

- N.B.** (1) Answer any **five** questions.
(2) **All** questions carry **equal** marks. (20 marks).

1. What is Research Design ? Which factors would you consider in evaluating a research design ? 20
2. Discuss the suitability of survey method for Library and Information Science Research. 20
3. What are the advantages of sampling in research ? Explain with examples the different random sampling techniques. 20
4. Explain the concept of 'Evidence-based Librarianship' with suitable examples. 20
5. The following opinions were obtained on preferred type of access in different types of libraries :— 20

Type of Library	Type of Access	
	Open	Closed
Public	30	12
Academic	10	28

Examine the relationship between the type of access and types of library at (-05) level, using appropriate statistical test.

6. Differentiate between the following giving suitable examples (any two) :— 20
 - (a) Quantitative and Qualitative Research
 - (b) Questionnaire and Interview
 - (c) Content Analysis and Citation Analysis
 - (d) Pure and Applied Research.
7. Write short notes on any **four** of the following :— 20
 - (a) Research Report
 - (b) Experimental Research
 - (c) Bradford's Law
 - (d) Plagiarism
 - (e) Impact Factor
 - (f) Hypothesis.

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Table of the t -distribution

df	$t_{0.50}$	$t_{0.25}$	$t_{0.10}$	$t_{0.05}$	df
1	6.314	12.706	31.821	63.657	1
2	2.920	4.303	6.965	9.925	2
3	2.353	3.182	4.541	5.841	3
4	2.132	2.776	3.747	4.604	4
5	2.015	2.571	3.365	4.032	5
6	1.943	2.447	3.143	3.707	6
7	1.895	2.365	2.998	3.499	7
8	1.860	2.306	2.896	3.355	8
9	1.833	2.262	2.821	3.250	9
10	1.812	2.228	2.764	3.169	10
11	1.796	2.201	2.718	3.106	11
12	1.782	2.179	2.681	3.055	12
13	1.771	2.160	2.650	3.012	13
14	1.761	2.145	2.624	2.977	14
15	1.753	2.131	2.602	2.947	15
16	1.746	2.120	2.583	2.921	16
17	1.740	2.110	2.567	2.898	17
18	1.734	2.101	2.552	2.878	18
19	1.729	2.093	2.539	2.861	19
20	1.725	2.086	2.528	2.845	20
21	1.721	2.080	2.518	2.831	21
22	1.717	2.074	2.508	2.819	22
23	1.714	2.069	2.500	2.807	23
24	1.711	2.064	2.492	2.797	24
25	1.708	2.060	2.485	2.787	25
26	1.706	2.056	2.479	2.779	26
27	1.703	2.052	2.473	2.771	27
28	1.701	2.048	2.467	2.763	28
29	1.699	2.045	2.462	2.756	29
inf	1.645	1.960	2.326	2.576	30

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Table of the χ^2 distribution

df	$\chi^2_{.05}$	$\chi^2_{.01}$	df
1	3.841	6.635	1
2	5.991	9.210	2
3	7.815	11.345	3
4	9.488	13.277	4
5	11.070	15.086	5
6	12.592	16.812	6
7	14.067	18.475	7
8	15.507	20.090	8
9	16.919	21.666	9
10	18.307	23.209	10
11	19.675	24.725	11
12	21.026	26.217	12
13	22.362	27.688	13
14	23.685	29.141	14
15	24.996	30.578	15
16	26.296	32.000	16
17	27.587	33.409	17
18	28.869	34.805	18
19	30.144	36.191	19
20	31.410	37.566	20
21	32.671	38.932	21
22	33.924	40.289	22
23	35.172	41.638	23
24	36.415	42.980	24
25	37.652	44.314	25
26	38.885	45.642	26
27	40.113	46.963	27
28	41.337	48.278	28
29	42.557	49.588	29
30	43.773	50.892	30

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