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C - 1720

Reg. No. :

Name :

Second Semester B.Ed. Degree Examination, April 2017
EDU 09.09 : CURRICULUM AND RESOURCES IN DIGITAL ERA :
NATURAL SCIENCE EDUCATION
(2015 Admission)

Time : 2 Hours

Max. Marks : 50

PART - A

Answer **all** questions.

1. An agricultural farm is an example for
a) Natural resource b) Man-made resource
c) Activity resource d) Human resource
2. BSCS teachers hand book developed by
a) Willian V. Mayor b) D. W. Allen
c) Joseph J. Schwab d) H. E. Armstrong
3. Organs that are transplanted within the same person's body are called
a) Isograft b) Xenograft c) Autograft d) Allograft
4. The first genetically modified organism is
a) B. T. Cotton b) Fungus c) Bacteria d) Virus
5. The head quarters of 'INFIBNET' is at
a) Ahemedabad b) Delhi c) Bengaluru d) Hyderabad

(5×1=5 Marks)

PART - B

Answer in **one** or **two** sentences and **all** questions to be answered (**Very** short answer).

6. What is meant by hidden curriculum ?
7. Suggest an improvised aid to demonstrate the principle of inspiration and expiration in man.
8. What is meant by virtual classroom ?
9. Suggest two websites for biology reference collection.
10. What do you mean by 'immune response' in organ transplantation ?

(5×1=5 Marks)

P.T.O.



PART - C

Answer **all** questions (Short answer).

11. Differentiate concentric and spiral curriculum.
12. Write any two merits of using supplementary readers. How will you make use of it ?
13. What do you mean by environmental inputs ?
14. Write a short note on e-learning materials.
15. What are the advantages of tissue culture ?

(5×2=10 Marks)

PART - D

Answer **any four** questions (Short essay).

16. Describe the salient features of NCF 2005.
17. Explain various activities that can be organized by science club for learning biology.
18. Critically evaluate the merits and demerits of using computers in science education.
19. Write a note on the meaning, relevance and scope of virtual laboratory when compared with conventional laboratory.
20. What is family farming ? How will you relate family farming with sustainable development ?
21. Give an account of genetic engineering and its application in human welfare.

(4×5=20 Marks)

PART - E

Answer **any one** question (Essay).

22. Principles are the foundations on which the curriculum is built upon. Comment. Elaborate the principles of curriculum construction.
23. Write an account on various print materials as teaching learning resources. Describe the qualities of a good biology textbook.

(1×10=10 Marks)