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## MARCH - 2022 (Summer session) Examination

Subject Code: 73524

(विध्यार्थ्यानी हा विषय कोड OMR वर लिहावा / Student should fill this code on OMR sheet)

Subject Name: Bachelor of Comm. (CBCS)\_73524\_73524/77848 - Business Statistics Paper-II

\_05.08.2022\_4.00 PM

Date: 05-08-2022

QP Code: 9726QP

Time: 16:00:00 to 17:00:00

(B. com - II, sem - II)

Total Marks: 50 Each Question 2 Marks, Total 25 Ques, Duration 1 Hr

- 1. The control charts were developed by...
- a. Karl Pearson

b. W. A. Shewhart

c. R. A. Fisher

d. B. Benjamin

2. The minor variations in manufacturing process are due to...

a. assignable causes

b. chance causes

c. both a) and b)

d. none of these

3. Control chart consists of...

a. three control lines

b. upper and lower control limits only

c. one control line only

d. none of these

4. The center line for a X- bar chart denotes..

a. Mean of any sample

b. Mean of means of the sample

c. Mean of any sample + 0.5

d. Mean of any sample / 0.5

5. Which of the following is an attribute control chart?

a. X bar chart

b. np-chart

c. R chart

d. none of these

6. The control chart for number of defects per item is...

a. np-chart

b. R-chart

c. c-chart

d. mean chart

7. The sample space for experiment of tossing of a fair coin is...

a. {H,T}

b. {H,T, HT}

c. {f}

d. none of these

8. Any subset of sample space is called as...

a. experiment

b. space

c. event

d. probability



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9. Tickets are numbered from 1 to 50. One ticket is drawn at random, then the probability that drawn ticket has a number 7 or its multiple is

a. 1/20

b. 1/5

c. 1/7

d. 7/50

10. If sample space  $S = \{a, b, c\}$ , P(a) = 0.6 and P(b) = 0.3 then P(c) = ...

a. 0.6

b. 0.3

c. 0.5

d. 0.1

11. Variance of Binomial distribution is...

a. np

b. p

c. npq

d. pq

12. Given mean = 4 and variance = 2 for binomial r. v. X then value of parameter n is...

a.7

b. 10

c. 8

d. 9

13. Normal distribution is symmetric about ordinate at X = ...

a. mean

b. mode

c. median

d. All of these

14. For the standard normal variate, the mean and variance are...

a. Mean = 1, variance = 0

b. Mean = 0, variance = 0

c. Mean = 0, variance = 1

d. Mean = 1, variance = 1

15. Index number are called as

a. economic thermometer

b. economic barometer

c. social barometer

d. social thermometer

16. Index no. for the base period is always taken as

a. 200

b. 50

c. 1

d. 100

17. A period for which index number is determined is called as...

a. current period

b. base period

c. Estimation

d. none of these

18. Laspeyre's price index number uses weight as

a. base year quantity

b. current year quantity

c. value of base year

d. value of current year

19. If Price index number P01 = 150 then interpretation is...

- a. Prices are increased by 50
- b. Prices are increased by 50 %
- c. Prices are increased by 150
- d. none of these

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20. If Laspeyre's index = 100, Paasche's index = 144, then Fisher's Ideal index is equal to:

a. 122

b. 244

c. 120

d. 280

21. The long-term regular movements in a time series are called...

a. seasonal variations

b. cyclical variations

c. secular trend

d. irregular variations

22. Time series analysis helps to...

a. make predictions

b. compare two or more series

c. know behaviour of business

d. all of these

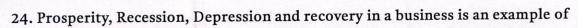
23. Seasonal variations are---

a. Sudden variations

b. Short term variations

c. Long term variations

d. none of these



a. Irregular variations

b. Seasonal variations

c. Cyclical variations

d. Secular Trend

25. A Time Series has .... components.

a. one

b. two

c. three

d. four

