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D.El.Ed. Examination
JUNE, 2024

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

Time : 3.00 to 5.00 Hrs.

Date : 13/6/2024

(4 Pages)

Max. Marks : 40

1. (A) Fill in the blanks with appropriate word and rewrite the sentence : 4

(1) Goitre is a disease caused due to deficiency of 1

(2) $3\frac{2}{3}$'s mixed fraction conversion into whole fraction will be 1

(3) A plan consists of related subject matter and related meaningful activities is plan. 1

(4) World Water Day is celebrated on day. 1

(B) Correct the given sentences and rewrite them : 4

(1) The motion of the butterfly in the garden is periodic motion. *random* 1

(2) Self-search method is in which discover facts and information is based on Demonstration Method. 1

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*thoreadistic
huereadive*

P.T.O.

(3) In a given binomial $5a + 2$, 'a' is a coefficient. ^{variable} 1

(4) 'Radio' is a Visual Aid. 1

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

(1) Science made human life easier, support this statement with two examples. 2

Or

Explain the relation between Science and Maths with the help of two examples.

(2) Name the non-conventional sources of energy used by you. 2

Or

What First Aid you will provide to snake bite and burns ? Write.

(3) Suggest any two activities for removal of superstition. 2

Or

Create two slogans for population control awareness. Write.

(4) Which tools/components you will use to evaluate field visit ? 2

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

(1) How will you manage correlation between the branches and sub-branches of Science ? 3

(2) What is unit plan ? Prepare an outline of a unit plan. 3

- (3) What values will you develop among your students as a Science teacher ? 3

Or

Explain, how should we motivate students for Mathematics subject.

- (4) What is objective type question ? Prepare *four* objective type of questions of Mathematics subject of any unit. 3

Or

What are short answer type of questions. Prepare *four* short answer type questions of Science subject of any unit.

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

- (1) What is a triangle ? Draw triangles based on its sides. 4

Or

P.c.p.a. @ $3\frac{1}{2}$ for Rs. 2,000 for the 3 years. Calculate interest and principal amount.

(2) What is 'Project Method' ? Explain different steps of project method.

4

Or

What is problem solving method ? Explain different steps of problem solving method.

4

(3) What are the essential qualities to be a good Science teacher ?

4