



UNIVERSITY OF GUYANA

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DEPARTMENT OF TEACHER EDUCATION

SCHOOL OF EDUCATION AND LEADERSHIP

COLLEGES OF EDUCATION

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

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

125 Marks

Answer all the questions in this section.

1. Which of the following is not a characteristic of digital Textbooks / eBooks?
  - A. It provides an opportunity to learn more using social media
  - B. It provides an opportunity to listen to audio contents
  - C. It provides an opportunity to read more content using hyperlinks
  - D. It provides an opportunity to watch videos on content in the book

STUDENT'S ID NO.: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

2. Mr. Bright showed the real samples of rocks at the time of discussing the different forms of rocks. Which principle did he apply 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

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 .....

- 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 a computer-based online community environment that is designed to be shared by individuals so that they can interact in a custom-built, simulated world?

- A. Augmented world
- B. Blended world
- C. Gamified world
- D. Virtual world

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

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 Designs 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. venn 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. Sander conditioning

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

**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)