

DEPARTMENT OF MANAGEMENT
SCHOOL OF MANAGEMENT & BUSINESS STUDIES
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Ph.D. Course Work Examination 2023
Research Methodology
DRM-101

Time: 3 Hours

MM: 60

Note: Answer any five questions, each carry equal marks

Q1. "Knowing what data is available often serves to narrow down the problem itself as well as the technique that might be used." Explain the underlying idea in this statement in the context of defining a research problem.

Q2. Discussed the importance of literature review in social science and management research and how it should be managed while writing a thesis. Also highlight how to identify the research gap from literature.

Q3. Attempt **BOTH** the parts of question

(a) "A good research question has practical and theoretical implications". Express your view on this statement. (6)

(b) What do you mean by 'Sample Design'? What points should be taken into consideration by a researcher in developing a sample design. (6)

Q4. Enumerate the different methods of collecting data. Which one is the most suitable for conducting enquiry regarding family welfare programme in India? Explain its merits and demerits.

Q5. What kinds of research are considered unethical, and what are some examples of serious ethical lapses in social and behavioural sciences research?

Q6. Write shot note on any **three**

- a) Publication misconducts
- b) Salami Slicing
- c) Selective reporting and misrepresentation of data
- d) Open access publication vs subscription

Q7. This question has two parts

- a) Briefly describe the important parametric tests used in context of testing hypotheses. (4)
- b) Two research workers classified some people in income groups on the basis of sampling studies. (8)

Their results are as follows:

Investigators	Income groups			Total
	Poor	Middle	Rich	
A	160	30	10	200
B	140	120	40	300
Total	300	150	50	500

Show that the sampling technique of at least one research worker is defective. The table value of χ^2 for two degrees of freedom at 5 per cent level of significance is 5.991.

Q8. Parameter estimates in terms of regression coefficient, Wald statistics, p-value, Exp (β) are given in the below table for examine the determinants of financial inclusion among women owned informal enterprises. Where 1 denote the financial inclusion among women owned informal enterprises while 0 indicates non beneficiary of financial inclusion. Owner and Informal Enterprises Characteristics, Resources Capacity, ICT use and Institutional Support are the four groups of independent variables. (a) Which regression model used to examine factors affecting adoption of digital business operations? Justify your answer. (2)

(b) Interpret the table with probable cause. (10)

Table Determinants of financial inclusion among woman owner of informal enterprises

	Financial inclusion by women owned enterprises (Y=1, No=0)					
	β	S.E.	Wald	df	P-value	Exp(β)
1	2	3	4	5	6	7
Owner and Informal Enterprises Characteristics						
Business Duration (In years)	0.029	0.025	1.304	1	0.253	1.029
Entrepreneur Experience	-0.071**	0.033	4.534	1	0.033	0.931
Education level of Entrepreneurs (Above primary=1, Else=0)	0.686**	0.347	3.906	1	0.048	1.986
Resources Capacity						
Business have Machinery or Equipment (Yes=1, No=0)	1.476*	0.429	11.841	1	0.001	4.377
Business have Vehicles (Yes=1, No=0)	0.344	0.525	0.431	1	0.512	1.411
ICT						
ICT use (Yes=1, No=0)	0.983***	0.384	6.565	1	0.01	2.673
Institutional Support						
Loan through Gov't Scheme (Yes=1, No=0)	0.727	0.778	0.873	1	0.35	2.069
Constant	-1.294	0.466	7.73	1	0.005	0.274
Log likelihood	-104.71					
Cox & Snell R Square	0.195					
Nagelkerke R Square	0.26					
Correct Prediction	68.9					
Omnibus Tests of Model Coefficients						
Chi-square value	39.022					
df	7					
Sig.	0.000					

*Shows the significant at 1 percent,

**Shows the significant at 5 percent,

***Shows the significant at 10 percent