4. (a) Write a note on concept attainment model for teaching of physical science. 7

(b) Elaborate the importance of audio-visual aids in teaching physical science. 7

5. (a) Elaborate the taxonomy of educational objectives associated with different domains of learning. 8

(b) What do you mean by instructional objectives? Why do we need to state instructional objectives in behavioural forms? 3+3=6

Or

6. (a) While planning for teaching it as required to have year plan and unit plan. Why? 6

(b) Elaborate the 5E model lesson plan. 8

7. (a) Differentiate between homogeneous and heterogeneous mixtures with suitable examples. 7

(b) How will you introduce the concept of "pH value" to your class X students? 7

Or

8. (a) Differentiate between reflection and refraction. 7

(b) What do you mean by conservation of momentum? Give an example. 7

9. Prepare a lesson plan for 45 minutes to teach any one chemistry topic of Class X. 14

Or

10. Prepare a lesson plan for 45 minutes to teach any one physics topic of Class X. 14

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UG (CBCS) EVEN SEMESTER EXAMINATION, 2024

EDUCATION

(B.Sc. B.Ed.)

4th Semester

Course No. : BSED – 403 (TOP–I)

(Teaching of Physical Science)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(*Answer all questions*)

1. (a) Explain the significance of observation and experimentation in science. 7

(b) "Science is both a process and product" justify the statement. 7

Or

2. (a) Elaborate scientific method and its steps in details. 7

(b) Outline the values that can be developed among learners through science teaching. 7

3. (a) Differentiate between child centric and teacher centric teaching. 8

(b) "Can we use heuristic method while teaching physical science" Explain. 6

Or