

BBA-II (SEM-IV) Examinations 2020

Name of Paper: Statistical Techniques for Business II
 Date: 06/10/2020 (Tuesday) Time: 11.00 am to 12.00 am
 Total Marks: 50
 Instructions:
 1. Solve any 25 questions.
 2. Each question carries two marks.
 3. Select the most correct alternative.

Email *

Onkarsangale987@gmail.com

Name of Student *

Pallavi patil

Roll No

29

PRN

2017068062

https://docs.google.com/forms/d/1XaQAa1XZBxhZKjCvR4jyUnYFztlLcK1Oece_MHWIRY/edit#response=ACYDBNgblYD7n4u4RLH4i8MAS8... 1/11

4. The additive model in Time Series is

- a) $Y = T+S+C+I$
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- a) assignment causes
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1.The variation in values of times series due to traditions and festivals is known as

- a) Seasonal variation
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12. Name the control chart for attributes?

- a) C-chart
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- a) \sqrt{xy}
 b) $\sqrt{xy} \cdot 100$
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- a) \bar{X}
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- a) Moving Averages
- b) Simple averages
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10. The term prosperity, recession, depression and recovery are attached to _____

- a) Cyclic movements
- b) secular trend
- c) seasonal variations
- d) irregular variations



11. Which of the following components has constant periodicity?

- a) Seasonal Variations
- b) Cyclical Variations
- c) Irregular Variations
- d) Only (A) and (B)

12. Name the control chart for attributes?

- a) C-chart
- b) X chart
- c) R chart
- d) none of above

https://docs.google.com/forms/d/1XaQAe1XIZBhZKjCvR4jYUnYFzILcK1Oeca_MHWIRY/edit#response=ACYDBNhcJEZPCa-zKAb_TIsQC8Wl... 5/11

13. The index number for base year is _____

- a) 0
- b) 100
- c) 1
- d) cannot be determined

14. Index number measures the average _____

- a) Relative changes
- b) absolute changes
- c) percentage increase
- d) proportionate changes

15. The possible relation between Laspeyre's (L), Paasche's (P) and Fisher's (F) Index Number is

- a) $L < P < F$
- b) $F < L < P$
- c) $L < F < P$
- d) None of these

https://docs.google.com/forms/d/1XaQAe1XIZBhZKjCvR4jYUnYFzILcK1Oeca_MHWIRY/edit#response=ACYDBNhcJEZPCa-zKAb_TIsQC8Wl... 6/11

16. If Laspeyre's and Paasche's Price I.No. are x and y respectively, then Fisher's price I.No. is

- a) \sqrt{xy}
- b) $\sqrt{xy} \cdot 100$
- c) $100xy$
- d) None of these

17. Which of the following central limit for the X-Chart

- a) \bar{X}
- b) \bar{X}
- c) R
- d) R

18. Combined changes in prices and quantities are measured by _____

- a) Price index number
- b) quantity index number
- c) value index number
- d) none of these

https://docs.google.com/forms/d/1XaQAe1XIZBhZKjCvR4jYUnYFzILcK1Oeca_MHWIRY/edit#response=ACYDBNhcJEZPCa-zKAb_TIsQC8Wl... 7/11

19. If Laspeyre's No. = 98 and Paasche's Price I.No. = 98, then Fisher's price I.No. is

- a) 98×100
- b) 98
- c) 100
- d) None of these

20. Fisher's index number is

- a) A.M of Laspeyre's and paasche's index number
- b) G.M of Laspeyre's and paasche's index nuber
- c) H.M of Laspeyre's and paasche's index number
- d) none of these

21) A coin is tossed. Let A: getting head, B: getting tail, then events A and B are..... events.

- A) Mutually exclusive
- B) Equally likely
- C) Exhaustive
- D) All of these

https://docs.google.com/forms/d/1XaQAa1XIZBhZKjCvR4jyUnYFztlLcK1OeCa_MHWIRY/edit#response=ACYDBNhcJEZPCa-zKAb_TsQC8Wl... 8/11

25. An event corresponding to empty set is called as

- a) compound event
- b) impossible event
- c) simple event
- d) complementary event

26. If $P(A)=0.2$, $P(B)=0.6$, A and B are independent, the probability that atleast one of a and B will happen is _____

- a) 0.5
- b) 0.66
- c) 0.8
- d) 0.9

27. Probability of an event always lies between _____

- a) $-\infty$ and ∞
- b) $-\infty$ and 0
- c) 0 and 1
- d) -1 and 1

https://docs.google.com/forms/d/1XaQAa1XIZBhZKjCvR4jyUnYFztlLcK1OeCa_MHWIRY/edit#response=ACYDBNhcJEZPCa-zKAb_TsQC8... 10/11

22) Which of the following component is unpredictable?

- a) Secular trend
- b) seasonal component
- c) cyclic component
- d) irregular variation



23. Which of the following index number is called an ideal index number?

- a) Laspeyre's index number
- b) paasche's index number
- c) Fishers index number
- d) All the above

24. An event containing all the points of the sample space is called

- a) elementary event
- b) compound event
- c) sure event
- d) all the above

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28. If A and B are any two events then $P(A \cup B)$ is equal to

- $P(A)+P(B)$
- $P(A)+P(B)-P(A \cap B)$
- $P(A)+P(B)-P(A \cup B)$
- All the above

29. Time series analysis helps to.....

- a) Make predictions
- b) Compare two or more series
- c) Know behavior of business series
- d) All of these

30. Which of the following is not method of measuring trend?

- a) Moving Averages
- b) Simple averages
- c) Least squares
- d) Progressive averages
- Option 5

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