

26(D)

M.A/Part-II/Edn./P-V/DODL/21

2021

**EDUCATION**

**M.A. Part-II Examination (DODL)**

**Paper : V**

**(Methodology of Educational Research)**

Full Marks : 90

Time : 4 Hours

*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

Answer any **six** questions:

15×6=90

1. Define reliability. Mention different types of reliability. Discuss any two methods of determining the reliability of a research tool. 3+4+8=15
2. State meaning, procedure and purposes of sampling design. Explain types of probability sampling with examples. 6+9=15
3. What is meant by tools and techniques of data collection? Describe the process of developing a good questionnaire for an educational research. 5+10=15

4. What is meant by 'Educational Research'? Explain 'Longitudinal Research' with a suitable example. Compare Fundamental Research, Applied Research and Action Research. 3+5+7=15
5. What is Experimental Research? Discuss the threats of validity in Experimental Research. 3+12=15
6. Explain different levels of measurement with suitable examples. Mention the uses of mean as a measure of central tendency. Draw a Histogram from the following data :

Scorer	10-14	15-19	20-24	25-29	30-34
Frequency	2	6	7	10	8

Scorer	35-39	40-44	45-49	50-54	55-59
Frequency	5	3	4	3	2

4+2+9=15

7. What is correlation? What are its uses in educational research? Compute the coefficient of correlation between X and Y by the product-moment method from the two sets of score (N=10):  
X – 41, 48, 27, 41, 36, 49, 29, 33, 45, 38  
Y – 49, 59, 47, 43, 65, 65, 33, 42, 65, 67.  
Interpret the result. 3+2+8+2=15

[Turn over]

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8. Discuss the types and importance of hypothesis in educational research. What are the different types of variables?  $8+3+4=15$
  9. What is observation? Discuss the different types of observation. Define merits and demerits of observation.  $3+6+6=15$
  10. Select a suitable research topic on Education. State different steps of doing the research by the descriptive method.  $3+12=15$
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