

ADVANCED RESEARCH METHODOLOGY  
(Held in April 2010)

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Time : Three hours

Maximum : 100 marks

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

1. What is meant by research? Describe in detail about the methodology of survey research, state its advantages and disadvantages.
2. Write note on the following research tools.
  - (a) Psychological tests and inventories
  - (b) Attitude scales
  - (c) Likert method
  - (d) Rating scales.
3. What is a sample? Discuss the probability and nonprobability sampling techniques with their merits and limitations.
4. What is a hypothesis? Discuss the different types of hypothesis. Explain the steps involved in hypothesis testing.

5. Briefly describe the different non-parametric tests explaining the significance and limitations of each such test.
6. Explain the meaning of analysis of variance. Describe briefly the technique of analysis of variance for one-way and two-way classifications.
7. What is research design? Describe the various research designs.
8. Define Multivariate analysis. Discuss the salient features of any four multivariate analysis techniques.
9. What is historical research? Mention any two purpose of historical research. Brief about the steps of historical research.
10. Mention the need to standardise the research tools. Discuss the different methods of establishing reliability of a tool. Explain the different types of validity.

EXTENSION EDUCATION  
(Held in April 2010)

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Time : Three hours

Maximum : 100 marks

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

All questions carry equal marks.

(5 × 20 = 100)

1. Trace the history of Extension education in India.
2. Elaborate the philosophies of extension education with special reference to adult and non formal education.
3. Explain the objectives of extension education.
4. Discuss in detail the various techniques of extension education.
5. Explain the role and responsibility of an effective extension worker.
6. Explain the theories of communication.

7. Extension education is a must for the qualitative development of a nation. Discuss.
  8. Describe the recent trends in extension education.
  9. Explain the role of media in extension education.
  10. Explain the contribution of basic education to extension education.
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EDUCATIONAL TECHNOLOGY  
(Held in April 2010)

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Time : Three hours

Maximum : 100 marks

Attempt any FIVE of the following essay items each in about 750 words.

All questions carry equal marks.  
(5 × 20 = 100)

1. "Educational Technology is a multidisciplinary subject" – Discuss.
2. Explain the conditions of effective learning and the roles of the teacher and the learner.
3. Discuss the role and use of mass media in formal, non-formal and informal education.
4. Explain in detail the need, significance and role of audio-visual aids in effective teaching.
5. Explain in detail the concept and meaning of individualization of instruction.
6. Discuss in detail the systems approach to education.

7. Discuss in detail the ETV programmes of IGNOU.
  8. Explain computer assisted instruction and computer managed education.
  9. Explain the characteristics and advantages of educational video.
  10. Explain the different units of a computer and their functions.
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