

ADVANCED RESEARCH METHODOLOGY

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions of the following questions
each in about 750 words.

(5 × 20 = 100 marks)

1. Describe the different types of research, clearly pointing out the difference between an experiment and a survey.
2. What are the characteristics of a good research design? Is single research design suitable in all educational research studies? If not, why?
3. Why probability sampling is generally preferred in comparison to non-probability sampling? Explain the procedure of selecting a simple random sample.
4. What are the guiding considerations in the construction of a questionnaire? Explain.
5. What are characteristics of a good hypothesis? Describe the steps for testing a hypothesis.

6. Describe the role of computers in educational research.
7. Describe the need and importance of 'Action Research' in Education? Explain 'Action Research' design with an illustration.
8. What is a non-parametric test? Explain the role of non-parametric tests in educational research.
9. What are the differences between correlation and regression? Explain Biserial correlation and Tetrachoric correlation.
10. What is ANOVA? What are the assumptions of ANOVA? Explain the steps for calculating 'F' value.

EXTENSION EDUCATION

Time : Three hours

Maximum : 100 marks

Answer any Five of the following questions
in about 250 words each.

All questions carry equal marks.

(5 × 20 = 100)

1. Explain the meaning, scope and objectives of extension education.
2. Describe the guiding principles for successful extension education.
3. Explain any three methods used in extension education.
4. Describe the different ways of communication used by extension professionals in extension education.
5. Explain the steps for planning an extension programme.
6. Describe the traits required for the extension administrators.

7. Describe the role of extension education in community development.
 8. Describe any individual contact methods in extension education.
 9. Explain the types and steps of evaluation of extension programme.
 10. What are the differences between classroom education and extension education? What are the qualities and role of extension workers?
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EDUCATIONAL TECHNOLOGY

Time : Three hours

Maximum : 100 marks

Answer any FIVE of the following essay questions in about 750 words.

All questions carry equal marks.

1. Define Educational Technology. Discuss its scope and relevance to present day education.
2. Explain systems approach in instruction with a flow diagram.
3. Discuss the criteria for selection of appropriate media and methods for instructional purposes.
4. How will you classify Audio-Visual aids? Explain the non-projected aids you will use to teach a topic from your subject.
5. What are known as softwares? Discuss the role of the teacher in software production.
6. Explain modular scheduling. What are the steps in modularization?

7. Discuss the principle of T.V. and its applications for educational purpose.
 8. How UGC and IGNOU programmes are useful for effective learning?
 9. What do you mean by CMI? Discuss CAI and its educational implications.
 10. How will you create an interactive video teaching programme? What are the uses of interactive video?
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