



Reg. No. :

Name :

Second Semester B.Ed. Degree Examination, April 2019
EDU 09.8 : CURRICULUM AND RESOURCES IN DIGITAL ERA : PHYSICAL
SCIENCE EDUCATION
(2015 Scheme)

Time : 2 Hours

Max. Marks : 50

PART – A

- I. Answer **all** questions by selecting the most appropriate one from the options given.
- 1) The formal arrangement of the course of study with emphasis on the content to be taught in a fixed time is called
 - a) The curriculum
 - b) The syllabus
 - c) The textbook
 - d) Time table
 - 2) Which of the following principles of curriculum construction says that, “The aim of education should be to prepare a child to lead an adult life” ?
 - a) The principle of activity centeredness
 - b) The principle of community centeredness
 - c) Forward looking principle
 - d) Motivational principle
 - 3) Science – A Process Approach (SAPA) was determined in 1960’s by a project funded by
 - a) NCERT
 - b) SCERT
 - c) AAS
 - d) PSSC
 - 4) ANERT is an example for
 - a) Formal community based resource
 - b) Informal community based resource
 - c) Non-governmental organization
 - d) None of the above



5) Which among the following is an example of a learning management system ?

- a) ERIC b) IEEXplore c) MOODLE d) AGRICOLA

(5×1=5 Marks)

II. Answer **all** questions in **one** word or **one** phrase.

6) Write the full form of SCERT.

7) Name the type of correlation which is natural.

8) Name the curriculum approach, in which emphasis is given to organizing the science course in accordance with the evolution of science.

9) Give an example of web 2.0 tool.

10) Give the name or the name of the company of an educational CD for higher secondary school.

(5×1=5 Marks)

PART – B

III. Answer **all** questions **not** exceeding in **one** paragraph. **Each** question carries **2** marks.

11) What do you mean by nature rambling ?

12) What is the objective of KVPY programme ?

13) Explain the role of science teacher as a researcher.

14) How will you correlate science with craft ?

15) Describe the scope of national talent search exam.

(5×2=10 Marks)

PART – C

IV. Answer **any four** questions in **one** and **half** pages. **Each** question carries **5** marks.

16) Explain the role of laboratory in physical science learning.

17) What are the merits and demerits of a subject centered curriculum ?

18) Differentiate between concentric and spiral approach in curriculum organization.

19) Write a short note on critical pedagogy.

20) What is the need and importance of field trips ?

(4×5=20 Marks)



PART – D

V. Answer **any one** question **not** exceeding **3** pages.

21) Discuss the role of e-resources in science learning.

22) 'Informal learning environments are effective in helping students gaining cognitive, emotional and psychomotor behaviours.' Substantiate this statement by analyzing how the various Informal learning contexts can be used to supplement science learning.

(1×10=10 Marks)
