

# National Testing Agency

**Question Paper Name:** ICT for Science and Technology and Engineering and Mathematics Education 30th March 2019 Shift 1  
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## ICT for Science and Technology and Engineering and Mathematics Education

**Group Number :** 1  
**Group Id :** 90958216  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 100

## ICT for Science and Technology and Engineering and Mathematics Education

**Section Id :** 90958216  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 100  
**Number of Questions to be attempted:** 100  
**Section Marks:** 100  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 90958216  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0**

Which of the following is part of computer hardware?

- A. Microsoft Windows
- B. RAM
- C. C Programming Language
- D. Java Compiler

Options :

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

Question Number : 2 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is most similar to a computer?

- A. Abacus
- B. Weighing Machine
- C. Calculator
- D. Measuring Tape

Options :

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

Question Number : 3 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the most essential purpose of computer software?

- A. To enable interaction between different computers
- B. To make a computer more user friendly
- C. To enable smooth running of computer hardware
- D. To provide instructions to computer hardware

Options :

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

Question Number : 4 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of these properties of a computer software is essential for it to work properly?

- A. Must be able to adapt itself as per changing needs of user
- B. Set of instructions must be unambiguous
- C. Must be written in a common/natural human language
- D. Must be able to do multiple tasks

Options :

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

Question Number : 5 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is computer programming?

- A. Designing the hardware of a computer
- B. Playing games on a computer
- C. Giving verbal instructions to a phone or computer
- D. Writing an algorithm in the particular syntax of a programming language

Options :

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

Question Number : 6 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of these is a programming language?

- A. Tiger
- B. Panther
- C. Python
- D. Zebra

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 7 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of these is a basic component of a computer algorithm?

- A. Loops
- B. Strings
- C. Threads
- D. Lines

Options :

1. A

2. B

3. C

4. D

Question Number : 8 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the basic difference between a calculator and a computer?

- A. Threads and Multi-tasking
- B. Loops and Decision Making
- C. Lines and Marathons
- D. Strings and Knots

Options :

1. A

2. B

3. C

4. D

Question Number : 9 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a computer, various functions like  $\sin(x)$  are computed using:

- A. Handbook of sinusoidal functions
- B. All values of functions are already stored in the computer
- C. Basic arithmetic and loops
- D. None of the above

Options :

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

**Question Number : 10 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

**What does LAN stand for in the domain of computers?**

- A. Local Area Network
- B. Long Adhesive Node
- C. Language Accession Network
- D. Lab Access Node

**Options :**

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

**Question Number : 11 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

**What is the basic definition of a computer server?**

- A. A service provider for computers on the internet
- B. A portable computer that people can share with each other
- C. A computer that is used as a backup device for storing data
- D. A central computer that other computers can connect to/with

**Options :**

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

**Question Number : 12 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following is NOT an example of ICT based learning?

- A. MOOCs
- B. Blog writing/reading
- C. Library reading
- D. Computer based games

Options :

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

Question Number : 13 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statement: ICT allows the professional development of teachers. Is the statement:

- A. True
- B. False

Options :

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

Question Number : 14 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a social media platform?

- A. Twitter
- B. LinkedIn
- C. InstaBook
- D. Facebook

Options :

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

Question Number : 15 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is an interface to access websites?

- A. Browser
- B. Application
- C. Software
- D. File reader

Options :

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

Question Number : 16 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What can you NOT discuss on discussion platforms for educators?

- A. Teaching topics
- B. Teaching/Pedagogy tools
- C. Personal conversations
- D. Professional development courses

Options :

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

Question Number : 17 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is 'Redundancy' principle of multimedia learning?

- A. People learn better from graphics and narration than from graphics, narration and on-screen text
- B. People learn better when an onscreen agent uses human-like gestures and movement
- C. People learn better when the words in a multimedia lesson are presented in conversational style rather than formal style
- D. People learn better when corresponding narration and graphics are presented simultaneously

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 18 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a website for networking of educators of life science and biology?

- A. IndiaBiology
- B. IndiaBioscience
- C. BioIndiaSociety
- D. IndiaBiology

Options :

1. A

2. B

3. C

4. D

Question Number : 19 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a MOOC website?

- A. IndiaBioscience
- B. Swayam
- C. Pixabay
- D. Cult of Pedagogy

Options :

1. A

2. B

3. C

4. D

Question Number : 20 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a blog website for teachers?

- A. Edutopia
- B. Huffington post
- C. Medium
- D. Times

Options :

1. A



2. B
3. C
4. D

**Question Number : 21 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Is it acceptable to copy-and-paste a sentence written by someone else into your paper simply by adding quotation marks around it and providing proper citation?

- A. Sometimes acceptable
- B. Always acceptable
- C. Never acceptable

**Options :**

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

**Question Number : 22 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

What is the proper way to paraphrase a sentence originally written by someone else?

- A. Just replace a few words by their synonyms
- B. Put quotation marks around the original text
- C. Summarize the text in your words so that the meaning is preserved, but there is little resemblance between the two sentences themselves
- D. Only change from active voice to passive, or vice-versa

**Options :**

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

**Question Number : 23 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Is it plagiarism to use text from your own previous published paper in a new one you are going to submit?

- A. Yes
- B. No

**Options :**

1. A
2. B

3. C

4. D

Question Number : 24 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

. Does a source need to be cited if it's collaboratively written on a website, like Wikipedia?

A. Yes

B. No

Options :

1. A

2. B

3. C

4. D

Question Number : 25 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a true purpose of citation?

A. Citation recognizes the authors you are referencing.

B. Citation allows your readers to confirm that you are not just "making stuff up."

C. Both 'a' and 'b'

D. None of the above

Options :

1. A

2. B

3. C

4. D

Question Number : 26 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For the original statement, "*The education system is made up of schools, colleges, universities as well as special institutions like vocational training centres*", which of the following is an acceptable paraphrasing?

A. The education system is comprised of colleges, schools, universities as well as special institutions like vocational training centres.

B. Schools, colleges and universities form an important part of our education system, which also contains special institutions like vocational training centres

C. Both 'a' and 'b'

D. None of the above

Options :

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

**Question Number : 27 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

When a new document is submitted to Turnitin for plagiarism check, does it automatically get added to the standard repository?

- A. Yes, it is a default feature and cannot be changed
- B. No, it depends on the settings, which can be changed

**Options :**

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

**Question Number : 28 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Turnitin generates a similarity report for every document that is submitted to it for checking. How does the user know whether there is plagiarism or not?

- A. Similarity score should be less than 10% for no plagiarism
- B. Similarity score should be less than 15% for no plagiarism
- C. Similarity score should be less than 25% for no plagiarism
- D. Important to go through the similarity report irrespective of the similarity score since even a few copied sentences in a large document is plagiarism

**Options :**

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

**Question Number : 29 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

The shuffle option order for a Google Quiz is available in \_\_\_\_\_

- A. Form settings
- B. Question settings
- C. Response settings
- D. Form Preview

**Options :**

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

**Question Number : 30 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following should NOT be enabled while setting a Google quiz to avoid unfair practice?

- A. shuffle option order
- B. show progress bar
- C. shuffle question order
- D. edit after submit

**Options :**

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

**Question Number : 31 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Besides conducting a quiz, Google forms can also be used for \_\_\_\_\_?

- A. Conducting polls
- B. Sharing videos
- C. Grading answer sheets
- D. Evaluating subjective answers

**Options :**

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

Question Number : 32 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The following attribute of a Google Quiz is in particular helpful for large class sizes

- A. Self-evaluative
- B. Shuffle option order
- C. Immediately release grade after quiz
- D. Shuffle question order

Options :

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

Question Number : 33 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

To avoid overloading the students, the online quiz should be \_\_\_\_\_?

- A. self-evaluative
- B. proportionate
- C. randomized
- D. available on Facebook

Options :

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

Question Number : 34 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does GSM stand for?

- A. Global System for Marketing communication
- B. Global System for Mobile communication
- C. Generalised System for Mobile communication
- D. Generalised System for Management communication

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 35 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

MIN stands for

- A. Mobility In Network
- B. Mobile Internet
- C. Mobile Identification Number
- D. Mobile India

Options :

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

Question Number : 36 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is smartphone operating system (OS) developed by Google?

- A. Android
- B. iOS
- C. Symbian
- D. Firefox

Options :

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

Question Number : 37 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is a setting for mobile phones and other portable devices that switches off all wireless activity?

- A. Dual mode
- B. Flight mode
- C. Panorama mode
- D. Monochrome mode

Options :

- 1. A

2. B
3. C
4. D

Question Number : 38 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does GPRS stand for?

- A. General Packet Radio Services
- B. Global Production of Radio Services
- C. General Packet Random Service
- D. Global Pocket Radio System

Options :

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

Question Number : 39 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which device allow you to use a mobile phone without holding it?

- A. Headset
- B. Haptic
- C. Handsfree
- D. Headsfree

Options :

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

Question Number : 40 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is the unique ID number assigned to every modern mobile phone?

- A. IMEI
- B. IMAP
- C. IMED
- D. IMID

Options :

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

**Question Number : 41 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which among the following is a unit and measure of speed of data transfer?

- A. gsm
- B. kbps
- C. cdma
- D. j2me

**Options :**

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

**Question Number : 42 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

As a STEM teacher, you wish to find various science labs in your city. Which of these services uses phone's GPS to help you for that purpose?

- A. Location based service
- B. Science Management Centres
- C. Camera Management app
- D. Phone Locker software

**Options :**

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

**Question Number : 43 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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



The part of the design process which is meant to show the end user what the app will look like without having to actually build the app or its underlying functionality, is called as?

- A. Mockup
- B. Mindmap
- C. Bitmap
- D. Application Programming Interface

**Options :**

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

**Question Number : 44 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

The draft used to present the proposed functions, structure, and content of an app, is called as?

- A. Graphic Arts
- B. Copywriting
- C. Wireframe
- D. Taxonomy

**Options :**

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

**Question Number : 45 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

The process of testing a pre-released version of a mobile app is known as

- A. Alpha
- B. Beta
- C. Gamma
- D. Reda

**Options :**

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

Question Number : 46 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is an example of microblogging?

- A. Instagram
- B. Facebook
- C. Twitter
- D. Flickr

Options :

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

Question Number : 47 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is a photo sharing social network that provides users with a platform for uploading, saving, and categorizing through collections called 'boards.'

- A. Flickr
- B. Unsplash
- C. Pixabay
- D. Pinterest

Options :

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

Question Number : 48 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A site where users share and discuss their views and ideas on something particular, is called as

- A. Forum
- B. Widget
- C. Game
- D. Survey

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 49 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In Examineer, `[5+4` and `[4+5` give the same output.

- A. True
- B. False

Options :

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

Question Number : 50 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The 'Signaling' principle of multimedia learning means people learn better when essential material is highlighted. The statement is :

- A. True
- B. False

Options :

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

Question Number : 51 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following can be done safely on a social networking site?

- A. Posting your location
- B. Posting your birthdate
- C. Sharing a photo of you with your friends
- D. Posting your alias

Options :

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

Question Number : 52 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The space or channels like messengers, email or text messages people use for invisible shares, is called as

- A. A Forum
- B. Dark Social
- C. Emoji
- D. Notification

Options :

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

Question Number : 53 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT a principle of multimedia learning?

- A. Transforming
- B. Embodiment
- C. Coherence
- D. Segmenting

Options :

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

Question Number : 54 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following is the social video app that allows users to broadcast live video from wherever they are?

- A. Telescope
- B. Periscope
- C. Microscope
- D. Bioscope

Options :

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

Question Number : 55 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The practice of aligning a brand with a current event in an attempt to generate media attention and boost the brand's exposure, is called as?

- A. Hacking
- B. Phishing
- C. Newsjacking
- D. Marketing

Options :

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

Question Number : 56 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following will you use to increase the chances of your website appearing near the top of search engine results pages?

- A. Employee Advocacy
- B. Image Recognition
- C. Newsjacking
- D. Search engine optimization

Options :

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

Question Number : 57 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Temporal Contiguity is a research based principle of multimedia learning which means

- A. People learn better when extraneous material is excluded.
- B. People learn better from graphics and narration than from graphics, narration, and on-screen text
- C. People learn better when the words in a multimedia lesson are presented in conversational style rather than formal style
- D. People learn better when corresponding narration and graphics are presented simultaneously

Options :

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

Question Number : 58 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the Haptic rendering method, \_\_\_\_\_ is dependent on distance of penetration.

- A. Size of the object
- B. Radius of Haptic interface point (HIP)
- C. Thickness of the object
- D. The magnitude of force rendered

Options :

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

Question Number : 59 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

While calibrating the Geomagic haptic device

- A. The stylus has to be placed in the inkwell
- B. The stylus should be placed horizontally on the ground
- C. The stylus has to be positioned in the origin
- D. The stylus should be moving

Options :

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

Question Number : 60 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the degree of freedom of the Geomagic touch haptic device discussed in the course module?

- A. 3
- B. 6
- C. 9
- D. 4

Options :

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

Question Number : 61 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a head mounted display (HMD)?

- A. Geomagic Touch
- B. VMG 35
- C. Oculus Rift
- D. Cyber Grasp

Options :

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

Question Number : 62 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Who coined the word “Virtual Reality” who is also known as the father of virtual reality?

- A. Edward Link
- B. Morton Hellig
- C. Ivan Sutherland
- D. Jaron Lanier

Options :

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

Question Number : 63 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a gaming engine?

- A. Google Expeditions
- B. InstaVR
- C. YouTube
- D. Unreal

Options :

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

Question Number : 64 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the URL of the Spoken Tutorial website?

- A. spokentutorial.net
- B. st.org
- C. spokentutorial.in
- D. spoken-tutorial.org

Options :

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



Question Number : 65 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Moodle content editing tool bar is

- A. HTML toolbar
- B. TinyMCE toolbar
- C. Content editor
- D. Atto toolbar

Options :

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

Question Number : 66 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the workflow for downloading students' assignment submissions in Moodle?

- A. Click on the Assignment → View all submissions → Download all submissions
- B. Click on the Assignment → View all submissions → Grading action → Download all submissions
- C. Turn editing on → Add an activity resource → Assignment → View all submissions → Download all submissions
- D. Turn editing on → Add an activity resource → Assignment → View all submissions → Grading action → Download all submissions

Options :

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

Question Number : 67 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

How does Examiner prevent copying in a quiz?

- A. By strict invigilation
- B. By adding 4 layers of randomization in the quizzes
- C. By making students sit very far away from each other
- D. None of the above

Options :

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

**Question Number : 68 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which among the following is the 'primary key' for editing Moodle course sections and adding resources/activities?

- A. Add an activity
- B. Add a resource
- C. Add an activity or resource
- D. Turn editing on

**Options :**

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

**Question Number : 69 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which Moodle module(s) allow(s) sharing files?

- A. File
- B. Folder
- C. File & Folder
- D. Page

**Options :**

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

**Question Number : 70 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which Moodle module allows a teacher to embed a video?

- A. URL
- B. Page
- C. File
- D. Folder

Options :

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

Question Number : 71 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Moodle is an acronym for

- A. Modular Objective Dynamic Learning Environment
- B. Modular Object-Oriented Dynamic Learner Environment
- C. Modular Object-Oriented Dynamic Learning Environment
- D. Modular Object-Oriented Developing Learning Environment

Options :

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

Question Number : 72 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which Moodle module(s) allow(s) teachers to structure learning content as Table of Contents?

- A. Folder
- B. Page and Book
- C. Book
- D. File and Folder

Options :

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

Question Number : 73 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which Moodle module notifies graders about student submissions?

- A. Quiz
- B. Gradebook
- C. Assignment
- D. Quiz and assignment

Options :

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

Question Number : 74 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which FOSS is an alternative to Matlab?

- A. Scilab
- B. Python
- C. Latex
- D. C++

Options :

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

Question Number : 75 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the command to calculate the determinant of matrix A in Scilab?

- A. determinant of Matrix A
- B. determinant(A)
- C. determ(A)
- D. det(A)

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 76 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Is Scilab spoken tutorial available in multiple languages?

- A. No
- B. Yes

Options :

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

Question Number : 77 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the URL for Xcos on cloud?

- A. [www.xcos.spokentutorial.org](http://www.xcos.spokentutorial.org)
- B. [www.st.org](http://www.st.org)
- C. <https://fossee.in>
- D. <https://xcos.fossee.in>

Options :

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

Question Number : 78 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following FOSS can be used for Education?

- A. Osdag
- B. DWSIM
- C. OpenModelica
- D. All of the above

Options :

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

Question Number : 79 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following best describes “Spatial contiguity” principle in multimedia learning?

- A. People learn better from a multimedia lesson when words are presented in spoken form rather than printed form
- B. People learn better when an onscreen agent uses human-like gestures and movement
- C. People learn better when corresponding narration and graphics are presented simultaneously
- D. People learn better when on-screen words are placed next to the corresponding part of the graphic

Options :

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

Question Number : 80 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following statements best describes Active Learning?

- A. Students are engaged with active animations in the lesson
- B. The teacher is actively teaching in the classroom
- C. Students are actively listening to the teacher
- D. Students are actively engaged in the learning process

Options :

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

Question Number : 81 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following should be considered while designing a classroom?

- A. Technology
- B. Social setup
- C. Furniture
- D. All of the above

Options :

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

Question Number : 82 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In Examiner, Is it allowed to create multiple blanks in a fill-in-the-blank type question?

- A. Yes
- B. No

Options :

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

Question Number : 83 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following best describes 'Pre-training' principle of multimedia learning?

- A. People learn better when essential material is highlighted
- B. People learn better when extraneous material is excluded
- C. People learn better when they learn the key terms prior to receiving a multimedia lesson
- D. People learn better when the words in a multimedia lesson are presented in conversational style rather than formal style

Options :

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

Question Number : 84 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Help given to answer a question in Examineer is called

- A. Hint
- B. Explanation
- C. Both A and B
- D. None of the above

Options :

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

Question Number : 85 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is Examineer?

- A. A MOOC Course
- B. A repository of openly available notes
- C. A Digital assessment Tool
- D. None of the above

Options :

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

Question Number : 86 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which among the following types of micro-content are supported by Examineer?

- A. MCQ
- B. Fill in the blank
- C. Arrangement type question
- D. All of the above

Options :

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



Question Number : 87 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the syntax for “Display math mode” in Examineer ?

- A. #[ #]
- B. \$[ \$]
- C. `[[ `]]
- D. \*( \*)

Options :

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

Question Number : 88 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Are blanks of type “text” case-sensitive in Examineer?

- A. Yes
- B. No

Options :

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

Question Number : 89 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the syntax to create a fill in the blank type question in Examineer?

- A. <blank name\_of\_blank type\_of\_blank>
- B. {blank name\_of\_blank type\_of\_blank}
- C. [blank type\_of\_blank name\_of\_blank]
- D. <blank type\_of\_blank name\_of\_blank>

Options :

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

Question Number : 90 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The 'Personalization' principle of multimedia learning means people learn better when a multimedia lesson is presented in small user-paced segments. The statement is

- A. True
- B. False

Options :

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

Question Number : 91 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a characteristic of chalk and talk method?

- A. Learner centric approach
- B. Presumes that all the students learn in identical fashion
- C. Monologue method
- D. Slow and time consuming

Options :

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

Question Number : 92 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following should NOT be a characteristic of a good teacher?

- A. Full command over the subject
- B. Should have done a lot of thinking on the subject
- C. Effective communication and presentation skills
- D. Focus only on the bright students

Options :

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

Question Number : 93 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What ails present science education in India?

- A. Heavy syllabi
- B. Focus of teaching primarily on rote learning
- C. Many outdated topics in the syllabus
- D. All of these

Options :

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

Question Number : 94 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

OER stands for

- A. Open Educational Resource
- B. Open Environmental Resource
- C. Open Educational Retreat
- D. Open Environmental Rescue

Options :

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

Question Number : 95 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the aim of the Scilab's Textbook Companion project?

- A. Ask students to provide solution for the unsolved problems in the textbook
- B. Ask students to learn a FOSS through textbooks
- C. Ask students to write code for solved examples of standard textbook
- D. Ask students to prepare questions for a FOSS

**Options :**

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

**Question Number : 96 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following is not covered under multimedia enrichment?

- A. Text
- B. Video
- C. Audio
- D. Animations

**Options :**

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

**Question Number : 97 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

The psychological sense of being in a virtual environment is called

- A. Sensorimotor contingency
- B. User Dynamic Control of Viewport
- C. Presence
- D. 3D Stereovision

**Options :**

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

**Question Number : 98 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

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

What does LMS stand for?

- A. Learning Module Service
- B. Learning Management System
- C. Learning Module System
- D. Learning Management Service

Options :

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

Question Number : 99 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following softwares can be used to create interactive assessment?

- A. Plagiarism
- B. SweetPotato
- C. HotPotato
- D. Story board

Options :

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

Question Number : 100 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Storyboarding means scripting the entire content of the video/animation to be developed

- A. True
- B. False

Options :

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