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Reg. No. : .....

Name : .....

Second Semester B.Ed. Degree Examination, April 2020

EDU-09.8 : CURRICULUM AND RESOURCES IN DIGITAL ERA : PHYSICAL SCIENCE EDUCATION

(2019 Admission)

Time : 2 Hours Max. Marks : 50

PART – A

Choose the correct answer. Answer **all** questions. Each question carries **1** mark.

1. The term curriculum is derived from the Latin word 'Currere' which means

   (a) Knowledge (b) Research
   (c) Wisdom (d) Runway

2. The formal arrangement of the course of study which emphasis on the content to be taught in a fixed time is called

   (a) The curriculum (b) The Syllabus
   (c) The Text book (d) Time table

3. What does SAPA stand for?

   (a) Science A – Participatory Approach
   (b) Science A – Process Approach
   (c) Science A – Product Approach
   (d) Science A – Problem Approach

P.T.O.

4. Which one is an informal learning context?

(a) Science Library (b) Science laboratory

(c) Play ground (d) Science fair

5. A reservoir of Indian theses and dissertations

(a) Infoportal (b) Shodhganga

(c) MOOC (d) Inflibnet

(5 × 1 = 5 Marks)

PART – B

Answer **all** questions. Answer in **1** word or in a sentence. Each question carries **1** mark.

6. What is meant by core curriculum?

7. What is the scope of KVPY?

8. List out any two e-learning resources.

9. Define web-based learning.

10. Name the social movement that combines education with critical theory.

(5 × 1 = 5 Marks)

PART – C

Answer **all** questions. Each question carries **2** marks.

11. How will you organize a science field trip?

12. Explain the importance of issue-based curriculum in Science.

13. Define topical approach to curriculum organization.

14. What is the significance of community based resources in learning science?

15. Define learning management system.

(5 × 2 = 10 Marks)

PART – D

Answer **any four** questions. Each question carries **5** marks.

16. Discuss the role of science teacher as a researcher.

17. Describe the principles of curriculum construction.

18. Differentiate between concentric and spiral approaches.

19. What is the relevance of Science Fairs and Exhibition?

20. Give the importance of activity based curriculum.

21. What type of first aids you may provide to the common accidents in science laboratory?

(4 × 5 = 20 Marks)

PART – E

Answer **any one** question. Each question carries **10** marks.

22. Briefly explain the various digital resources in learning of physical science and the challenges faced by a science teacher in the digital era.

23. Discuss the role of various informal learning contexts in science learning.

(1 × 10 = 10 Marks)

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