UG (CBCS) EVEN SEMESTER EXAMINATION, 2023

EDUCATION (B.Sc. B.Ed.)

4th Semester

Course No. : BSED - 404 (TOB-I)

(Teaching of Biology)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer all questions)

1. (a) State the concept of science and natural science. 7

   (b) Explain the steps of demonstration and experiment with suitable examples of natural science. $3^1/_2+3^1/_2=7$

Or

2. (a) Elaborate the aims of teaching natural science. 7

   (b) Highlight the objectives of teaching natural science at higher secondary levels with reference to NCF - 2005. 7

3. (a) Write the concept, steps and format of heuristic method. 2+3+2=7

(b) Explain the concept, phases and format of concept attainment model. 2+3+2=7

Or

4. (a) What is teaching aids? Describe the utility of various projected teaching aids in natural science. 2+5=7

(b) What is fieldtrip? Discuss its planning, execution and evaluation process. 2+5=7

5. (a) Explain Bloom's Taxonomy with special reference to cognitive domains. 7

(b) What are instructional objectives of natural science and its specific objectives on behavioural terms. 7

Or

6. (a) Distinguish between behaviouristic model of lesson plan and constructivist lesson plan. 7

(b) Elaborate the process of pedagogical analysis. 7

7. (a) State and structure and functions of mitochondria. 7

(b) Explain the steps of pedagogical analysis of chromosome for class IX students. 7

Or

8. (a) Elaborate the structure and functions of nervous tissue. 7

(b) Frame the general and specific objectives of teaching porifera. 7

9. (a) Explain C_3 cycle. 5

(b) Prepare an activity plan on respiration for the teaching of class XI students. 9

Or

10. (a) Illustrate autotrophic nutrition. 5

(b) Prepare an activity plan on excretion of waste product for the teaching of class X students. 9

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