

Continuous Internal Assessment Test II - April 2021

SEMESTER IV

Class : II B.Ed./II B.Ed.Spl.Ed.

Time: 2 Hrs.
Max. Marks: 30

18BEDP14 /17BEDP14/18BDSP14 – School Subject I :
Professionalising Physical Science Education

Course Outcomes:

- CO1: Analyse the content and pedagogy of text books
CO2: Analyse and evaluate text books
CO3: Design and develop e - content material
CO4: Conduct an action research
CO5: Organise science exhibitions and science fairs

PART – A

6 x 1 = 6

Answer all questions
(Multiple choice questions)

1. Five planetariums are named after which National leader of India? CO5 K1
a. Mahatma Gandhi b. Narendra Modi
c. Jawaharlal Nehru d. Rajiv Gandhi
2. Which of the following is not a characteristic of research? CO4 K2
a. Research is not a process b. Research is not a problem-oriented
c. Research is not passive d. Research is systematic
3. "I am a god, a planet and I can measure heat. What am I?" CO5 K4
What is it?
a. Puzzle b. Tongue twister
c. Riddle d. Fact
4. When students express their opinions from two competing perspectives CO5 K3
with the goal of contradicting each other's arguments, it is called as
a. Discussion b. Seminar
c. Dialogue d. Debate
5. Which one among the following statements is correct in context to CO4 K2
research?
i) Research refers to a series of systematic activity or activities undertaken
to find out the solution to a problem.
ii) It is a systematic, logical and unbiased process wherein verification of
hypotheses, data analysis, interpretation and formation of principles can be
done.
iii) It is an intellectual inquiry or quest towards truth,
iv) It enhances knowledge.
- Select the correct answer from the codes given below:
a. i), ii), iii) and iv) b. i), ii) and iii)
c. ii), iii) and iv) d. i), iii) and iv)
6. Arranging Quiz competition under Science club is a/an CO5 K2
a. Extracurricular activity c. Co curricular activity
b. Academic activity d. Curricular activity

PART – B

2 x 6= 12

Answer any two questions

(2 out of 4 Questions)

Answer should not exceed 400 words

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| 7. | State any 3 research topics related to Physics/Chemistry and identify the dependent, independent and moderator variables in it. | CO4 | K2 |
| 8. | Bring out the difference between Fundamental research, Action research and Applied research. (6 differences) | CO4 | K2 |
| 9. | Select any five places of scientific importance and explain the procedure of arranging a study tour to these places. | CO5 | K2 |
| 10. | List out any 6 clubs related to Physics/ Chemistry and explain the importance of Science club for science students. | CO5 | K2 |

PART – C

1 x 12 = 12

Answer any one question

(1 out of 2 Questions)

Answer should not exceed 800 words

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| 11. | Explain the steps involved in action research. You have observed during your internship that students of Class IX find difficulties in drawing ray diagram for spherical lenses. Discuss how would you plan and carry out action research to solve this problem. | CO4 | K6 |
| 12. | What do you understand by Science hobbies? List out any ten science hobbies. As a science teacher how can you cultivate Science hobbies among your students? | CO5 | K6 |