## 2021/TDC/CBCS/ODD/ ECOSEC-301T/457

## TDC (CBCS) Odd Semester Exam., 2021 held in March, 2022

## ECONOMICS

( 3rd Semester )

Course No. : ECOSEC-301T
( Data Analysis )

Full Marks : 50
Pass Marks : 20
Time : 3 hours

The figures in the margin indicate full marks for the questions

## SECTION-A

Answer any fifteen of the following questions :

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1 \times 15=15
$$

1. Define sample from the statistical viewpoint.
2. State one example of random sampling.
3. Mention one advantage of sample survey.
4. Mention one essential of a good schedule.
5. Which measure of central tendency represents the middle of the data set?
6. Mention the relationship between mean, median and mode.
7. Mention one characteristic of a good measure of dispersion.
8. What is variance?
9. What is sample space?
10. What do you mean by mutually exclusive events?
11. Define continuous random variable.
12. What will be the probability of getting odd numbers if a dice is thrown?
13. What is an interval estimate?
14. What is statistical inference?
15. What is meant by standard error of a
statistic?

## (3)

16. What does the property of 'unbiased' of an estimate mean?
17. Which index number is called an ideal index number?
18. What is a general purpose index number?
19. What is meant by 'base year' in the context of index number theory?
20. Mention the name of index number which is used to assess the purchasing power of money.

## SECTION-B

Answer any five of the following questions : $2 \times 5=10$
21. Mention two disadvantages of population census.
22. Define stratified random sampling.
23. Define correlation coefficient.
24. Mention two relative measures of dispersion.
25. What is conditional probability?

26. Illustrate the concept of exhaustive event.
27. Mention two differences between point
estimate and interval estimate.
28. Define confidence interval.
29. State the formulae of Laspeyres' index and
Paasche's index.
30. Write two uses of index number.

## (4)

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