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C – 1719

Reg. No. :

Name :

Second Semester B.Ed. Degree Examination, April 2017

EDU 09.08 : Curriculum and Resources in Digital Era :

PHYSICAL SCIENCE EDUCATION

(2015 Admission)

Time : 2 Hours

Max. Marks : 50

PART – A

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

(5×1 = 5 Marks)

1. Eligibility for appearing the Science Talent Search program is
 - a) Class V
 - b) Class VII
 - c) Class X
 - d) Class XII
2. The focus of learning management system is to
 - i) Deliver on line courses to learner
 - ii) Create course content
 - iii) Help in course administration
 - iv) Enhance and support class room teaching
 - a) i, ii, iii
 - b) i, iii, iv
 - c) ii, iii, iv
 - d) i, ii, iv
3. Which of the following is characteristic of informal learning ?
 - a) sequenced
 - b) compulsory
 - c) structured
 - d) voluntary
4. Chairman of ANERT in Kerala is
 - a) Governor
 - b) Chief Minister
 - c) Minister for Power
 - d) Secretary to Government, Dept. of Power.

P.T.O.



5. KVPY is a program initiated by
- UGC
 - NCERT
 - Department of Science and Technology
 - NCST

PART – B

Answer **all** questions. Answer in a word or sentence. **Each** question carries **one** mark. **(5×1 = 5 Marks)**

- List two advantages of nature rambling.
- Name two nongovernmental organizations that helps to popularize science in India.
- Expand INFLIBNET.
- Name two websites that can be incorporated in a Physical Science lesson plan.
- Who organizes and conducts the science olympiad ?

PART – C

Answer **all** questions. Answers to be brief and to the point. **Each** question carries **two** marks. **(5×2 = 10 Marks)**

- Distinguish between curriculum and syllabus.
- Suggest two issues and their corresponding areas in science that you may adopt for issue based learning.
- Discuss the relevance of CD-ROM in a science classroom.
- Write four relevant questions and their correct answers that you will include for a physical science quiz competition for HSS students.
- Write a short note on Hot potatoes.



PART - D

Answer **any four** questions. **Each** question carries **five** marks. (4×5 = 20 Marks)

16. As a science teacher what steps will you take to enable your students to 'think through science' ?
17. What do you mean by E-learning ? What are the advantages and disadvantages of E-learning process ?
18. Explain the role of a science teacher as a researcher.
19. Bring out the educational values of science fairs and science exhibitions.
20. Explain Banking concept of Education.
21. Take any suitable area in Physical Science and explain how it can be taught through the concentric approach.

PART - E

Answer **any one** question. The question carries **ten** marks. (1×10 = 10 Marks)

22. What do you mean by community based resources ? Illustrate how you will utilize the different community based resources for effective teaching of physical science.
 23. Science can never be taught in isolation. Discuss how the concept of correlation can be used as an effective measure towards integration of science with other subjects.
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