G 2387 (Pages : 2) Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, JULY 2018

Second Semester

EDU 204.17—PEDAGOGICAL DIMENSIONS OF PHYSICAL SCIENCE

(2015 Admission onwards)

[Regular/Supplementary]

Time : Two Hours Maximum : 50 Marks

Part A

Answer **all** *questions in one* **or** *two sentences each.*
Each question carries 1 *mark.*

1. What is Year plan ?
2. Give two purposes of unit planning.
3. What is competency based instruction ?
4. Mention the specifications of the objective 'Application'.
5. Give two process skills in science.
6. Write any two criteria for the evaluation of project.
7. What is self-reflection ?
8. List any two advantages of essay type questions.
9. Define objective based instruction.
10. Name any two teaching competencies required for a physical science teacher.

(10 × 1 = 10 marks)

Part B

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

11. What are the uses of smart based.
12. Explain the steps of blog creation.
13. Briefly explain on-line assessment tools.

15. Give the evaluation criteria of seminar.

16. What is LOCKARD ?

(5 × 2 = 10 marks)

Part C

Answer any **five** *questions in about* **a page** *each.*
Each question carries 4 *marks.*

17. Explain the tripolar relationship between objective learning experience and evaluation.

18. Discuss different ways and means to link technology to pedagogic content knowledge.

19. Briefly explain social constructivism theory.

20. How constructivist approach in lesson planning differs from Herbertian approach.

21. Write the difference between aims and objectives.

22. Explain objective based evaluation.

23. Differentiate formative and summative evaluation.

(5 × 4 = 20 marks)

Part D

Answer any **one** *question in about* **four pages.**
The question carries 10 *marks.*

24. Explain the Yager and M.C. Cormack classification of curricular objectives.

25. What is grading system ? Discuss the merits and demerits of grading system.

(1 × 10 = 10 marks)