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H – 2750

Reg. No. :

Name :

First Semester B.Ed. Degree Examination, November 2019

EDU 05.9 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS –
NATURAL SCIENCE

(2019 Admission)

Time : 2 Hours

Max. Marks : 50

PART – A

Answer **all** questions.

1. The number of ATP synthesised from one molecule of glucose during glycolysis is
 - (a) 4
 - (b) 2
 - (c) 6
 - (d) 1

2. Who is the father of modern medicine?
 - (a) Hippocrates
 - (b) Hanniman
 - (c) Alexander Fleming
 - (d) Edward Jenner

3. In Herbatian Approach, checking the understanding of students is known as
 - (a) Comparison
 - (b) Generalisation
 - (c) Application
 - (d) Recapitulation

P.T.O.

4. Which of the following is not related to a concept?
- (a) Name (b) Attribute
(c) Definition (d) Activity
5. Dog comes under the family
- (a) Canidae (b) Felidae
(c) Bovidae (d) Equidae

(5 × 1 = 5 Marks)

PART – B

Answer in **one or two** sentences and **all** questions to be answered.

6. What is the use of resource unit?
7. Give an example for improvised aid that can be used in Biology class room.
8. Name any two concepts related to the topic “photosynthesis”.
9. Define the skill of introducing a lesson.
10. What is a bulletin board?

(5 × 1 = 5 Marks)

PART – C

Answer **all** questions.

11. What is a living corner? Give two examples.
12. Draw the flow chart showing path of atmospheric air through respiratory tract.
13. Suggest two assignments for the unit “Evolution”.
14. How will you introduce the lesson “meristem”?
15. Differentiate year plan and unit plan.

(5 × 2 = 10 Marks)

PART – D

Answer **any four** questions.

16. Explain the 5 Es in constructivist approach of lesson planning.
17. Elucidate the significance of pedagogic content analysis.
18. Elaborate the teaching competencies needed by a teacher.
19. What are the steps in preservation of specimen.
20. Explain the activity that can be given to the students to teach the content “mutualism”.
21. Give the black board summary of the topic “neuron”.

(4 × 5 = 20 Marks)

PART – E

Answer **any one** questions.

22. Write an essay on microteaching giving emphasis to its relevance in teacher training programme.
23. Give an account of different types of materials that can be used for effective science learning.

(1 × 10 = 10 Marks)