

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** marks.

1. Which one is not an informal learning context?
 - (a) Science Library
 - (b) Play ground
 - (c) Planetarium
 - (d) Music room
2. The unwritten, unofficial and often unintended lessons, values and perspectives that students learn in school is known as
 - (a) Integrated curriculum
 - (b) Hidden curriculum
 - (c) Core curriculum
 - (d) None of the above
3. Science A Process Approach (SAPA) was determined in the 1960's by a project funded by
 - (a) NCERT
 - (b) SCERT
 - (c) AAS
 - (d) PSSC

4. The curriculum approach in which emphasis is given to organize the science course in accordance with the evaluation of science is
- (a) Spiral curriculum (b) Concentric approach
(c) Topic approach (d) Historical approach
5. While teaching lenses, a physics teacher mentions about the working of human eye, it is an example of
- (a) Systematic correlation (b) Incidental correlation
(c) Positive correlation (d) Negative correlation

(5 × 1 = 5 marks)

PART – B

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

6. What is critical pedagogy?
7. Give the full form for CASE.
8. Distinguish between a picnic and a fill trip.
9. List any two web 2.0 tools.
10. What are the important registers to be kept in a science laboratory.

(5 × 1 = 5 marks)

PART – C

Answer **all** question. Each question carries **2** Marks.

11. Teaching of science can be correlated with life and environment. Support you answer with suitable example.
12. Enumerate the important aspects of science curriculum in NCF (2005).

13. Explain the role of CD– ROM's learning of science.
14. What are the outcomes and benefits attained by science students while using various e–resources?
15. Briefly explain spiral approach to curriculum organization.

(5 × 2 = 10 marks)

PART – D.

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

16. Distinguish between core and subject centred curriculum.
17. How will you organize a science club in your institution?
18. Discuss the role of informal learning contexts in science learning.
19. Write a short note on learning management system.
20. What are the challenges faced by science teacher in this digital era?
21. Discuss any two major areas of research in physical science Education.

(4 × 5 = 20 marks)

PART – E

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

22. Explain the educational value of science library. How will you organize a science library.
23. Discuss the various governmental and non-governmental movement for popularising science.

(1 × 10 = 10 marks)