

2051

Bachelor of Education (General)

First Semester

Paper: 1.1 & 1.2 [Opt. (xx)]: Pedagogy of Science
(Same for USOL Candidates of First Semester)
(In all mediums)

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I -IV.

x-x-x

UNIT - I

- I. Discuss with examples impact of advancement in science and technology on Indian society. (8)
- II. Discuss the aims and objectives of teaching science as per Bloom's Taxonomy of Educational Objectives. (8)

UNIT - II

- III. Explain project method of teaching science in detail by taking an example from high school curriculum with its advantages and limitations. (8)
- IV. Explain the Cooperative learning and Heuristic approach of teaching science. (4+4)

UNIT - III

- V. Explain the meaning of instructional resources in science. Classify instructional resources in science. (4+4)
- VI. Describe the use of any three instructional aids in science by giving criteria of their selection. (8)

UNIT - IV

- VII. Explain the concept and significance of Choice Based Credit System for discipline centered and interdisciplinary teaching learning in science. (2+6)
- VIII. Describe the meaning and basic features of MOOCs offered by different platforms and how MOOC's are different from other distance education courses. (5+3)

UNIT - V

- IX. Write short note on the following:-
 - a) Instructional objectives in behavioural terms
 - b) Use of e-books in science
 - c) Scientific attitude
 - d) Role of Science Olympiads for promotion and innovation in science education. (4x2)

x-x-x

(Hindi and Punjabi versions enclosed)

P.T.O.

