



## B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER 2021

## Second Semester

Pedagogic Course - EDU204.17 - PEDAGOGICAL DIMENSIONS OF  
PHYSICAL SCIENCE

2018 Admission Onwards

A9E00ED2

Time: 2 Hours

Max. Marks : 50

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

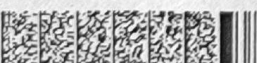
1. Who is the proponent of cognitive constructivism?
2. Who is the proponent of social constructivism?
3. What is Recapitulation?
4. Write two uses of achievement test.
5. Write two advantages of objective type test items.
6. Define Pedagogical Content Knowledge.
7. Define techno pedagogue.
8. Name two nuclear power stations in India.
9. Write mirror equation.
10. List two uses of electromagnets



(10×1 = 10)

**Part B***Answer any five questions in about half a page**Each question carries 2 marks.*

11. Is there any significance for behaviourism in teaching science at secondary level? Substantiate.
12. How constructivism is used in Science teaching to generate knowledge?



13. What is the importance of remedial teaching?
14. What is meant by teacher evaluation?
15. Identify the different knowledge areas present in TPACK.
16. Give few examples for colloids around us.

(5×2 = 10)

### Part C

Answer any **five** questions in about **one or two pages**

Each question carries **4 marks**.

17. What should be the aims of education according to critical pedagogy?
18. Describe year planning with an example.
19. Briefly explain the phases of diagnostic test construction
20. Briefly explain the steps involved in the construction of any one self-assessment tool.
21. Discuss with examples how will you integrate technology for enriching teaching and learning of Physical Science
22. Explain any two learning activities to teach the law of conservation of momentum.
23. Write any four specific objectives for the topic 'neutralisation'.

(5×4 = 20)

### Part D

Answer any **one** question in about **three or four pages**.

Each question carries **10 marks**.

24. Briefly explain the theory of multiple intelligence suggested by Howard Gardner. What are its educational implications?
25. Prepare a lesson for a period of 40 minutes on a topic of your own choice from Physical Science.

(1×10 = 10)