

RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College under University of Calcutta)

FIRST YEAR

B.A./B.SC. FIRST SEMESTER (July – December), 2012

Mid-Semester Examination, September 2012

Date : 10/09/2012

ECONOMICS (Honours)

Time : 11 am – 1 pm

Paper : I

Full Marks : 50

[Use Separate Answer Script for each Group]

Group – A

[Answer any five questions taking atleast two from each Unit]

Unit - I

1. Explain what is meant by semi-logarithmic chart. [3+2]
2. Distinguish between— i) Variable and Attribute
ii) Discrete and Continuous Variable [2½+2½]
3. Show that the median of two groups combined together, lies between the median of the two groups. [5]
4. Show that mean deviation is least when measured about median. [5]

Unit - II

5. a) Show that if two possible events A and B are disjoint, they cannot be independent.
b) Show that if A^C and B^C are independent then A and B are also independent. [2+3]
6. State and prove Baye's Theorem. [5]
7. An integer X is selected at random from the first 50 natural numbers. Find $P\left(X + \frac{96}{X} > 50\right)$. [5]
8. A boy alternately tosses a coin and throws a die, starting with coin. Find the probability that he will get a tail before he gets a 4 or 5 on the die. [5]

Group - B

9. Write short notes on any three of the following : [3×5]
 - a) Features of the Indian Colonial economy.
 - b) Changing occupational structure in India.
 - c) Mahalanobis Strategy of Planning.
 - d) Objectives of land reform in India.
 - e) Classification of rural credit in India.
10. Answer any one question from the following :
 - a) What is Green Revolution? Discuss the output and employment effects of the Green Revolution. [2+4+4]
 - b) How would you explain the inverse relationship between farm size and productivity in the context of Indian agriculture. [10]

