24805425

QP CODE: 24805425

Reg No : .....

Name : .....

B.Ed DEGREE REGULAR/REAPPEARANCE / MERCY CHANCE EXAMINATIONS, OCTOBER 2024

First Semester

BACHELOR OF EDUCATION

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

2019 Admission Onwards

88178001

Time: 2 Hours Max. Marks : 50

Part A

*Answer **all** questions*

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

1. Write any two relevance of learning history of science.
2. Write any two different sources of renewable energy.
3. What is meant by paradigm shift in physical science?
4. Mention two differences between process and product aspects of science.
5. Define Correlation.
6. Write any two qualities of a person having scientific attitude.
7. Define scientific literacy.
8. Mention any two characteristics of objectives.
9. Mention the three domains in Blooms taxonomy.
10. What is meant by competency based evaluation?

(10×1 = 10)

Part B

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

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

11. What are the major contributions of Albert Einstein?
12. Briefly describe the meaning of science.
13. Describe the reciprocal relationship between Physics and Chemistry.

14. How will you evaluate scientific creativity of your students?

15. The objective 'synthesis' is replaced by 'creating' in revised taxonomy.Why?

16. How are learning experience 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. Explain fundamental and new branches of science with relevant examples.

18. Briefly describe the characteristics of science.

19. Discuss the role of agriculture in sustainable development.

20. Science is correlated with history. Substantiate.

21. Explain the aims of teaching physical science at secondary level.

22. Write any eight specifications with examples under the domain comprehension.

23. Explain objective based evaluation.

(5×4 = 20)

Part D

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

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

24. What are the different values of teaching physical science. Explain each with suitable examples.

25. Explain taxonomy of educational objectives proposed by McCormack and Yager.

(1×10 = 10)