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Name.............................

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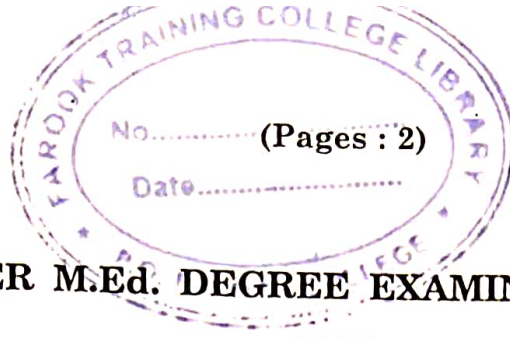
THIRD SEMESTER M.Ed. DEGREE EXAMINATION, DECEMBER 2020

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　List any *two* advantages of feedback upon students' performance.

2　What is meant by collaborative learning ?

3　Give short note on inductive approach.

4　State any *two* educational values of field trip.

5　Bring out the limitations of attitude scale.

(5 × 2 = 10 marks)

II. **Short Essay Type Questions/Problems :**

Answer any *eight* questions out of twelve. Each question carries 5 marks :

6　As a science teacher, how will you nurture science process skills among students.

7　Comment on BSCS educational project.

8　Explain 5 E learning cycle, add its significance in natural science teaching.

9　Describe the different types of rating scale.

10　Bring out the relationship between science and technology.

11　Elucidate the steps of project method .

12　Discuss the role of portfolios in science learning.

13　Highlights the advantages of using rubrics as assessment tool for academic task.

14　Write short notes on principles of professional development of science teachers.

15　Briefly explain the steps involved in scientific method.

Turn over

16 How constructivist strategies used for science teaching ?

17 Explicate Blooms revised taxonomy of educational objectives.

(8 × 5 = 40 marks)

III. Long Essay Type Questions :

Answer any *two* questions out of four. Each question carries 15 marks :

18 What is Rubric ? Explain its role as assessment tool in natural science education.

19 Elaborate the vision suggest by NCF 2005 with regard to science learning.

20 Explain self-assessment and peer assessment to science education.

21 Substantiate how Advance organizer model can be used for natural science teaching.

(2 × 15 = 30 marks)