

**Reg. No. :** .....

**Name :** .....

**Second Semester B.Ed. Degree Examination, April 2020**

**EDU-09.9 : CURRICULUM AND RESOURCES IN DIGITAL ERA : NATURAL  
SCIENCE EDUCATION**

**(2019 Admission)**

Time : 2 Hours

Max. Marks : 50

**PART – A**

Answer **all** questions.

1. Encyclopedia of Science is a

(a) Science magazine

(b) Journal

(c) Reference book

(d) Experimental book

2. The software that includes five applications to create exercises for the world wide web

(a) Teacher tube

(b) Hot potatoes

(c) Jing

(d) Edu-blogs

3. BSCS is a curricular reform in

(a) USA

(b) England

(c) India

(d) Sweden

**P.T.O.**

4. The curriculum organization which is upward and outward
  - (a) Concentric approach
  - (b) Disciplinary approach
  - (c) Interdisciplinary approach
  - (d) Spiral approach
5. An arrangement for rearing creatures like earth worms, frogs and soil insects
  - (a) Terrarium
  - (b) Aquarium
  - (c) Vivarium
  - (d) Planetarium

**(5 × 1 = 5 Marks)**

PART – B

Answer **all** questions. Answer in **1** sentence.

6. What is family farming?
7. Give the relevance of virtual dissection.
8. What are supplementary readers?
9. Write any one use of e-resources in the teaching learning of Natural Sciences.
10. What are living corners?

**(5 × 1 = 5 Marks)**

## PART – C

Answer **all** questions. Answer in **2** or **3** sentences.

11. Distinguish between incidental correlation and systematic correlation.
12. Write a short note on Edublogs.
13. Give an account of Nano-technological applications in medical field.

14. List the factors that affect curriculum organization.
15. What is the scope of virtual labs?

**(5 × 2 = 10 Marks)**

#### PART – D

Answer **any four** questions. Answer in **6 to 8** sentences.

16. Explain the significance of digital resources in Science Learning.
17. Briefly explain the existing waste disposal measures in solving environmental issues.
18. Discuss the different approaches of curriculum organization.
19. Give a brief introduction about (a) Human Genome Project (b) Tissue culture.
20. Enumerate the main features and guiding principles of Science curriculum of NCF 2005.
21. Write an account on any four man-made resources.

**(4 × 5 = 20 Marks)**

#### PART – E

Answer **any one** question. Not exceeding **2** pages.

22. Analyze any one High School Biology text book on the basis of characteristics of a good Science text book.
23. What is the significance of a Science Laboratory? How will you design a High School Biology laboratory for your school?

**(1 × 10 = 10 Marks)**