

BACHELOR OF EDUCATION EXAMINATION, 2018

(1st Year, 2nd Semester)

PEDAGOGY OF SCHOOL SUBJECT-I**TEACHING OF MATHEMATICS-I****COURSE : B.ED 2.7a**

Time : Two hours

Full Marks : 50

The figures in the margin indicate full marks.

- d) Which are the different types of the tests suitable for testing in mathematics ? Illustrate them with examples. $2+5=7$
- e) Explain how diagnostic test is different from achievement test. 7
- f) What do you mean by Instructional objectives ? Discuss the importance of remedial teaching in the field of teaching-learning mathematics. 7
3. Answer **any five** about 250 words each : $5 \times 2 = 10$
- a) Define Analytic method of teaching mathematics ? 2
- b) Write any two Application Based Questions in Geometry. 2
- c) Mention any two correlations between Mathematics and Music ? 2
- d) Mention any two values of teaching Mathematics. 2
- e) Write down the two contribution of the Indian Mathematicians. 2
- f) Write any two aims of teaching mathematics ?. 2
- g) Mention any two new inventions to improve mathematics teaching. 2

1. Answer **any one** question : $12 \times 1 = 12$
- a) Write a lesson on any topic of your choice from 8th grade mathematics syllabus. 12
- b) Briefly discuss Problem Solving method in respect of teaching mathematics at secondary/higher secondary level with a suitable example. 12
2. Answer **any four** of the following in about 250 words each : $7 \times 4 = 28$
- a) Illustrate and discuss the inductive-deductive methods of teaching mathematics. 7
- b) What is unit plan ? Explain different steps of unit plan. 7
- c) What do you mean by Fact, Concept and Generalisation ? Give illustration of use of these in the field of teaching mathematics. $3+4=7$