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Name.....

Reg. No.....

THIRD SEMESTER M.Ed. DEGREE EXAMINATION, NOVEMBER 2019

M.Ed.

MED 12.2.10—ADVANCED METHODOLOGY OF TEACHING NATURAL SCIENCE

(2017 Admissions)

Time : Three Hours Maximum : 80 Marks

I. Short Answer type/Annotation Questions. Answer *all* questions. Each question carries *2* marks :

1 'Science as a social endeavour'- Justify.

2 What is meant by integrated approach in science teaching ?

3 List any *two* advantages of demonstration in science education.

4 Write the scope of anecdotal records.

5 Write a short note on Green house.

(5 × 2 = 10 marks)

II. Short Essay Type Questions/Problems. Answer any *eight* questions out of twelve. Each question carries 5 marks :

6 Describe the term scientific literacy.

7 Comment on popular science.

8 Explain Cormack and Yager taxonomy of objectives.

9 Elucidate the role of lecture method in teaching natural science.

10 Write about conceptual change model.

11 Enumerate co-operative learning.

12 Write a note on project method.

13 Define the following vocabulary of science (i) Laws ; (ii) Concept ; (iii) Principles ; (iv) Theories ; (v) Hypotheses.

14 State the process skills of science.

15 Explicate Likert attitude scale.

16 Write a brief note on planning different types of project.

17 Bring out the role of constructivist strategies in science teaching.

(8 × 5 = 40 marks)

III. Long Essay Type Questions. Answer any *two* questions out of four. Each question carries 15 marks :

18 Chalk out an essay on the vision of KCF 2007 towards science curriculum.

19 Briefly explain (i) BSCS (ii) Nuffield curricular projects in science.

20 Justify the role of collaborative approach in natural science learning.

21 Explain professional development of science teacher.

(2 × 15 = 30 marks)