

**INTEGRATION OF ICT EDUCATION
EBS 337**

Answer All Questions

Each Question Carries 1 Mark

TIME: 30 MINS

For items 1 to 17, each item is followed by four (4) options lettered A - D. Read each statement carefully and circle the letter of the best option on the question paper.

1. Quill, ink, paper and abacus are examples of technology tools used in education during the
A. Digital era
B. Mechanical era
C. Pre-Mechanical era
D. Electrical era
2. The teaching approach where the teacher explains the topic with emphasis on presentation to the students is termed as
A. Cooperative learning
B. Authentic learning
C. Socratic instruction
D. Lecturing
3. The lecturing teaching approach is best suited for learners with
I. Good listening skills
II. Good attention span
III. Strong language comprehension
A. I only
B. III only
C. II only
D. All of the above
4. One of the surest way to ensure interesting lessons and deepening understanding of your learners in a lecture class is
A. Including videos and pictures to presentations
B. Using presentation software
C. Through online resources
D. Technology use
5. A teaching approach where the teacher can engage students with a series of questions on a phenomena is
A. Concept formation
B. Socratic instruction
C. Lecturing
D. Cooperative group learning
6. According to Marzano, Pickering & Pollock (2001), organizing students in cooperative learning groups can lead to a gain in student achievement of
A. 26 percentiles

- B. 27 percentiles
 - C. 28 percentiles
 - D. 29 percentiles
7. Which of the following elements is an instructor not to consider in video design and implementation for instruction?
- A. Cognitive load
 - B. Non-cognitive elements that might impact engagement
 - C. Features that promote active learning
 - D. Source of video to be used
8. Which of the following statements is FALSE?
- A. Sensory memory collects information from the environment
 - B. Working memory has very limited capacity for storage
 - C. Information from sensory memory is encoded into long term memory
 - D. The long term memory has unlimited storage for information
9. In using videos for teaching, what is recommended for teachers when applying matching modality?
- A. Use auditory and visual channels to transmit complementary and appropriate information
 - B. Printed text should be added to load the visual channel
 - C. Animation can be shown with text
 - D. None of the above
10. The most appropriate instructional video length to engage learners' attention is
- A. 9 to 12 minutes
 - B. 12 to 14 minutes
 - C. Not more than 6 minutes
 - D. 14 to 40 minutes
11. Technology can be used to enable learners experience concepts in contexts of real-world situations. This approach by teachers to learning is termed as
- A. Authentic learning
 - B. Tutoring
 - C. Using computer for creative processes
 - D. Reflection
12. Which of the following is a digital representation of nontext information such as a drawing, chart, or photo?
- a. applet
 - b. pic
 - c. keyframe
 - d. graphic
13. Which of the following includes music, speech, or any other sound?
- a. audio
 - b. vodcasting
 - c. video
 - d. digeo
14. Which of the following is special software that a user needs in order to listen to an audio file on a computer?
- a. media reader
 - b. broadcaster
 - c. media player
 - d. audio browser

15. Which of the following terms refers to any application that combines text with graphics, animation, audio, video, and/or virtual reality?
- a. portal b. web app
c. multimedia d. Java applet
16. **For** which of the following to work must both parties be online at the same time, and the receiver of a message be willing to accept messages?
- a. email b. FTP
c. instant messaging d. all of the above
17. **Which** of the following is the process of transferring files from a computer to a server on the Internet?
- a. **uploading** b. streaming
c. downloading d. flowing

For items 18 and 2, provide your response by filling the spaces provided on the question paper.

18. Give one barrier to the use of multimedia applications in class.

Production of multimedia requi.....
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19. ~~State three (3) ways~~ **State three (3) ways** in which multimedia can be applied for teaching and

i)...using song files and music videos.....

ii)using power point presentation software to present information.....

...

iii)...showing short clips instead of the wi.....

For items 20 to, provide responses that best describe the statements by choosing the appropriate option from OPTIONS.

S N	STATEMENT	RESPONSE	OPTIONS
20	This describes when the computer teaches concepts, topics or subjects through videos, simulations or texts.		A. Animations B. Multimedia learning
21	It is the use of the computer to create, manipulate, reflect or produce what learners know.		C. Collaborative learning tool D. Tutor
22	An educational psychology lecturer creates a Whatsapp group platform for her students to discuss and share ideas on 'Behavioural Learning Theories'. What is the best description of technology use by this lecturer?		E. Reflective tool F. Mindtool

			G. Video H. Hypertext
23	It is the use of any type of application or activity that incorporates varying media elements in presentation of concepts to learners.		
24	It is a type of multimedia element that has a series of images combined to give movement effect.		

20(D)

21(F)

22(C)

23(B)

24(A)Production