



Reg. No. :

Name :

Third Semester B.Ed. Degree Examination, December 2016
EDU 13.09 : EMERGING TRENDS AND PRACTICES IN NATURAL
SCIENCE EDUCATION
(2015 Admission)

Time: 2 Hours

Max. Marks : 50

PART – A

Answer **all** questions :

1. A very popular cooperative learning activity that teachers use
 - A) Jigsaw
 - B) Think Pair Share
 - C) Problem based learning
 - D) Brain based learning
2. Pedagogy of the oppressed is written by
 - A) Torres
 - B) Paulo Freire
 - C) Taylor
 - D) Street
3. A test which measures what it is supposed to measure is termed as
 - A) Reliability
 - B) Objectivity
 - C) Acceptability
 - D) Validity
4. Successful use of student self-assessment depends on
 - A) Goal setting
 - B) Learning material
 - C) Aptitude
 - D) Attitude
5. Limitation of a teacher made test is
 - A) Uniformity of procedure
 - B) Validity of the test
 - C) Reliability of the test
 - D) Limited purpose

(1×5=5 Marks)

PART – B

Answer **all** questions :

6. Briefly describe cooperative learning technique.
7. What are the essential features of evaluation ?
8. Define circle learning.



9. What do you mean by brain based learning ?
10. What is the use of field work diaries ? (1×5=5 Marks)

PART – C

Answer **all** questions (Answer in **two** or **three** sentences) :

11. Name any two models of blended learning.
12. What is criterion referenced test ?
13. What are the benefits of reflection ?
14. Enumerate the uses of critical incident diaries.
15. Differentiate between selection type item and supply type item in evaluation. (2×5=10 Marks)

PART – D

Answer **any four** questions :

16. As a natural science teacher what are the activities you adopt to develop naturalist intelligence in students ?
17. Briefly describe multimedia learning process.
18. Differentiate between achievement test and diagnostic test.
19. What are the advantages and disadvantages of rubrics ?
20. What are the demerits of collaborative learning ?
21. Write a short note on reflective learning journals. (5×4=20 Marks)

PART – E

Answer **any one** question :

22. Explain the role of continuous and comprehensive evaluation in the present educational scenario giving special emphasis to natural science education.
23. Explain the procedure you adopt to prepare a multimedia package in natural science. (10×1=10 Marks)



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10. What is the use of field work diaries ?

(1×5=5 Marks)

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PART – E

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