



QP CODE: 22000591



22000591

Reg No :

Name :

M A DEGREE (CSS) EXAMINATION , JANUARY 2022

Second Semester

MA DEVELOPMENT ECONOMICS

CORE - DE010205 - QUANTITATIVE TECHNIQUES FOR ECONOMIC ANALYSIS

2019 Admission Onwards

D501D588

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Define Mathematical Expectation.
2. Define Binomial distribution.
3. What is the difference between a parameter and a statistic?
4. What is non-probability sampling ?Give example.
5. Define BLUE.
6. Define Interval Estimation.
7. Define sample.
8. Define the level of significance.
9. Define Research Methodology.
10. What is Applied research?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Define Moment Generating function and explain its properties.
12. Define Normal distribution and state its properties.
13. Distinguish between Parameter and Statistic ? What is descriptive and inferential statistics.
14. Write a note on Chi square test .Explain its applications.





15. What are the advantages and disadvantages of Maximum Likelihood Estimates ?
16. How population parameters are estimated using the method of Moments.
17. Describe the uses of chi square test.
18. Explain characteristics of Research Designs.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. A card is drawn from a well shuffled pack of 52 cards. Find the probability of getting: (i) '2' of spades (ii) a jack (iii) a king of red colour (iv) a card of diamond (v) a king or a queen (vi) a non-face card.
20. State non-probability sampling designs. What are the types of non-probability sampling?
21. Compare parametric and non- parametric tests.
22. What is Research Report ? Explain diifferent steps and layout of writing report.

(2×5=10 weightage)

