

POST-GRADUATE DEGREE PROGRAMME
Term End Examination : December, 2024
MASTER OF LIBRARY & INFORMATION SCIENCE
PAPER - VII
RESEARCH METHODOLOGY

Time : 4 hours

Full Marks : 100

(Weightage of Marks : 80%)

Special credit will be given for precise and correct answer. Marks will be deducted for spelling mistakes, untidiness and illegible handwriting. The figures in the margin indicate full marks.

GROUP – A

Answer any *two* of the following questions : 18 × 2 = 36

1. Define 'Research'. How do you differentiate between qualitative and quantitative research ? Discuss different types of quantitative research.

2 + 6 + 10

2. What do you understand by 'Research methodology' ? Discuss its different components in regard to the research studies in the field of social sciences.

4 + 14

3. Explain what ethical issues are to be considered in the different steps of research study.

4. The number of articles downloaded in one month by 60 users in a digital library are shown below :

44	38	35	12	34	35
14	24	12	28	42	40
37	28	32	45	22	42
24	32	28	39	30	50
28	29	30	24	28	38
29	20	35	36	32	24
32	26	40	38	17	20
32	11	42	32	36	26
17	14	46	28	12	25
36	30	48	30	18	20

- a) Prepare a closed ended grouped frequency distribution with class width = 5.

- b) Calculate different measures of central tendency (Arithmetic Mean, Median and Mode). 9 + 3 + 3 + 3

GROUP – B

Answer any **three** of the following questions : 12 × 3 = 36

5. What do you mean by research design ? What are the important elements of research design ? 4 + 8
6. What do you understand by 'variable' in accomplishing research objectives ? Discuss its role in designing a questionnaire for data collection. 6 + 6
7. What do you understand by 'Research Communication' ? What are its different models ? Discuss any one of them. 2 + 3 + 7
8. How can data visualization techniques be used effectively to communicate library research findings to stakeholders ?
9. Describe the roles of Indian Council of Social Science Research (ICSSR) in promoting R & D activities in India.
10. 'Analysing research data is crucial for finding out the research result' — Illustrate the statement considering the steps involved in analysis in case of quantitative research. 4 + 8

GROUP – C

Write short notes on any **four** of the following questions : 7 × 4 = 28

11. Probability sampling
 12. Skewness
 13. Interview Method
 14. Ogive
 15. Categories of research data based on different scales of measurement
 16. Objectives of Research
 17. Focus Group method of data collection
 18. Hypothesis.
-

POST-GRADUATE DEGREE PROGRAMME
Term End Examination : December, 2024
MASTER OF LIBRARY & INFORMATION SCIENCE
PAPER - VII
RESEARCH METHODOLOGY

Time : 4 hours

Full Marks : 100

(Weightage of Marks : 80%)

Special credit will be given for precise and correct answer. Marks will be deducted for spelling mistakes, untidiness and illegible handwriting. The figures in the margin indicate full marks.

GROUP – A

Answer any *two* of the following questions : 18 × 2 = 36

1. Define 'Research'. How do you differentiate between qualitative and quantitative research ? Discuss different types of quantitative research.

2 + 6 + 10

2. What do you understand by 'Research methodology' ? Discuss its different components in regard to the research studies in the field of social sciences.

4 + 14

3. Explain what ethical issues are to be considered in the different steps of research study.

4. The number of articles downloaded in one month by 60 users in a digital library are shown below :

44	38	35	12	34	35
14	24	12	28	42	40
37	28	32	45	22	42
24	32	28	39	30	50
28	29	30	24	28	38
29	20	35	36	32	24
32	26	40	38	17	20
32	11	42	32	36	26
17	14	46	28	12	25
36	30	48	30	18	20

- a) Prepare a closed ended grouped frequency distribution with class width = 5.

- b) Calculate different measures of central tendency (Arithmetic Mean, Median and Mode). 9 + 3 + 3 + 3

GROUP – B

Answer any **three** of the following questions : 12 × 3 = 36

5. What do you mean by research design ? What are the important elements of research design ? 4 + 8
6. What do you understand by 'variable' in accomplishing research objectives ? Discuss its role in designing a questionnaire for data collection. 6 + 6
7. What do you understand by 'Research Communication' ? What are its different models ? Discuss any one of them. 2 + 3 + 7
8. How can data visualization techniques be used effectively to communicate library research findings to stakeholders ?
9. Describe the roles of Indian Council of Social Science Research (ICSSR) in promoting R & D activities in India.
10. 'Analysing research data is crucial for finding out the research result' — Illustrate the statement considering the steps involved in analysis in case of quantitative research. 4 + 8

GROUP – C

Write short notes on any **four** of the following questions : 7 × 4 = 28

11. Probability sampling
 12. Skewness
 13. Interview Method
 14. Ogive
 15. Categories of research data based on different scales of measurement
 16. Objectives of Research
 17. Focus Group method of data collection
 18. Hypothesis.
-