

QP CODE: 4010100118



Reg No :

Name :

B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER 2021

First Semester

Pedagogic Course - EDU104.17 - UNDERSTANDING THE DISCIPLINE OF PHYSICAL SCIENCE EDUCATION

2018 Admission Onwards

2C6C79B5

Time: 2 Hours

Max. Marks : 50

Part A

Answer all questions

Each question carries 1 mark.

1. Mention two fundamental branches of science.
2. Name any two Indian Physicists.
3. Mention two characteristics of science.
4. What is paradigm shift in physical science?
5. Give an example for correlation of science with mathematics.
6. Name any one scientist from physical science who can be highlighted as a model of the quality perseverance.
7. List any two qualities of a person having scientific temper.
8. Who revised Bloom's taxonomy?
9. Define "specification".
10. What is meant by application domain of objectives?

(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. Write any four contributions of Isaac Newton.
12. Process and product aspects of science are like two sides of the same coin- Explain.
13. How can you correlate science with daily life situations?
14. Mention the qualities of a person with scientific literacy.



15. Briefly describe competency based instruction.
16. How are objectives and evaluation related in objective based instruction?

(5×2 = 10)

Part C

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

Each question carries **4 marks**.

17. What are the recent developments in science?
18. Explain the meaning of science.
19. Explain the role of science in sustainable development.
20. Describe correlation. What are the merits of correlating different disciplines?
21. Explain the utilitarian value of teaching physical science with suitable examples.
22. What is the importance of developing learning objectives? Explain with the help of examples.
23. What is objective based instruction? How can you ensure that your instruction is objective based?

(5×4 = 20)

Part D

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

Each question carries **10 marks**.

24. Explain the evolution of science through ancient, medieval and modern periods.
25. Discuss the taxonomy of educational objectives proposed by Bloom with suitable examples.

(1×10 = 10)

