



QP CODE: 24803319



Reg No : .....

Name : .....

**M.Ed. DEGREE(CSS) EXAMINATION, MAY 2024**

**Fourth Semester**

Faculty of Education

M.Ed

**ELECTIVE COURSE - ED820407 - ADVANCED METHODOLOGY AND  
PEDAGOGICAL PRACTICES OF SCIENCE EDUCATION**

2019 Admission Onwards

D7EC8921

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. Explain natural selection.
2. Mention any two benefits of science education in school.
3. What is the expansion of SSA? When was SSA launched by government of India?
4. What is Integrative reconciliation?
5. What is e-journal? Write the name of any two e- journals in Science.
6. What is meant by Internal Evaluation?
7. What is meant by Assessment of Learning Experience?
8. What are the features of a good Performance Assessment?
9. What does professional autonomy mean?
10. Mention two coping strategies which will reduce teacher's burn out.

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Briefly Explain the social significance of Science Education.
12. Analyse the importance of cognitivist approach in science education.





13. What are the major educational implications of Multiple Intelligence theory?
14. Explain Deductive approach to science learning with example.
15. Explain different co-curricular activities in science teaching for meeting diverse needs of children.
16. Explain the advantages and disadvantages of Self Assessment in Science Education.
17. Why is it important to continue your education as a teacher?
18. What should a research journal include?

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight **5** each.*

19. Compare Bloom's taxonomy with revised taxonomy by Anderson and Krathwohl.
20. Evaluate the main features of interdisciplinary and integrated curriculum.
21. Discuss any five strategies of science Instruction.
22. "Teachers are the torch bearers of change, change for the whole nation, for the whole world". As a science teacher, how can you substantiate this statement?

(2×5=10 weightage)

