LONG QUESTIONS

1. What is science .Discuss its nature and scope of science. Give any two definitions of Science.

2. Enumerate various areas influence by Science

3. The need of society has always played a very important role in the development science. Discuss.

4. Give practical examples explaining the relationship between science and society.

5. Discuss how science has claim its place in school curriculum.

6. What are reviews given by Kothari Commission and Secondary Education Commission regarding position of science in school? Give at least two examples of each.

7. State general objectives of Science education at Secondary stage. Can they also be the objectives at middle and Senior Secondary stages?

8. Differentiate between 'aims' and 'objectives' of science teaching. Illustrate with examples.

9. What should be the main aims and objectives of chemistry teaching in Higher Secondary schools? To what extent have our schools been successful to attain these aims? What steps should be taken to realize these objectives which are not being achieved at present?

10 Discuss the Cognitive and Affective Domains of Bloom's taxonomy.

11 "Development of Scientific Attitude is the most important aim of teaching science in our schools."

12Comment upon it and discuss different techniques through which this aim can be achieved?

13 Justify skill development as an aim of science teaching. List and discuss various skills which you develop among your students as a science teacher.

14. Define Pedagogical Analysis. Is there any difference between Pedagogical Analysis and Content Analysis? Justify your answer with suitable examples.

15. Enumerate various steps of Pedagogical Analysis.

16. Choose any topic or science from secondary of senior secondary classes and do pedagogical analysis to teach that topic effectively.

17 Give a critical appraisal of syllabus of general science for secondary school of your state?

18Analyse what teaching learning material have been developed by a state for different stages of learning. Analyse them in the light of NCF 2005.
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19Explain the following terms:
(i) Curriculum Framework
(ii) Curriculum Development

20. Discuss various principles of Curriculum Construction.

21. What are Audio Visual Aids? How far are they useful for science teaching?

22. A Teaching Aid however good it may not be replace teachers. Discuss.

23. What do you mean by learning experiences? Explain Edgar Dale's of learning experiences.

24. Choose any topic of science and do pedagogical analysis to teach effectively in science classroom?

25. What are the functions of good text-book?

26. What criteria will you keeping mind if you have to select a book text-book of science/physics/chemistry?

27. Critically evaluate the text book of ix th class recommended by CBSE

28. Briefly discuss the factors which affect curriculum organisation. Critically comment upon existing physical science curriculum and suggest improvements.

SHORT QUESTIONS

1. **What is science? Write its two definitions.**
2. **Define integration?**
3. **Explain integration of ICT as a teaching aid in teaching of science.**
4. **Discuss the relation between science and society?**
5. **Discuss the Cognitive domain of Bloom's taxonomy**

6. **Discuss the affective domain of Bloom's taxonomy**
7. **. Differentiate between 'aims' and 'objectives' of science teaching.**
8. **What are the three domains of educational objectives?**
9. **Define Pedagogical Analysis.**
10. **What is the difference between Pedagogical Analysis and Content Analysis?**
11. **Classification of teaching aid**
12. **Discuss various principles of Curriculum Construction**
13. **Note on CEdgar Dale's of learning experiences.**
14. **Explain the criteria of good curriculum.**
15. **Discuss the advantages of audio-visual materials in teaching of science.**
16. **Explain learner cantered curriculum in science.**
17. **Write about qualities of good text book.**
18. **Draw the diagram of Edgar cone of learning experience.**
19. **Describe different approaches to curriculum construction.**
20. **Critical appraisal of present day science curriculum.**
21. **Explain the use of periodic table and charts as teaching aid.**
22. **What is an effective learning experience?**