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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, **A – 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
4. 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 to as ... literacy.
 - 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

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- 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 is ...
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
19. 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)

1. The conceptual framework that describes how information is absorbed, processed and retained is known as
2. The method of teaching where participants use their own experiences to play in real life is known as

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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 welcoming and supportive environment free of intimidation, discrimination, violence and fear is termed
5. What is the name of the thinking tool that helps in structuring information, helping to better analyze, comprehend, synthesize, recall and generate new ideas? *UDL*
6. The application of skills, knowledge and/or attitudes that were learned in one situation to another learning situation is
7. The U in ASSURE model means (utilize / utilization of multimedia materials)
8. A software application that allows you to access website on the internet is called a/n
9. The kind of communication between sender and receiver that happens directly as in a chat is known as
10. Learning is a process that leads to ... in behaviour as a result of experience.

SECTION C: ANSWER ANY TWO (2) QUESTIONS OF YOUR CHOICE

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)
 - c. Mention any 3 barriers to technology integration? (3 marks)
3.
 - a. What is a digital textbook? (2 marks)
 - b. Discuss any 4 benefits of social media in improving your academic performance as a student. (8 marks)
4.
 - a. Explain the following methods of instructions
 - i. Instructor / Teacher-centered (2 marks)
 - ii. Learner-centered (2 marks)
 - iii. Content-focused (2 marks)
 - iv. Participant / Interactive (2 marks)
 - b. Explain differentiated instruction to a fellow student. (2 marks)

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