

**6020211**

**3. Ed / ~~AS~~ RBE EXAMINATION,  
MAY 2018.**

Second Year

Education

**PEDAGOGY OF PHYSICAL SCIENCE — Part 2**

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) What are the recommendations of various commissions since Kothari Commission to NCF 2005?  
Or  
(b) The resources used for teaching and learning physical science are based on Dale's Cone of Experience — Explain.
2. (a) Discuss on safety precaution measures used to maintain the science laboratory.  
Or  
(b) Physical science teachers adopt various tools and techniques to enhance their professional skills. Explain.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Describe the role of teachers in teaching physical science.
4. Write any two ways to motivate physical science learners to bring their previous knowledge into class rooms.
5. Differentiate curriculum and syllabus.
6. Write any three tools used to bring blended learning in the classroom.
7. What are the uses of science libraries?
8. Write any two approaches of laboratory work.
9. Enumerate the need for improvising the apparatus helpful for teaching physical science.
10. Compare and concept on formative and summative assessment.
11. What are the uses of project work and field diary?
12. Present the special quality required for the science teacher.
13. Teacher acts as an effective researcher — How?
14. Write the merits of continuous and comprehensive evaluation.

PART C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. What is meant by pedagogical shift?
16. Suggest few techniques to involve the learners in the process of teaching and learning.
17. What is simulation?
18. How are ICT tools helpful in classroom?
19. Bring the advantages of science corner.
20. Write any two objectives of laboratory work.
21. Science kits are helpful for the students of science — How?
22. What do you understand by National Talent Search Examination?
23. Write any two techniques used in an interview.
24. List out the need for ethical values among teachers today.

**6020211**

B.Ed. DEGREE EXAMINATION, DECEMBER 2018.

Second Year — Non-Semester

Education

PEDAGOGY OF PHYSICAL SCIENCE — PART 2

(From 2015 – 16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL questions.

1. (a) State and explain the (modified) Edgar Dale's cone of experience in learning.

Or

- (b) What are the advantages of conducting science fairs? Explain it briefly.

2. (a) State and explain on Continuous Comprehensive Evaluation (CCE).

Or

- (b) Discuss briefly on measures of central tendency.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Science as a process of constructing knowledge. Explain.
4. How to encourage your learners to raise questions to entrance the interactive learning environment?
5. Give the Kothari commission recommendations on science curriculum.
6. List out the advantages of using ICT in learning – teaching process.
7. Write short notes on science corner.
8. Write down the safety norms and precautionary measures on science laboratory.
9. Give the importance of maintenance of registers in science laboratory.
10. What is the importance of assessment and evaluation in science learning?
11. Write the advantages of field trips in science learning.
12. Explain the advantages of project work in science learning.

13. List out the characteristics of a good test.
14. List of the special qualities of a science teacher.

PART C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. What is curriculum?
16. List out any two uses of audio broad cost.
17. Write any two advantages of simulation techniques used in science class room.
18. Name any two useful websites related to science learning.
19. List out any two important functions of science club.
20. Write down any two important precautionary measures to be followed in science laboratories in schools.
21. What is improvisation of apparatus?
22. List out any two important purpose of assessment.
23. Write any two important need for pre-service professional development programme.
24. What is mean by field diary?