## JBT231 - EDUCATIONAL AND INSTRUCTIONAL TECHNOLOGIES

TIME ALLOWED: 2 HOURS

LEVEL: 200

## INSTRUCTIONS:

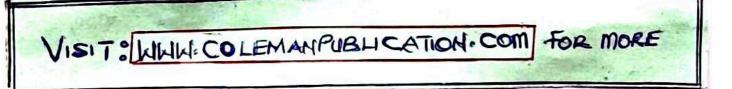
- 1. Attempt all questions in sections A and B and Two (2) in section C.
- 2. Each question is followed by four options,  $\mathbf{A} \mathbf{D}$ .
- 3. Write the letter corresponding to the correct answer in the options provided in the answer booklet.
- 4. The total marks for this paper is 40.

## SECTION A: ANSWER ALL THE QUESTIONS IN THIS SECTION

- 1. What is the complex process involving people, procedures, devices and analysis of problems in all human aspects of human learning called?
  - A. Behaviourism theory
  - B. Cognitive theory
- C. Educational technology
  - D. Instructional technology
- 2. Which of the following modules is a procedural guide for planning and delivering instruction that integrates technologies and media into the teaching process?
  - A. Assure
  - B. KWL Chat
  - C. Planning
  - D. Social Chat
- 3. Providing easy and cheap access to digital learning resources so all students engage in learning is termed as digital ...
  - A. equality
  - B. equity
  - C. experience
  - D. segregation
- A classroom management plan involves all the following EXCEPT ...
  - A. attention
  - B. communication
  - C. monitoring
  - D. organization
- 5. In the KWL chart, K stands for ...
  - A. Know
  - B. Know how

- C. Knowing
- D. Knowledge
- 6. To represent the relationships between ideas and concepts, you need to use ... tools.
  - A. blended learning
  - B. gamification
  - C. mind mapping
  - D. virtualization
- 7. In the TPACK concept, the teacher needs ... knowledge to use a wide range of teaching approaches in the classroom setting.
  - A. content
  - B. pedagogical
  - C. technological
  - D. technological and pedagogical
- 8. One advantage of remote learning is ...
  - A. limited social interaction
  - B. no periodic evaluation
  - C. studying at your own pace
  - D. studying without a teacher
- 9. When a teacher provides learning materials to students to engage and learn on their own at home before a lesson, it is known as ... learning.
  - A. distance
  - B. flipped
  - C. hybrid
  - D. self-motivated
- 10. The ability to interpret and produce text, audio, graphics and video is referred is to as ... A. general

  - B. media
  - C. text
  - D. video
- 11. Behaviourism focuses mainly on the ...
  - A. brain-based learning
  - B. constructing or building new ideas or concepts
  - C. observable aspects of learning
  - D. the entry and exit behaviour of learn era
- 12. What is the term given to the application of skills, knowledge or attitudes that were learned in one situation to another learning situation? ... learning
  - A. Application of
  - B. Application of new
  - C. Situational
  - D. Transfer of
- 13. MOOC stands for ...
  - A. Massive Online Open Courses
  - B. Massive Open Online Courses
  - C. Mega Online Open Courses



- D. Mega Open Online Courses
- 14. The most commonly used multimedia element is/are ...
  - A. audio
  - B. manipulatives
  - C. text
  - D. video
- 15. One of the most effective ways of turning learning into a more fun and engaging process
  - A. blended learning
    - B. e-learning
    - C. flipped learning
    - D. gamification
- 16. Digital media application in education is important because of the following EXCEPT ...
  - A. appeal to a variety of learning styles
  - B. increased retention
  - C. low patronage by students and staff
  - D. to improve teaching and learning
- 17. The following are all trends in Education Technology EXCEPT ... learning.
  - A. blended
  - B. collaborative
  - C. customized
  - D. remote
- 18. A type of learner that learns best when information is spoken is a/an ... learner
  - A. auditory
  - B. kinesthetic
  - C. read/write
  - D. visual
- According to Borg (2006), all the following are characteristics of expert teachers, EXCEPT they ...
  - A. are familiar with typical student behaviour
  - B. build lessons around students' difficulties
  - C. maintain active student involvement
  - D. maintain passive student involvement
- 20. Which of the following instructional methods is best used for providing general guidance for a group working on a project?
  - A. Demonstration
  - B. Discussion
  - C. Seminar
  - D. Tutorial

## SECTION B: ANSWER ALL THE QUESTIONS IN THIS SECTION (10 MARKS)

- 2. The method of teaching where participants use their own experiences to play in real life is known as .....

3.	A field of study that is designed to increase educational equity for all students is known as	
4.	A place where teaching and learning can be conducted in a welcomenvironment free of intimidation, discrimination, violence an	ning and supportive ad fear is termed
5.	What is the name of the thinking tool that helps in structuring info better analyze, comprehend, synthesize, recall and generate new idea.	ormation, helping to
6.	The application of skills, knowledge and/or attitudes that were learner another learning situation is	ed in one situation to
7.	The U in ASSURE model means (utilize / utilization of multim	adia materiale)
8.	A software application that allows you to access website on the in	nternet is called a/n
9.	The kind of communication between sender and receiver that happens is known as	s directly as in a chat
10	Learning is a process that leads to in behaviour as a result of expe	rianaa
SECT	ON C: ANSWER ANY TWO (2) QUESTIONS OF YOUR CHOICE	CF
1.	Discuss the 7 constructs of TPACK with the help of an illustration (	10 marks)
2.		
a	. What is technology integration?	(3 marks)
b	. State 4 benefits of technology integration.	(4 marks)
	. Mention any 3 barriers to technology integration?	(3 marks)
3.		
a	. What is a digital textbook?	(2 marks)
bolton	. Discuss any 4 benefits of social media in improving your academ	ic performance as a
	student.	(8 marks)
4.	a great arrange. The great to promote	10
	Product CH	
	a. Explain the following methods of instructions	
3	i. Instructor / Teacher-centered ii. Learner-centered	(2 marks)
#ID	ii. Learner-centered	(2 marks)
	iii. Content-focused	(2 marks)
	iv. Participant / Interactive	(2 marks)
	<ul> <li>Explain differentiated instruction to a fellow student.</li> </ul>	(2 marks)