



(Pages : 2)

**B – 2742**

Reg. No. : .....

Name : .....

**Third Semester B.Ed. Degree Examination, December 2016**  
**EDU 13.08 : EMERGING TRENDS AND PRACTICES IN PHYSICAL**  
**SCIENCE EDUCATION**  
**(2015 Admission)**

Time : 2 Hours

Max. Marks : 50

**PART – A**

I. Answer **all** questions by selecting the most appropriate **one** from the options given.

- 1) Heuristic method is developed, based on the principle 'Learning by doing' by  
a) Gardner      b) Gagne      c) Vygotsky      d) Ausubel
- 2) In which year science talent search programme was launched ?  
a) 1962      b) 1964      c) 1963      d) 1960
- 3) Which of the following is not a provision for the education of gifted children ?  
a) Acceleration      b) Enrichment programme  
c) Triple track plan      d) Remedial programme
- 4) Who designed Jigsaw technique ?  
a) Frank Lyman      b) William Gordon  
c) Jerome S. Bruner      d) Elliot Aronson
- 5) Theory of Multiple intelligences was developed by  
a) Gagne      b) Gardner      c) Vygotsky      d) Bruner

**(5×1=5 Marks)**

II. Answer **all** questions in **one** word/phrase.

- 6) Write one principle of brain based learning strategy.
- 7) Mention any one example for online assessment tool.
- 8) What does NCERT stands for ?

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- 9) \_\_\_\_\_ is the first satellite for education launched by ISRO in 2004.
- 10) Write any two merits of concept mapping. (5×1=5 Marks)

## PART - B

III. Answer **all** questions **not** exceeding in **one** paragraph. **Each** question carries 2 marks.

- 11) What is digital text ?
- 12) Explain the concept of self reflection.
- 13) What do you mean by Buzzer session ?
- 14) Explain experimental learning approach.
- 15) What are the purpose of blended learning ? (5×2=10 Marks)

## PART - C

IV. Answer **any four** questions **not** exceeding in **one and half** pages. **Each** question carries 5 marks.

- 16) Suggest any two learning situations for developing the e-content on any topic in Physical Science.
- 17) Describe the strategies to promote reflection.
- 18) What do you mean by Virtual library ? Mention four sites of virtual library.
- 19) Describe the advantages of CCE.
- 20) Distinguish between method of teaching and strategies of teachings.
- 21) How will you observe your students ? (4×5=20 Marks)

## PART - D

V. Answer **any one** question **not** exceeding 3 pages.

- 22) What is rubric ? Describe the merits of rubric. Illustrate the rubric for assessing projects in Physical Science.
- 23) Prepare a tool for reflective analysis and reflect on your teaching. (1×10=10 Marks)