

AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN
(Deemed to be University) Coimbatore – 641 043

Bachelor of Education Degree Examination – November 2018

Class : I B.Ed./I B.Ed. Spl. Edn.

Time: 3 Hrs
Max. Marks: 100

18BEDP1/18BDSP11 School Subject I : Introduction to Physical Science Education

Part – A **10 X 1 = 10**
Choose the Correct Answer

- The product of mass and acceleration($F=M \cdot A$) is called
 - Boyle's law
 - Newton's Second law
 - Newton's Third law
 - Newton's First law
- The transfer of information and knowledge from one person to another is called
 - learning
 - education
 - communication
 - practising
- The student teacher rapport can be better promoted by
 - organizing group discussion
 - keeping the student informed of his progress
 - conducting frequent test
 - conducting special coaching class
- In-Service course is meant for
 - Teachers before getting job
 - Teachers after getting job
 - B.Ed. trainees
 - M.Ed. students
- Evaluation is useful for assessing
 - knowledge and skill
 - attitude and study habits
 - interest and appreciation
 - all the above
- The process of gaining new knowledge or skills is
 - invention
 - knowledge
 - learning
 - intelligence
- A student can appreciate a poem. This learning can be said to related to _____ domain.
 - cognitive
 - affective
 - psychomotor
 - conative
- A powerful motivating force in education is
 - reward
 - punishment
 - competition
 - cooperation
- Cognitive taxonomy is given by
 - Bloom
 - Piaget
 - Skinner
 - Binet
- In a lesson plan writing Recapitulation occurs in the _____ stage.
 - first
 - last
 - middle
 - fourth

Part – B 5 X 6 = 30

Answer the following questions

Answer should not exceed 400 words or two pages

11. a. Explain with examples any three Laws and Theories in Physics / Chemistry.
(or)
 11. b. What is scientific temper ?
 12. a. Explain with examples the correlation of Physical Science with History and Geography.
(or)
 12. b. What is correlation? Explain the different types of correlation.
 13. a. Discuss any four objectives of teaching physical science at the higher secondary level.
(or)
 13. b. Write any four general objectives and corresponding specific objectives in any topic in physical science.
 14. a. What is the role of DST, DSIR and ISRO in the development of science?
(or)
 14. b. Describe the contributions of Einstein to the world of science.
 15. a. As a Science teacher, how will you eradicate superstitions in society ?
(or)
 15. b. Explain the concept "self evaluation of teaching".
- Part – C** 5 X 12 = 60
- Answer the following questions**
- Answer should not exceed 800 words or four pages**
16. a. Discuss the components of scientific knowledge with examples.
(or)
 16. b. Explain the meaning, nature and scope of Physical Science.
 17. a. Discuss the concept and need of correlation in Physical Science with examples.
(or)
 17. b. Discuss with illustration how different branches of science are correlated ?
 18. a. Explain Revised Blooms Taxonomy.
(or)
 18. b. How will you utilize cognitive taxonomy in science teaching ?
 19. a. Discuss the functions of any four scientific organizations in India.
(or)
 19. b. Trace out the development of science in India.
 20. a. 'Teaching is a profession' – Analyse.
(or)
 20. b. Critically analyse the different problems and their solutions that occurs in a science class room.
