



UNIVERSITY OF GHANA
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DEPARTMENT OF TEACHER EDUCATION

SCHOOL OF EDUCATION AND LEADERSHIP

COLLEGES OF EDUCATION

END OF SEMESTER ONE EXAMINATIONS FOR LEVEL 200, 2022/2023

B.E.D. PROGRAMME

COURSE CODE: TEUP 203

COURSE TITLE: MULTIMEDIA DEVELOPMENT AND USE FOR PRIMARY SCHOOLS

Instruction: Answer all questions in Section A and any three questions in Section B.

Duration: 2 hours

SECTION A [25 Marks]

Answer all the questions in this section. Each question attracts one (1) mark

1. Which of the following best describes the theory of constructivism?
 - A. People construct knowledge through their experiences and interactions with the world.
 - B. People construct knowledge by using their reason rather than their senses.
 - C. People construct knowledge when they are not influenced by anyone else.
 - D. People construct learning when they at every given time

2. According to Piaget, the first stage of a child's development is
 - A. Concrete Operational
 - B. Formal Operational
 - C. Sensorimotor
 - D. Preoperational

3. You have been asked to give a course to a newly formed class of learners. The first thing to do is:
 - A. divide the class into teams for discussion and group projects.
 - B. find out the objective of the course
 - C. find out what the learner know
 - D. talk to some men who have already done the course

- 4 Audio-visual aids should be considered by teachers as a:
 - A. device which saves teacher preparation
 - B. pleasant change from classroom routine
 - C. solution to the problem of teacher shortage
 - D. supplement to other devices for teaching

5. What does the acronym ADDIE stand for when discussing Learning Objectives (Franksen, 2016)?
A. Analysis, Design, Develop, Implementation and Evaluation
B. Analysis, Design, Delivery, Imagine, Evaluate
C. Acquire, Design, Deliver, Implementation, Evaluation
D. Analyze, Design, Imagine, Examine
6. Which of the following devices helps the blind or visually impaired people?
A. Braille embossers
B. Joysticks
C. Keyboard filters
D. On-screen keyboards
7. All the following are video conferencing applications *except* _____
A. Google Hangouts
B. Skype
C. Yahoo
D. Zoom
8. What type of assistive technology can JAWS be considered as an example of?
A. Optical Character Recognition
B. Speech-to-Text
C. Text-to-Speech
D. Optical Character Recognition
E. Word Prediction
9. What type of model is ADDIE best described?
A. Constructivism (Learning theory)
B. Educational Technology
C. Educational Psychology
D. Instructional Design
10. It is a pictorial device that presents the learning experiences arranged according to the degree of abstraction. Which one from lettered A-D is best described over here?
A. Cone of Experiences
B. Concrete Experiences
C. Contrived Experiences
D. Three-tiered Model
11. Audio visual aids in the classroom is greatly helpful for the students in developing an of complex concepts.
A. Performance
B. Understanding
C. Reinforcement
D. Group work
12. A visual representation of a person, object or scene as a painting, drawing or image is called
A. Animation
B. Artwork
C. Picture
D. Video

13. Which of the following is a challenge associated with using multimedia in education?
- A. Assessment
 - B. Bandwidth limitation
 - C. Line of sight
 - D. Improved collaboration
14. Which of the following is the most appropriate example of a 'constructivist' Mathematics classroom?
- A. Students are engaged in exploration while finding a solution to a problem.
 - B. Students are reciting tables collectively in a rhythm
 - C. Teacher is going to every student and helping him/her to use the algorithm to solve the problem.
 - D. Teacher is solving the question of blackboard.
15. Ama thinks that green plants eat food like animals do, instead of producing food. She believes this idea because she puts "plant food" on her mom's plants each week. Of the following, which principle of cognitive learning theory is best illustrated by Ama's thinking?
- A. Learners construct knowledge to make sense of their experiences
 - B. Learning requires practice and feedback.
 - C. Knowledge that is constructed depends on knowledge that learners already possess.
 - D. People are mentally active in their attempts to understand how the world works.
16. In a class, pupils work together in groups on a project. It is an example of
- A. Behavioural approach
 - B. Information processing approach
 - C. Instructional approach
 - D. Social constructivist approach
17. Which one is the correct ascending order according to Dale's cone of experience?
- A. Motion picture, Still picture, Visual symbol, Verbal symbol
 - B. Still picture, Visual symbol, Motion picture, Verbal symbol
 - C. Verbal symbol, Visual symbol, Still picture, Motion picture
 - D. Visual symbol, Verbal symbol, Motion picture, Still picture
18. Which of the following statements best characterizes scaffolding?
- A. As a set of lessons progresses, students are given more and more structure.
 - B. The teacher's role is consistent throughout a set of lessons.
 - C. The teacher gradually assigns the students more responsibility for their learning, and then reduces it over time.
 - D. Integrating people, procedures, ideas, and devices for the purpose of providing tools which enhance the overall learning process is attributed to?
- A. Educational Technologist
 - B. Instructional Technologist
 - C. Information Technology
 - D. Multimedia Technology

20. Theoretical framework that attempts to explain how people learn and acquire knowledge, skills and attitude is known as
- A. Behaviorism
 - B. Cognitivism
 - C. Learning Theories
 - D. Constructivism
21. Which of the following learners can benefit effectively from Assistive technologies?
- A. Adult learners
 - B. Distance learners
 - C. Early childhood learner
 - D. Impaired learners
22. The process of incorporating information into existing cognitive structures or schemas is
- A. Accommodation
 - B. Assimilation
 - C. Pre-operational
 - D. Sensory Motor
23. The person who notices, decodes and attaches some meaning to a message is
- A. Cleaner
 - B. Driver
 - C. Receiver
 - D. Sender
24. Which of the following will be considered when selecting instructional materials?
- A. All the options given
 - B. Make sure the materials support learning objectives
 - C. Make the materials clear and accessible
 - D. Take into consideration individual needs and learning styles
25. 22. Which of the following principles in preparing instructional material provides for continuous and cumulative learning
- A. pacing
 - B. sequencing
 - C. balancing
 - D. evaluating

SECTION B

25 Marks

Answer any three questions in this section. Each question attracts 25 marks

- Q1. Explain the following factors that influence how children learn and grow as indicated by Jean Piaget
- a. Schema
 - b. Assimilation
 - c. Accommodation
 - d. Equilibration

Q2. Using practical classroom examples, state and explain any FIVI; (5) forms of interactions you can employ in your classroom in your lesson delivery [25mrks]

Q3a. Outline any FIVI; (5) multimedia elements that can be used in teaching [5mrks]

Q3b. Describe any IIRIE; (3) properties of an image. [12mrks]

Q3c. Discuss any two (2) differences between Educational and Instructional Technology [8 mrks] [25mrks]

Q4. Outline any FIVI; (5) Adaptive/Assistive devices and discuss their uses in teaching and learning.

Q5. Discuss any FIVI; (5) benefits of using instructional design models in the classroom. [25mrks]