

Reg. No. : .....

Name : .....

**Third Semester B.Ed. Degree Examination, October 2019**

**EDU 13.09 : EMERGING TRENDS AND PRACTICES IN NATURAL SCIENCE  
EDUCATION**

**(2015 Admission Onwards)**

Time : 2 Hours

Max. Marks : 50

**PART – A**

Answer **all** questions. Each question carries **1** mark.

1. Who wrote “Pedagogy of the oppressed”?  

(a) J.S. Bruner	(b) Jean Piaget
(c) Paulo Friere	(d) Howard Gardner
2. Which type of learning combine face to face, self paced learning and electronic components?  

(a) Brain based learning	(b) Blended learning
(c) Project	(d) Problem based learning
3. Which among the following represents the actual layout of a question paper?  

(a) Scoring key	(b) Marking scheme
(c) Blue print	(d) Scheme of options



4. Sensitizing the learner with social issues  
(a) Blended learning (b) Problem based learning  
(c) Issue based learning (d) Brain based learning
5. Teaching method for developing skills is logical arguments and weighing evidence among students.  
(a) Jigsaw (b) Debate  
(c) Think pair share (d) Group discussion

**(5 × 1 = 5 Marks)**

### PART – B

Answer **all** questions in one or two sentences. Each question carries **1** mark.

6. What is meant by critical incident diaries?
7. Explain Jigsaw technique.
8. Write any two important functions of reflective writing.
9. What is meant by portfolio?
10. Give any two advantages of peer assessment.

**(5 × 1 = 5 Marks)**

### PART – B

Answer **all** questions in two or three sentences. Each question carries **2** marks.

11. Mention few situation in which you can conduct a Buzz session?
12. What do you mean by banking concept of education?
13. Differentiate between HOT and LOT type questions.
14. Write any two criteria for assessing an assignment.
15. What instructions will you give to students before conducting a diagnostic test?

**(5 × 2 = 10 Marks)**



## PART – D

Answer **any four** questions in about one page. Each question carries **5** marks.

16. Differentiate cooperative learning and collaborative learning.
17. What are the important issues suggested in issue based learning? Describe any three strategies to sensitize these issues among students.
18. Explain the steps involved in an e-content development. Develop an e-content material for any topic of High School Biology.
19. What is meant by remedial teaching? Describe the different strategies for an effective remedial teaching programme.
20. How do reflections and feed back enable a student for effective learning?
21. Explain critical pedagogy.

**(4 × 5 = 20 Marks)**

## PART – E

Answer **any one** questions. Each question carries **10** marks.

22. What are the different strategies for reflective learning? How can reflective practices facilitate professional development among teachers?
23. Explain the step in the construction of an achievement test in biology by selecting a topic from secondary school text book.

**(1 × 10 = 10 Marks)**

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