

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 86
(For Candidates admitted during the academic year 2015 – 2016 and thereafter)

SUBJECT CODE: 15EC/PC/RM14

M.A. DEGREE EXAMINATION NOVEMBER 2016
BRANCH III – ECONOMICS
FIRST SEMESTER

COURSE : CORE
PAPER : RESEARCH METHODS AND ANALYSIS-I
(THEORY)
TIME : 2 HOURS

MAX.MARKS: 60

SECTION – A

I. Answer any SIX questions. Each question should not exceed 300 words.

(6 X 10 = 60)

1. Explain the different types of research.
2. How does one identify a research problem?
3. Bring out the significance of Review of Literature.
4. Highlight the merits and demerits of different data collecting techniques.
5. a) Explain Binary Cartesian Epistemology.
b) Bring out the relevance of Quantitative analysis in Economics.
6. Write short notes on
 - a) Logic of reasoning
 - b) Deductive and Inductive methods of Reasoning.
7. Explain the features of different sampling techniques.
8. Describe the various components of a Research Report.

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BRANCH III – ECONOMICS
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COURSE : CORE
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(PRACTICAL)
TIME : 1 HOUR

MAX.MARKS: 40

SECTION – B

I. Answer any FOUR questions

(4X10 =40)

1.

X	Y					
9.08	62.5					
8.31	42.5					
7.42	62.5					
7.42	62.5					
7.42	62.5					
7.46	12.5					
9.67	30					
11.77	42.5					
8.81	17.5					

Based on the above data (X = health expenditure in thousands of rupees per month;
Y = Income in thousands of rupees per month) .

- a) Find out the summary statistics.
- b) Fit a relevant regression model Interpret.
- c) Calculate the health expenditure elasticity.

2.

Wage	Dummy	Educ	Experience		
11.55	1	12	20		
5	0	9	9		
12	0	16	15		
7	0	14	38		
21.15	1	16	19		
6.92	1	12	4		
10	1	12	14		
8	1	12	32		
15.63	0	18	7		

Run a dummy variable ANCOVA model (D = 1 for male).

3. Estimate Cobb – Douglas production function

output	labor	capital				
38372840	424471	2689076				
1805427	19895	57997				
23736129	206893	2308272				
26981983	304055	1376235				
19462751	180366	1790751				
28972772	224267	1210229				
14313157	54455	421064				
159921	2029	7188				
47289846	471211	2761281				

4. Estimate compound growth rate for real GDP.

rgdp	time			
2501.8	1			
2560	2			
2715.2	3			
2834	4			
2998.6	5			
3191.1	6			
3399.1	7			
3484.6	8			
3652.7	9			

5. Apply Paired ‘ t ’ test to test the change in per capita income after Recession.

	Before	After				
Argentina	8278.55	4038.5				
Australia	20930.2	25274.2				
Austria	26577.1	24508.7				
Belarus	1511.77	26624.8				
Belgium	25006.1	401.61				
Bolivia	1064.71	12599.3				
Botswana	3126.79	1809.78				
Brazil	4988.28	870.641				
Bulgaria	1542.53	25506.8				

6. Give examples for different diagrams with your own imaginary data.
