

STUDENT'S ID NO: _____ SIGNATURE: _____



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, 2021/2022

B.ED. PROGRAMME

COURSE CODE: TEJS 205

COURSE TITLE: EDUCATIONAL AND INSTRUCTIONAL TECHNOLOGIES

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

Time: 2 hours

SECTION A

[25 Marks]

Answer all the questions in this section.

1. Which of the following should be primarily considered in determining the use of instructional media and teaching-learning objectives?
 - A. Instructional activity
 - B. Instructional strategy
 - C. The learner
 - D. The teacher

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2. Mr. Bright showed the real samples of rocks at the time of discussing the different forms of rocks. He applied which principle in the selection of instructional material?
 - A. Authenticity
 - B. Cost-effective
 - C. Interest
 - D. Responsiveness
3. Ms. Selassie is thinking of an educational technology that can relay information clearly to her class. Which principle will guide her in the selection of the material?
 - A. Communication effectiveness
 - B. Cost effectiveness authenticity
 - C. Interest and authenticity
 - D. Meaningfulness and effectiveness
4. Mr. Dzewu "meets" with his students by video at a designated time of day every week for lectures. Which kind of distance learning is this?
 - A. Asynchronous
 - B. Blended
 - C. Broadcast
 - D. Synchronous
5. A College of Education has adopted a model of distance learning that uses various combinations of web-based and face-to-face meetings to contain the large number of students admitted. Which model of distant learning is this?
 - A. Blended
 - B. Integrated
 - C. Online
 - D. Virtual
6. Prior to Miss Benson's lesson, she gave learning materials to her students to view at home on their own to encourage students' individual learning. What technique is this?
 - A. Distance Learning
 - B. Flipped Learning
 - C. Mind mapping
 - D. Self-motivated learning
7. What is the main role of the teacher in a flipped classroom?
 - A. Guide
 - B. Information provider
 - C. Lecturer
 - D. Role model

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8. Which of the following is not a pillar of flipped learning?
- A. Flexible Environment
 - B. Intentional Content
 - C. Learning Culture
 - D. Programme Educator
9. The first and foremost requisite for effective lesson planning is.....
- A. availability of appropriate teaching resources
 - B. knowledge of different teaching approaches
 - C. sincerity and dedication of the teacher
 - D. thorough knowledge of the subject matter
10. Allowing pupils to create songs, plays, murals or videos to demonstrate what they have learnt from reading a novel is referred to as what?
- A. Differentiated assessment
 - B. Engagement assessment
 - C. Reaching assessment Targets
 - D. Representation of assessment
11. A mathematics teacher often makes linkages in his classroom with concepts pupils are studying in science. This type of pedagogy would.....
- A. confuse acquisition of knowledge
 - B. help in transfer of learning
 - C. increase students' workload
 - D. promote collaboration among students
12. Which of the following is the main purpose of teaching and learning?
- A. Develop competitive spirit among students
 - B. Make students apply knowledge acquired to life
 - C. Make students eligible to complete school
 - D. Prepare students for examination in school
13. Which of the following is a purpose of using instructional media in education?
- A. Communication and learning
 - B. Entertainment and advertisement
 - C. Reduction of planning time
 - D. Replacement of the teacher
14. Which of the following processes would you engage in when using educational technology?
- A. Design – utilization – evaluation – development
 - B. Design – development – utilization – evaluation
 - C. Development – design – utilization – evaluation
 - D. Development – utilization – evaluation – design

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15. Blended learning is also referred to as what?

- A. Digital learning
- B. Flipped learning
- C. Hybrid learning
- D. Online learning

16. Which one of these is a negative effect of digital media for learning?

- A. Difficult to gathered information from many sources
- B. Students communication becomes difficult
- C. Students struggle to collaborate to learn
- D. Students waste time on social networks

17. What are the Universal Design for Learning principles?

- A. Action, Expression, Learning and Student centered
- B. Engagement, Representation, Action and Expression
- C. Understanding, Developing and Learning
- D. Representation, Assessment and Learning Targets.

18. Which of the following is the process and practice of learning through the use of games?

- A. Collaborative games
- B. Game-based learning
- C. Gamification
- D. Serious gaming

19. A diagram used to visually present information is referred to as.....

- A. mind map
- B. vein diagram
- C. visual display
- D. visual map

20. Computer Assisted Instruction is based on which of the following principles?

- A. Classical conditioning
- B. Operant conditioning
- C. Pavlovian conditioning
- D. Sender conditioning

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21. Which of the following is an important reason for planning a lesson?

- A. Engage with more time
- B. Make the learners confident
- C. To make teaching systematic
- D. To make the teacher happy

22. Which of the following is an advantage of flipped classroom?

- A. It creates student-centered environment
- B. Students have more fun with teacher
- C. Students work with their best friends
- D. Teachers need to prepare less

23. Which of the following is not an example of a social media platform?

- A. Facebook
- B. Moodle
- C. Twitter
- D. YouTube

24. Which of the following is not appropriate to engage in when using Facebook to engage learners as a teacher in the classroom?

- A. Create online discussion forums
- B. Open question/answer forums
- C. Post homework reminders
- D. Socialize with friends

25. A mind map is hierarchical and shows relationship among pieces of information.

- A. True
- B. False

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SECTION B

[75 Marks]

Answer any three questions in this section.

1. Discuss **five (5)** benefits of blended learning in education. (25 Marks)
2. Examine **five (5)** challenges a teacher can encounter in adopting the flipped learning strategy. (25 Marks)
3. Discuss **five (5)** barriers to technology integration in schools. (25 Marks)
4. Examine **five (5)** current trends in educational technology. (25 Marks)
5. Discuss **five (5)** factors to consider when selecting and integrating technology in the teaching and learning process. (25 Marks)