

SRI RAAJA RAAJAN COLLEGE OF EDUCATION FOR WOMEN
SRI RAAJA RAAJAN COLLEGE OF EDUCATION
AMARAVATHIPUDUR-KARAIKUDI-630301

PEDAGOGY OF PHYSICAL SCIENCE

Question bank Semester -II

Unit-I (Pedagogical analysis)

5 Marks

1. Explain Andragogy.

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2. What is meant by Heutagogy?

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3. Differentiate Between Andragogy and Heutagogy.

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4. Explain the Evolution from Pedagogy to Heutagogy.

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5. Compare Pedagogy , Andragogy and Heutagogy.

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6. Explain the need and its implications in Teacher Education.

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7. Explain Heutagogy.

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8. Define the meaning of critical pedagogy.

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9. List out the five steps of classroom teaching critical pedagogy.

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10. Answer in brief pedagogy.

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10 Marks

11. Define Heutagogy and a mention its principles.

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12. What are the common techniques for fostering critical pedagogy through independent thinking in classroom.

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13. Answer in detail Flanders Interaction Analysis.

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14. Describe Galloways system of Interaction Analysis.

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Unit-II (Teaching models)

5 Marks

15. Explain the Basic models of teaching.

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16. Explain Glasers Basic Teaching model.

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17. Describe Benjamin's social inquiry model.

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18. Answer in brief for Carl Rogers non Directive model.

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19. Explain Skinners Operant Training.

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20. Describe Bruners Concept attainment model.

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21. Answer in detail Ausubels Advance organiser model.

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22. Answer in brief William Gordons Synthetics model.

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Unit-III (Activity Based and Group Controlled Instruction)

5 Marks

23. What is the Role Play?

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24. Define the concept of simulation method.

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25. Discuss case study method.

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26. Discuss Gaming and prioritisation exercises.

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27. What are the Basic elements of Group interactive sessions?

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28. Mention the importance of group controlled instruction.

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29. Answer in detail any two Activity Based Instruction.

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30. Explain the types of group controlled Instruction.

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31. Discuss cooperative learning methods.

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32. Describe Group Investigation.

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33. As a science teacher how will you organise a group project for students?

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Unit- IV (Learning Resources)

5 Marks

34. What are the need and significance of learning resources in physical science?

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35. What are the learning resources of Teaching Physical science?

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36. What are the Teaching resources of Physical science?

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37. How will you utilise Physical science laboratory as a learning resource?

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38. As the science teacher how will you organise a field trip?

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39. Excursion as a learning resource and Physical Science -discuss.

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40. What are the limitations and hurdles in the use of various learning resources in physical science?

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41. Answer in brief audio resources.

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42. Explain print media in teaching physical science.

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43. Describe visual resources.

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44. Describe multimedia.

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45. What are the role of science teacher in teaching physical science?

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46.Explain ICT based virtual experiments and simulations as learning resources in physical science?

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Unit- v (Assessment in Pedagogy Physical Science)

5 Marks

47. Define measurement and its functions.

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48. What are the characteristics of Educational measurement?

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49. Differentiate measurement and evaluation.

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50. Explain students portfolio.

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51. Frame a blueprint for standard 9th?

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52. List out the merits of reflective journal.

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53. Differentiate formative and summative assessment.

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54. Define evaluation and its types.

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55. Answer in brief Diagnostic Test.

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56. How will you standardize a test?

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57. What are the steps involved in the construction of Achievement Test?

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58. Describe the feedback and its a types.

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59. Mention the types of student portfolio.

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60. How will you engage field using rubrics also Mention Competency Based Evaluation?

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Hard Work Never Fails

All The Best

Prepared

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