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8329

Register Number  
Name of the Candidate:

**B.Ed. DEGREE EXAMINATION, May 2015**

**(FIRST YEAR)**

**504: INNOVATIONS, TRENDS AND APPROACHES IN  
TEACHING OF PHYSICS -I**

(New Regulation/Old Regulation)

Time: Three hours

Maximum: Old Regulation-80 marks  
New Regulation-75 marks

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**SECTION-A**

**(10×2=20)**

**Answer ALL questions in about 70 words**

1. What is meant by cultural values?
2. Define: Science
3. Mention any two characteristics of Scientists.
4. What are the types of concepts?
5. Give any two methods of Science Teaching.
6. Why do you need media selection in teaching of physics?
7. Give the importance of group methods.
8. What is Panel discussion?
9. What is Multimedia?
10. What is improvised aids?

**SECTION-B**

**(5×5=25)**

**Answer any FIVE questions**

**Each answer should not exceed 250 words**

11. Discuss the characteristics of Scientists.
12. Explain the objectives of group methods.
13. Explain the steps involved in Gagne's model of sequential learning.
14. How you will organise a seminar?
15. Describe the merits and demerits of Team Teaching.
16. How you will teach science through Group Discussion?
17. What are the parameters for media selection for science teaching?
18. Write short notes on use of improvisation aids in science teaching.

**SECTION-C****(2×15=30)****Answer the following questions****Each answer should not exceed 750 words**

19. a) State and explain Gagne's model of sequential learning.  
(OR)  
b) Discuss about any three values of teaching science.
20. a) How you will organize a symposium in physics teaching?  
(OR)  
b) Explain in detail the use of technology in class room teaching and give the appropriate methods for media selection.

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