

B.Ed. (I Semester) Examination
PEDAGOGY OF PHYSICAL SCIENCE
Paper V(a) (v)

[3 Hours]

[Max. Marks

Part A – (Marks: $5 \times 4 = 20$)

*Answer any **five** questions in about **1** page each from the following **eight** questions. Each question carries **4** marks.*

- 1. Explain the nature of Science.**
- 2. What is the relationship between Science and human life?**
- 3. How do you develop problem solving skills in learning Science to your students?**
- 4. Write about learning objectives of "Understanding and Evaluating".**
- 5. What is the importance of Pedagogical shift in Physical Sciences?**
- 6. How children learn Science? Give suitable examples.**
- 7. Write the need and importance of the lesson plan.**
- 8. What is democratizing Science? Explain.**

Part B – (Marks: $5 \times 10 = 50$)

*Answer any **five** essay questions in about **3** pages each from the following **eight** questions. Each question carries **10** marks.*

- 9. Discuss the following: (a) Chemical equilibrium (b) Electrochemistry.**
- 10. Explain the contributions of C.V. Raman and Marie Curie to Science.**
- 11. Explain Feynman's perspective of Science values.**
- 12. Briefly explain the learning objectives of teaching Science at Secondary and Higher Secondary School level. <https://www.telanganastudy.com>**
- 13. Science is a process of constructing knowledge – Discuss.**
- 14. Mention the role of Information and Communication Technology (ICT) for teaching Science.**
- 15. Briefly explain the academic standards in Physical Sciences.**
- 16. What do you understand by Critical Pedagogy? What is the role of teacher in Critical Pedagogy?**