POST-GRADUATE COURSE

Term End Examination — June, 2022/December, 2022

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.

1. *Annexure 1*
2. *Use of Scientific Calculator may be allowed. However use of smart phone is prohibited.*

GROUP – A

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

1. What do you mean by research ? What purpose does it serve ? How do you categorize different types of research ? 4 + 4 + 10

2. How data is related to research work ? Discuss different types of tools and techniques for data collection. 4 + 14

3. Why review of literature is essential in any research study ? How do you conduct a review of literature and write its report for your dissertation ? 4 + 14

4. Research output during 2016 to 2020 to two Research Institutes in two adjacent research fields are as follows :

	Institute 1	Institute 2
Research Field A	372	820
Research Field B	175	536

Show if there is any significant difference between research activities of Institute 1 and Institute 2 in respect to the research outputs in the given research fields.   18

GROUP – B

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

5. Do you consider, "Research is a systematic and scientific method" ? Justify your answer.   12

6. "In scientific inquiry, the first and foremost step is that of selecting and defining a research problem" — Elucidate the statement.   12

7. Describe the roles of any three research promotional agencies in the areas of social sciences in India.   12

8. Categories data on the basis of scale of measurement.   12

9. Discuss different types of sampling methods in social science research.   12

10. What is 'Research Design' ? Why is it required ? How do you differentiate a research design from a research report ?   3 + 3 + 6

GROUP – C

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

11. Skewness

12. Mean *vs* Median

13. Grounded theory

14. Normal distribution

15. Plagiarism

16. Non-parametric test of hypotheses

17. Dependent and Independent variables.

Annexure – 1

Degrees of Freedom	Critical Values					
	0·99	0·975	0·95	0·05	0·025	0·01
1	—	—	—	3·84	5·0	6·63
2	0·020	0·051	0·103	5·99	7·38	9·21
3	·115	·216	·352	7·81	9·35	11·34
4	·297	·484	·711	9·49	11·14	13·28
5	·554	·831	1·15	11·07	12·83	15·09
6	·872	1·24	1·64	12·59	14·45	16·81
7	1·24	1·69	2·17	14·07	16·01	18·48
8	1·65	2·18	2·73	15·51	17·53	20·09
9	2·09	2·70	3·33	16·92	19·02	21·67
10	2·56	3·25	3·94	18·31	20·48	23·21
11	3·05	3·82	4·57	19·68	21·92	24·73
12	3·57	4·40	5·23	21·03	23·34	26·22
13	4·11	5·01	5·89	22·36	24·74	27·69
14	4·66	5·63	6·57	23·68	26·12	29·14
15	5·23	6·26	7·26	25·00	27·49	30·58
16	5·81	6·91	7·96	26·30	28·85	32·00
17	6·41	7·56	8·67	27·59	30·19	33·41
18	7·01	8·23	9·39	28·87	31·53	34·81
19	7·63	8·91	10·12	30·14	32·85	36·19
20	8·26	9·59	10·85	31·41	34·17	37·57
21	8·90	10·28	11·59	32·67	35·48	38·93
22	9·54	10·98	12·34	33·92	36·78	40·29
23	10·20	11·69	13·09	35·17	38·08	41·64
24	10·86	12·40	13·85	36·42	39·36	42·98
25	11·52	13·12	14·61	37·65	40·65	44·31