

G4712

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Reg. No.....

Name.....

B.Ed. DEGREE (CREDIT AND SEMESTER) EXAMINATION, APRIL 2019

Second Semester

**EDU 205.18—CURRICULUM AND RESOURCE DEVELOPMENT IN NATURAL
SCIENCE EDUCATION**

(2018 Admissions—Regular)

Time : Two Hours

Maximum : 50 Marks

Part A

Answer all questions in one or two sentences.

Each question carries 1 mark.

1. Give an example of the function of a curriculum so as to realize values.
2. What is meant by undifferentiated curriculum ?
3. Suggest any two aspects related to the hidden-curriculum for the topic digestion in human beings.
4. Suggest any two reference materials which can be stored in a science library.
5. What is meant by non-book resources in a science library ?
6. List out any four methods to utilize science library resources in an enjoyable way for the school children.
7. Differentiate laboratory manuals and instructional cards.
8. List out any two registers to be maintained in the science laboratory.
9. What are the common hazards or dangers associated with science laboratory ?
10. List out any two uses of teacher's handbook.

(10 × 1 = 10 marks)

Part B

Answer any five questions in about half a page.

Each question carries 2 marks.

11. Write any four functions served by a curriculum.
12. Explain the concept of the sociological foundation of curriculum development.
13. List out any four journals which can be included in biology library.
14. Write down any four important precautions to be taken in a science laboratory.

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15. Suggest any four topics in biology where controversy may appear while presenting in a textbook.
16. What are the advantages of a teacher's handbook ?

(5 × 2 = 10 marks)

Part C

Answer any five questions an about one page.

Each question carries 4 marks.

17. Explain the foundations of curriculum development.
18. Explain different types of curriculum.
19. Differentiate topical and unit approaches in curriculum development.
20. What are the main factors contributing to curriculum organization ?
21. What are the characteristics of a progressive curriculum for science education ?
22. What are online resources for teaching Natural Science ?
23. Explain how field trip is utilized as a learning resource to teach the concept of Ecosystem ?

(5 × 4 = 20 marks)

Part D

Answer any one question in about four pages.

The question carries 10 marks.

24. What are the different instructional support systems for teaching Natural science ?
25. Explain the steps involved in the construction of an e-workbook. Give a layout of the e-workbook prepared for a topic in Natural science.

(1 × 10 = 10 marks)