

**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD)  
Maisammaguda, Dhulapally, (Post Via kompally), Secunderabad-500 100.**MBA I SEM SUPPLEMENTARY EXAMINATIONS, FEBRUARY - 2017****SUBJECT: RESEARCH METHODOLOGY & STATISTICAL ANALYSIS**

Time: 3 Hours

Max Marks: 75M

**PART-A****Answer the Following Question****1X25=25M**

1. The following data relate to the annual Steel production of a Company

Year	Production (in Million tons)
2009	14
2010	11
2011	10
2012	12
2013	15
2014	17
2015	12

Fit a trend line by the method of least squares and estimate the production for the year 2018.

**PART-B****Answer any five questions.****5x10M= 50M**

1. What are the precautions to be taken by a researcher before using the secondary data?
2. What is meant by hypothesis? What are the different types of hypotheses ? How do you verify whether a hypothesis is true or false ? Discuss.
3. The data about the amount Spend on Publicity and the revenue of a company are given below. Find the coefficient of correlation between Publicity and Revenue. Comment on the Co-efficient of correlation.

Publicity (Rs. In Crores)	7	7	10	8	9	7	12	15
Revenue (Rs in Crores)	62	64	65	78	78	80	95	105

4. A sample of 10 employees from an organization of employees were noted and their ages are as follows: 20, 22, 25, 27, 23, 24, 21, 25, 21, 26. Find the average age, the standard deviation, coefficient of variance, range, quartile deviation and the median age.

6. A die is thrown 132 times. The results are as follows:

Number turned up	1	2	3	4	5	6
Frequency	76	20	25	14	29	28

Apply the chi - square test to find whether the die is unbiased or not ?

7. Seven Nations are studied for the % of manufacturing in their economy and balance of payments (in billions of dollars). Compute the regression equation between % of manufacturing industries and the balance of payments of a nation.

	I	II	III	IV	V	VI	VII
% of manufacturing	10	25	40	60	55	35	65
Balance of Payments (in billions of dollars)	-15	-5	5	30	25	4	40

8. Write any two of the following:

- (a) Interview method of data collection
- (b) Requisites of a good statistical table
- (c) Precautions in interpretation of data

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**MBA I SEM SUPPLEMENTARY EXAMINATIONS, FEBRUARY - 2017****SUBJECT: MANAGERIAL ECONOMICS****Time: 3 Hours****Max Marks: 75M****Answer the Following Question****1X25M=25M****1. Government Intervention**

In Germany, in 2009, there was considerable debate about the extent to which the government should be intervening in the economy. For example, its citizens were worried about the future of Opel, a German car brand that was part of the ailing General Motors. Some wanted the government to make sure jobs were saved no matter what. Others, however, were more hesitant and worried about the government becoming too interventionist. Traditionally, since the Second World War, the German government has seen itself as a referee in market issues and has avoided trying to control parts of the economy. It would regulate anti-competitive behaviour, for example, but not try to run many industries. However, in the recession of 2009, when the economy was shrinking, the government was forced to spend more to stimulate demand and had to intervene heavily to save the banking sector from collapse. The government also had to offer aid to businesses to keep them alive.

**Questions**

1. What are the possible benefits of a government intervening in an economy?
2. What are the arguments against government intervention in an economy?
3. What prompted greater intervention by the German government in 2009?
4. What would determine whether the German continued to intervene on this scale in the future?

**PART-B****Answer any five questions.****5x10M= 50M**

1. "Managerial Economics is Economics applied in Decision Making by Management." In view of this, discuss the nature and scope of Managerial Economics. [10 M]
2. "A Manager, as a Managerial Economist, plays a vital role in contemporary Corporate Management." Explain. [10 M]
3. What is Elasticity of Demand? Discuss any Four types of Elasticity of Demand? [10 M]
4. What is Demand? Explain the Techniques of Demand Forecasting. [10 M]
5. How are the quantities of Input factors such as Labour and Capital determined with respect to an Optimum Output using the concepts of Isoquants and Isocosts? [10 M]
6. Discuss the Cost-Output Relationship in the Short Run and Long Run. [10 M]
7. Briefly discuss about the following:  
a) Price – Output determination in Monopoly.      b) Pricing Philosophy . [10 M]