creation is ----

1. HTTP
2. WWW
3. SMTP
4. FTP

**Options :**

60348969237. 1

60348969238. 2

60348969239. 3

60348969240. 4

**Question Number : 84 Question Id : 60348918376 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Mail access starts with client when user needs to download e-mail from the -----

1. Mail Box
2. Mail Server
3. Mail Host
4. Internet

**Options :**

60348969241. 1

60348969242. 2

60348969243. 3

60348969244. 4

**Question Number : 85 Question Id : 60348918377 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

WBT stands for -----

1. Web Based Transfer
2. Web Based Training
3. Window Based Transfer
4. Window Based Training

**Options :**

60348969245. 1

60348969246. 2

60348969247. 3

60348969248. 4

**Question Number : 86 Question Id : 60348918378 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The fastest and reliable technology for sending information is -----

1. Chat
2. e-mail
3. Discussion groups
4. Blog

**Options :**

60348969249. 1

60348969250. 2

60348969251. 3

60348969252. 4

**Question Number : 87 Question Id : 60348918379 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Forum formed for the discussion on a particular subject over Internet is called -----

1. User Group
2. Newsgroup
3. User Forum
4. News Forum

**Options :**

60348969253. 1

60348969254. 2

60348969255. 3

60348969256. 4

**Question Number : 88 Question Id : 60348918380 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The AI is associated with which generation of computers?

1. Fifth Generation
2. First Generation
3. Sixth Generation
4. Seventh Generation

**Options :**

60348969257. 1

60348969258. 2

60348969259. 3

60348969260. 4

**Question Number : 89 Question Id : 60348918381 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which operation is not performed by a computer?

1. Inputting
2. Understanding
3. Processing
4. Controlling

**Options :**

60348969261. 1

60348969262. 2

60348969263. 3

60348969264. 4

**Question Number : 90 Question Id : 60348918382 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following programming languages are used for AI programming?

1. Machine Language
2. C language
3. LISP
4. Low level Language

**Options :**

60348969265. 1

60348969266. 2

60348969267. 3

60348969268. 4

**Question Number : 91 Question Id : 60348918383 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following model is usually good for data analysis?

1. Explanation
2. Sub setting
3. Summarising
4. Inference

**Options :**

60348969269. 1

60348969270. 2

60348969271. 3

60348969272. 4

**Question Number : 92 Question Id : 60348918384 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

R is technically much closer to the Scheme language than it is to the original ----- language.

1. CPP
2. PHP
3. JAVA
4. C

**Options :**

60348969273. 1

60348969274. 2

60348969275. 3

60348969276. 4

**Question Number : 93 Question Id : 60348918385 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following approach should be used to ask data analysis question?

1. Data cleansing
2. Data integration
3. Data replication
4. Data stripping

**Options :**

60348969277. 1

60348969278. 2

60348969279. 3

60348969280. 4

**Question Number : 94 Question Id : 60348918386 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following not belongs to three V's of big data?

1. Volume
2. Velocity
3. Virtually
4. Variety

**Options :**

60348969281. 1

60348969282. 2

60348969283. 3

60348969284. 4

**Question Number : 95 Question Id : 60348918387 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



----- data level includes 'unified representation'

1. Level 1
2. Level 2
3. Level 3
4. Level 4

**Options :**

60348969285. 1

60348969286. 2

60348969287. 3

60348969288. 4

**Question Number : 96 Question Id : 60348918388 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- Heterogeneity occurs when two data sources are not expressed in the same language.

1. Syntactic heterogeneity
2. Conceptual heterogeneity
3. Semiotic heterogeneity
4. Terminological heterogeneity

**Options :**

60348969289. 1

60348969290. 2

60348969291. 3

60348969292. 4

**Question Number : 97 Question Id : 60348918389 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

----- is not a component of digital library.

1. Computer
2. Black board
3. Internet
4. LAN

**Options :**

60348969293. 1

60348969294. 2

60348969295. 3

60348969296. 4

**Question Number : 98 Question Id : 60348918390 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

ERNET stands for -----

1. E-learning and Reliable Network
2. Electronic and Research Network
3. Education and Reliable Network
4. Education and Research Network

**Options :**

60348969297. 1

60348969298. 2

60348969299. 3

60348969300. 4

**Question Number : 99 Question Id : 60348918391 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Example for an Open-Source Software for Library Automation is -----

1. SLIM ++
2. VTLS
3. Koha
4. Soul

**Options :**

60348969301. 1

60348969302. 2

60348969303. 3

60348969304. 4

**Question Number : 100 Question Id : 60348918392 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

TCP stands for -----

1. Transaction Control Protocol
2. Transmission Control Protocol
3. Traffic Control Protocol
4. Transaction Commit Protocol

**Options :**

60348969305. 1

60348969306. 2

60348969307. 3

60348969308. 4