220100018A

QP CODE: 220100018A

Reg No : .....

Name : .....

B.Ed DEGREE (REGULAR / SUPPLEMENTARY) EXAMINATIONS, MARCH 2022

First Semester

PEDAGOGIC COURSE - EDU104.17 - UNDERSTANDING THE DISCIPLINE OF PHYSICAL SCIENCE EDUCATION

2018 Admission Onwards

98C909EE

Time: 2 Hours Max. Marks : 50

Part A

*Answer **all** questions*

*Each question carries **1** mark.*

1. Write any two inventions in modern period of Science.
2. Write any two contributions of Madam Curie.
3. Write any two integrated process skills.
4. What is meant by 'science for sustainable development"?
5. Suggest an example to correlate science with daily life.
6. What is the advantage of narrating the biography of great scientists during teaching of physical science?
7. Define scientific literacy
8. Write two advantages of Bloom's taxonomy.
9. What is competency based instruction?
10. When a child decides to wear seatbelt after a lesson on momentum, which domain of Yager's classification is developed in the child?

(10×1 = 10)

Part B

*Answer any **five** questions in about **half a page***

*Each question carries **2** marks.*

11. Write any four major contributions of Dr. APJ Abdul Kalam in the field of science.
12. Analyse the significance of paradigm shift in physical science.

13. How can you correlate science with craft?
14. Analyse the significance of developing scientific attitude through teaching of physical science.
15. How revised Bloom's taxonomy differ from Bloom's taxonomy?
16. Briefly describe objective based instruction.

(5×2 = 10)

Part C

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

*Each question carries **4 marks.***

17. Explain fundamental and new branches of science with relevant examples.
18. Brirfly describe the characteristics of science.
19. Explain science as a social endeavour.
20. Illustrate the reciprocal relationship between Physics and Chemistry with suitable examples.
21. Explain the qualities of a person with scientific temper.
22. Differentiate between aims and objectives.
23. Explain the tripolar relation among objectives, learning experience, and evaluation.

(5×4 = 20)

Part D

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

*Each question carries **10** marks.*

24. Explain correlation. Distinguish between incidental and systematic correlation with suitable examples. Discuss the advantages of correlation.
25. What are the different values of teaching physical science? Explain each with suitable examples.

(1×10 = 10)