

(12) Seat No.: _____

No. of Printed Pages : 2

Sardar Patel University
Academic Year 2016-17
First Year B.Ed (Advanced)
Semester – II
CBCS External Examination (NC)
UE02EB2A13
CPS – IV Methodology of Teaching Science

Date: 22/10/16

Day: Saturday

Marks: 70
Timing: 10:30 to 1:30pm

Instructions

- All six Questions are compulsory
- The figures in the bracket extreme right indicate marks.

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

1. How Group work and pair work is helpful in teaching science?
2. Explain the concept and nature of Science.
3. Discuss any one process of teaching science.
4. Discuss the significance of teaching aids in teaching science.
5. Describe the role of media in learning science. .
6. What are the objectives of teaching science?

Q. 2 Answer the following questions in approximately 180 words each. 10

Heuristic Method encourages curiosity among school students. Justify the statement in context to following points.

- i) Heuristic Method: Meaning and Concept
- ii) Merits of Heuristic Method

OR

Q. – 2 Write short notes on following topics.

1. Hypothesis and its Types
2. Botanical Garden

Q. – 3 Answer Any Two in approximately 160 words each. 10

1. Discuss the steps of inquiry learning approach in science teaching.
2. Which approach will you follow for organization of Science Curriculum?
3. How teaching science through virtual classroom help learner?

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

1. How Unit planning is different than Lesson planning?
2. What are the community resources in teaching Science? How is it useful?
3. What are the steps of Action Research?
4. Explain the types of Descriptive types of questions with example?
5. What are the advantages of preparing blue print?
6. State strategies of teaching science and explain Group work and Pair work in brief.

(P.T.O.)

Q. – 5 Answer the following questions in one or two sentences.

10

1. Write two advantages of using community resources in teaching science.
2. State four values to be inculcated through science teaching.
3. What do you mean by Inference?
4. Write two advantages of Lesson Planning.
5. Pen down two topics of science to be taught Aquarium.
6. Write two advantages of using models in teaching science.
7. What is the meaning of Inquiry?
8. Which are the two main approaches used in science curriculum?
9. Frame any one Multiple Choice Question.
10. Give name of two Mobile Applications in teaching science.

Q. – 6 Answer Any Two in approximately 160 words each.

10

1. Construct a worksheet including various types of task for any one topic of standard VIII.
2. How Self-observation is useful as an evaluation strategy in science teaching?
3. Select any topic of your choice and prepare two cartoons for the same.

— X —
(2)