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N – 6732

Reg. No. :

Name :

First Semester B.Ed. Degree Examination, June 2022

EDU 04.9 : THEORETICAL BASE OF NATURAL SCIENCE EDUCATION

(2019 Admission onwards)

Time : 2 Hours

Max. Marks : 50

PART – A

Answer all questions.

1. Which of the following does not come under Mc Cormack and Yager's Taxonomy
 - (a) Process Domain
 - (b) Creativity Domain
 - (c) Attitude Domain
 - (d) Affective Domain
2. Who among the following elaborated and popularized Project method?
 - (a) Kilpatrick
 - (b) Thorndike
 - (c) Bloom
 - (d) Gagne
3. Select a process skill in science
 - (a) Recognizing
 - (b) Remembering
 - (c) Classifying
 - (d) Reproducing
4. A biologist who shared Nobel prize for the elucidation of the Genetic code
 - (a) H.G. Khorana
 - (b) M.S. Swaminathan
 - (c) Robert Hook
 - (d) Gregor Mendel

P.T.O.

5. Learning by doing is implied in which among the following?
- (a) Project method (b) Lecture method
(c) Supervised study (d) Biographical Method

(5 × 1 = 5 Marks)

PART – B

Answer **all** questions.

6. What is meant by Geoinformatics?
7. Who developed Taxonomy of Educational objectives?
8. Write any two characteristics of VLE.
9. Define Maxims of teaching with an example.
10. Give an important contribution of Dr. M.S. Swaminathan.

(5 × 1 = 5 Marks)

PART – C

Very Short Answer

Answer **all** questions.

11. What is meant by Scientific Literacy? Suggest any two ways to develop Scientific Literacy among children.
12. Write a short note on Digital text.
13. What is meant by Concept Mapping?
14. What is the role of teacher in developing the spirit of Heurism?
15. Write the merits of Peer tutoring.

(5 × 2 = 10 Marks)

PART – D

Short Answer

Answer any **four** questions.

16. Mention the characteristics of Scientific attitude.
17. Analyse the concept of CPD.
18. Describe Taxonomy of Science Education proposed by Mc Cormack and Yager.
19. Describe project method with suitable example.
20. Differentiate between Inductive and deductive approach.
21. Explain team teaching.

(4 × 5 = 20 Marks)

PART – E

Essay

Answer any **one** question.

22. Write a Conceptual overview of Bloom's taxonomy. What is the difference between Bloom's Taxonomy and Revised Bloom's Taxonomy.
23. What is meant by Scientific method? What are the steps involved in it? Explain with suitable example.

(1 × 10 = 10 Marks)
