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D.El.Ed. Examination
JANUARY, 2021

Second Year (2016 Revised Syllabus)
SCIENCE & MATHEMATICS PEDAGOGY
(English Medium)

Time : 11.00 to 1.00 Hrs.

Date : 28/01/2021

(4 Pages)

Max. Marks : 40

1. (A) Fill in the blank with suitable answer and rewrite the statement : 4

(1) Systematic and orderly arrangement of diverse and various aspects of knowledge is 1

(2) The theory of relativity was put forth by, a famous scientist. 1

(3) The questions in a unit test should aim at achieving of the unit. 1

(4) The population of a city shows that there are 45,64,830 men and 43,62,850 women. This statement imbibes the value 1

(B) Find out the odd word from the following : 4

(1) Multiple choice question, Double (two) choice question, Fill in the blank, Match the following. 1

- (2) Check list, Rating scale, Personality Questionnaire, Anecdotal notes. 1
- (3) The Great Indian Bustard, Titawi (Para Jacana), Siberian Crane, Mowwa (मौआ). 1
- (4) Research attitude, Experimental skill, Deep knowledge of science subject, Absence of scientific attitude. 1

2. Answer the following questions in 60 to 80 words each : 8

- (1) Write *four* uses of a school garden from the viewpoint of a Science teacher. 2

Or

Write the process of preparing *one* science aid from waste material for science corner.

- (2) What efforts will you take as a Mathematics teacher in order to develop "Accuracy and Precision" in your students ? 2
- (3) Write *four* properties of a square. 2

Or

Write *four* properties of a circle.

- (4) Write *four* behavioural changes that are observed in students with scientific attitude. 2

Or

Explain the importance of Answer Key and Marking Scheme.

3. Answer the following questions in 120 to 160 words each : 12

- (1) Aniket fainted on the school ground while he was playing in the afternoon sun. As a teacher what first aid treatment will you give in this situation ? 3

Or

Which learning experiences will you impart as a teacher while teaching "Postal Transactions" to students ?

- (2) Which activities will you carry out to increase the interest of students in science subject ? 3
- (3) How will you use the Demonstration method to teach any unit of science subject for standard 6th to 8th ? 3
- (4) Explain any *three* qualities of a science teacher. 3

Or

Write any *six* objectives of Mathematics at higher primary level.

4. Answer the following questions in 200 to 250 words each : 12

- (1) Prepare a tree-like structure of Science subject for standard 6th to 8th. 4

Or

Prepare a classified structure for Biology, a branch of General Science subject for standard 6th to 8th.

(2) Write *eight* points to explain how you will take care of the laboratory. 4

(3) Explain giving examples, which points will you consider while analysing the textbook of Mathematics based on internal characteristics. 4

Or

Explain giving examples which points will you consider while analysing the textbook of Science based on external characteristics.