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Reg. No. :

Name :

**Second Semester B.Ed. Degree Examination, May 2016
(2015 Admn. Onwards)**

**EDU – 09.09 : CURRICULUM AND RESOURCES IN DIGITAL ERA :
Natural Science Education**

Time : 2 Hours

Max. Marks : 50

PART – A

Answer **all** questions.

1. Aquarium is an example for
a) 3D aid b) Activity aid c) Display aid d) 2D aid
2. Which of the following is known as BSCS 'fourth version' ?
a) Molecules to man b) Patterns and processes
c) An enquiry into life d) High school biology
3. Organ that cannot be transplanted is
a) Heart b) Pancreas c) Lungs d) Brain
4. Human genome project completed in the year
a) 2002 b) 2003 c) 2004 d) 2006
5. 'Ubuntu' is related with
a) Website b) e-learning material
c) Blog d) Operating system **(5×1=5 Marks)**

PART – B

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

6. What do you mean by community resources in learning biology ?
7. Define core curriculum.

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8. Write any two advantages of teachers hand book.
9. What is meant by 'totipotency' ?
10. Mention any two on line resource for learning biology. **(5×1=5 Marks)**

PART – C

Answer **all** questions (short answer)

11. State any four issues mentioned in KCF 2007.
12. What is meant by resource unit ? How is it different from reference books ?
13. Name any two registers to be maintained in the biology laboratory.
14. How will you make use of 'You tube' resources in the learning of biology ?
15. Write a short note on G.M. crops. **(5×2=10 Marks)**

PART – D

Answer **any four** questions (short essay)

16. Briefly explain the characteristics of a good biology text book.
17. By citing examples explain the correlational approach in biology curriculum.
18. How will you organize a science fair ? What are the educational values of science fair ?
19. Give an account of various learning materials and resources developed by SIET and IT @ School.
20. What do you mean by waste management ? Describe the various methods of waste disposal.
21. As a biology teacher how can you effectively make use of social media in teaching learning process. Explain. **(4×5=20 Marks)**

PART – E

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

22. By citing examples, give an account of the various types of resources that can be used for teaching and learning biology.
23. What are the major principles of curriculum construction ? Critically evaluate the existing biology curriculum at secondary level. **(1×10=10 Marks)**