

(127)

SEAT No. _____

No. of Printed Pages : 1

Sardar Patel University, Vallabh Vidyanagar
Academic Year 2017-18
S.Y. B.Ed. (Advanced) Semester- IV
External Examination
UE04EB2A13
Innovative Trends in Teaching Science

Date: 04/04/18
Day: Wednesday

Total Marks: 70
Time: 2:00 to 5:00 pm

Instructions:

- All the Six questions are compulsory.
- The figures in the brackets to the extreme right indicate marks.

Q.1 (A) Answer the following questions in brief. (Any Five) (15)

1. State concept of Scientific Attitude with its characteristics.
2. Write significance of OBEX.
3. Suggest three innovations in designing Evaluation Test in science.
4. Explain the concept of Inductive Teaching Method.
5. State the distinguishing features of GSEB textbook.
6. Give your views on need of research in science.

Q.2 Select a topic and prepare two supplementary materials of Higher Order Thinking Skills in teaching Science. (10)

OR

Q.2 Write short notes on the following topics.

1. Online Test: Advantages and Limitations
2. Diagnosis and Remediation

Q.3 Answer Any Two out of three in approximately 160 words each. (10)

1. For becoming an effective teacher of 21st century, which characteristics will you inculcate?
2. Discuss types of Advanced Organizer Model.
3. As a newly appointed teacher in school you have to construct a Science Club in your school. Which activities would you like to include in it? Why?

Q.4 Answer the following questions in brief. (Any Five) (15)

1. Write constitution of Science club and explain role of each member in brief.
2. Give five ways of developing scientific attitude among students of 5th grade.
3. Write significance of Pre-service teacher training programme.
4. Select a topic and prepare five concept cards on the same.
5. Discuss use of E-resources in science teaching.
6. Do schools should implement OBEX at secondary level? Justify your answer.

Q. 5 Answer the Following Questions in Brief. (10)

1. Write two advantages of Science Club.
2. Name three HOTS.
3. Write two limitations of using e-resources.
4. Explain the term Remediation.
5. Name two e-resources in teaching science.
6. Write two advantages of Inductive Method.
7. Write full form of GHSEB and ICSE.
8. Write two qualities of a good teacher.
9. Give two suggestions to strengthen Pre service training programme.
10. Name two past literature of science, studied by you.

Q. 6 Answer Any Two out of three in approximately 160 words each. (10)

1. Select a topic and write phases of Digital Planning.
2. Select a topic and prepare a worksheet of 10 marks.
3. Draft a speech on Importance of In-service programme for teachers.