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Name.....

Reg. No.....

**SECOND SEMESTER B.Ed. DEGREE EXAMINATION, JUNE 2017**

Education

EDU 09 12—PEDAGOGIC PRACTICES IN PHYSICAL SCIENCE

(2015 Admissions)

Time : Three Hours

Maximum : 80 Marks

**Part I**

*Answer all questions.  
Each question carries 2 marks.*

1. What is a resource unit ?
2. What are web 2.0 tools ? List any *two*.
3. Distinguish between facts and concepts.
4. What is meant by "Objective Based Instruction".
5. Define Techno pedagogy.
6. Mention the different types of evaluation.
7. What are the major services in the internet ?
8. Describe the role of science teacher as a techno-pedagogue.
9. Give any *two* blogs for learning Physical Science at secondary level.
10. Enumerate the steps in lesson planning.

(10 × 2 = 20 marks)

**Part II**

*Answer any ten questions.  
Each question carries 4 marks.*

11. What is a Diagnostic Test ? How will you organize a remedial teaching program based on its result ?
12. Give TPCK analysis of any unit in Physics or chemistry at the secondary school level.
13. What is microteaching ? Explain how it is used for improving teacher effectiveness.
14. How will you create an *e*-portfolio ?
15. Suggest any *two* learning situations for developing the *e*-content on the topic "Radioactivity".
16. As a science teacher, how would you link your teaching with life and environment ?

Turn over

17. Explain the effectiveness of teacher tube and edublogs in supporting science teaching.
18. List the steps of content analysis with appropriate examples.
19. Explain the Mc Cormack and Yager's classification of instructional objectives.
20. List any *four* points to prepare a better power point presentation.
21. Explain digital taxonomy with illustration.
22. Suggest a web 2.0 tool. Explain its integration in the teaching learning process.

(10 × 4 = 40 marks)

### Part III

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

23. Critically evaluate the effectiveness of continuous comprehensive evaluation system implemented in the curriculum. What modifications do you suggest ?
24. Explain the taxonomy of Science Education formulated by Bloom with due emphasis to its revision.
25. Prepare a lesson template in constructivist format for any topic in Physics or Chemistry.

(2 × 10 = 20 marks)