1)

Which one Bank is not one of the three Banks that will be merged to form the third largest Bank in India?

(A)

Punjab National Bank

(B)

Bank of Baroda

(C)

Indian Bank

(D)

Dena Bank

Answer: (C) Indian Bank

2)

The 2019 Pravasi Bhartiya Divas will be held on which city

(A)

Varanasi

(B)

New Delhi

(C)

Ahmedabad

(D)

Surat

Answer: (A) Varanasi

3)

What is the name of the India’s longest suspension bridge built in Leh by Indian Army?

(A)

Gagan Bridge

(B)

Maitri Bridge

(C)

Mahatama Bridge

(D)

Sardar Bridge

Answer: (B) Maitri Bridge

4)

Which country launched the world’s first nationwise 5G mobile network?

(A)

Japan

(B)

Malaysia

(C)

South Korea

(D)

China

Answer: (C) South Korea

5)

Which famous singer is awarded with Bharat Ratna award in the year 2019?

(A)

Manna Dey

(B)

Bhupen Hazarika

(C)

Asha Bhosle

(D)

Lata Mangeshkar

Answer: (B) Bhupen Hazarika

6)

India’s first National Film Museum opens in

(A)

Delhi

(B)

Mumbai

(C)

Hyderabad

(D)

Kolkata

Answer: (B) Mumbai

7)

Who is the new Union Home Secretary?

(A)

Rajiv Gauba

(B)

Sanjay Mitra

(C)

Subash Chandra

(D)

Ajay Kumar Bhalla

Answer: (A) Rajiv Gauba

8)

On which among the following dates, Army Day is observed?

(A)

January 15

(B)

February 15

(C)

March 15

(D)

April 15

Answer: (A) January 15

9)

Who becomes fastest Indian to reach 100 ODI wickets?

(A)

Ajit Agarkar

(B)

Ravichandran Ashwin

(C)

Jasprit Bumrah

(D)

Mohammed Shami

Answer: (D) Mohammed Shami

10)

Kakrapar Atomic Power Station (KAPS-1) is located in which among the following states?

(A)

Maharastra

(B)

Gujarat

(C)

Goa

(D)

Karnataka

Answer: (B) Gujarat

11.

Which country has awarded PM Narendra Modi with ‘Order of St Andrew the Apostle’ Award?

(A)

UAE

(B)

Ukraine

(C)

Russia

(D)

Belarus

Answer: (C) Russia

12.

Which Team wins the English Premier League champions 2019?

(A)

Manchester United

(B)

Liverpool F.(C)

(C)

Arsenal

(D)

Manchester City

Answer: (D) Manchester City

13.

National technology Day is observed on

(A)

5th May

(B)

8th May

(C)

11th May

(D)

14th May

Answer: (C) 11th May

14.

What is the overall percentage of voting recorded in the 17th Lok Sabha election in 2019

(A)

70

(B)

72

(C)

76

(D)

78

Answer: (A) 70

15)

The RBI has decided new Business timing for RTGS. What are the new timings?

(A)

6:00 AM- 6.30 PM

(B)

6:30 AM- 5.00 PM

(C)

7:00 AM – 6.00 PM

(D)

7:30 AM – 6.00 PM

Answer: (C) 7:00 AM – 6.00 PM

16.

Which state has decided to recruit women drivers for government vehicles?

(A)

Kerala

(B)

Tamil Nadu

(C)

Andhra Pradesh

(D)

Telangana

Answer: (A) Kerala

17.

Recently, Veer Savarkar International Airport has been declared as an authorized Immigration Check post. It is situated in _____.

(A)

Lakshadweep

(B)

Chennai

(C)

Vishakhapatnam

(D)

Port Blair

Answer: (D) Port Blair

18.

Recently, _____ has launched Samwad with Students as part of its outreach programme.

(A)

Ministry of Human Resource Development

(B)

ISRO

(C)

ICG

(D)

DRDO

Answer: (B) ISRO

19)

_____ became only the second India woman player to win an ICC awar(D)

(A)

Mithali Raj

(B)

Smriti Mandhana

(C)

Harmanpreet Kaur

(D)

Deepti Sharma

Answer: (B) Smriti Mandhana

20.

World Bank Headquarters located at:

(A)

Berlin

(B)

Washington DC

(C)

New York

(D)

Paris

Answer: (B) Washington DC

21)

Given below are 5 parts of a sentence, you are required to make a meaningful sentence. The correct order of parts is the answer:

(A) Left (B) The (C) House (D) He E. Suddenly

(A)

ABCDE

(B)

BACED

(C)

DEABC

(D)

EBCDA

Answer: (C) DEABC

22.

In the following questions, find the correctly spelt word:

(A)

Recommandation

(B)

Recommendation

(C)

Recomendations

(D)

Reccomendation

Answer: (B) Recommendation

23.

Find the word spelt correctly

(A)

Treatmeant

(B)

Bitterment

(C)

Efficient

(D)

Employble

Answer (C) Efficient

24.

Bring out a meaningful sentence:

Then (A) it struck me (B) of course (C) suitable it was (D) how eminently

(A)

ABCD

(B)

BCDA

(C)

CBDA

(D)

ADCB

Answer: (D) ADCB

25.

Meaning of "Cost an Arm and a Leg"

(A)

War hero

(B)

Very expensive

(C)

Scene in battle field

(D)

Very cheap

ANS: (B) Very expensive

26.

Meaning of "Fly by night"

(A)

Night journey

(B)

A Bird busy in night

(C)

Cat's eye

(D)

Swindler

ANS: (D) Swindler

27.

Synonym of Exhort

(A)

Weak Plea

(B)

To urge strongly

(C)

Beg

(D)

Borrow

Ans: (B) To urge strongly

28.

Antonym of Blunt

(A)

Easy

(B)

Lazy

(C)

Sharp

(D)

Speedy

ANS: (C)Sharp

29.

Choose the word spelt correctly.

(A)

Maxculine

(B)

Massculine

(C)

Masculine

(D)

Macsculine

ANS: (C) Masculine

30.

Select the odd one out

(A)

Actor

(B)

Director

(C)

Camera man

(D)

Micro Oven

Answer: (D) Micro Oven

31

He ----- well when he was at school.

(A)

rote

(B)

wrote

(C)

rout

(D)

route

Answer: (B) wrote

32

Identify the Sentences

I don't know why he behaves like that.

(A)

simple

(B)

negative

(C)

complex

(D)

compound

Answer: (C) complex

33.

Adjectives:

Explosion

(A)

explorer

(B)

exploration

(C)

explosive

(D)

Explorative

Answer: (C) explosive

34.

Identify the Errors:

Kanmani / is looking / beautiful / nowadays.

(A)

kanmani

(B)

is looking

(C)

beautiful

(D)

nowadays

Ans: (B) is looking

35.

Prepositions

Don't look ----- on him.

(A)

down

(B)

for

(C)

on

(D)

by

Answer: (A) down

36.

Odd Words:

Select the odd one out

(A)

Grass

(B)

Jasmine

(C)

Lotus

(D)

Rose

ANS: (A)Grass

37.

Identify the Sentences

If you work hard, you will succeed in Life.

(A)

simple

(B)

negative

(C)

complex

(D)

compound

ANS: (C) complex

38.

Tense:

Are you playing tennis?

(A)

simple present

(B)

simple past

(C)

present continuous

(D)

past continuous

ANS: (C) present continuous

39.

Nouns:

Intention

(A)

intension

(B)

intent

(C)

intensity

(D)

intention

ANS: (B) intent

40.

"Study of human development."

Select the word which means the same as the group of words given.

(A)

Philology

(B)

Theology

(C)

Acoustics

(D)

Anthropology

ANS: (D) Anthropology

41

When the Mean of a number is 18, what is the Mean of the sampling distribution?

(A)

21

(B)

18

(C)

27

(D)

23

ANS: (B) 18

42

Variance of a constant 'x' is

(A)

0

(B)

x/2

(C)

x

(D)

1

ANS: (B) x/2

43)

E(X) = λ is used for which distribution?

(A)

Binomial distribution

(B)

Poisson's distribution

(C)

Bernoulli's distribution

(D)

Laplace distribution

ANS: (B) Poisson's distribution

44)

If a random variable X has a normal distribution, then eX has a/an _____ distribution.

(A)

lognormal

(B)

exponential

(C)

Poisson

(D)

binomial

ANS: (A) lognormal

45)

Which of the following is an example of qualitative data?

(A)

The weight of a person

(B)

The height of a building

(C)

The color of a car

(D)

The temperature of a room

ANS: (C) The color of a car

46)

Find the standard deviation of the given data sets 7,47,8,42,47,95,42,96,3

(A)

29.09

(B)

30.09

(C)

31.09

(D)

32.09

ANS: (C) 31.09

47)

Which type of data has a natural zero point and allows for meaningful ratios and proportions?

(A)

Nominal data

(B)

Ordinal data

(C)

Interval data

(D)

Ratio data

ANS: (D) Ratio data

48)

Which of the following is not a measure of dispersion?

(A)

Range

(B)

Variance

(C)

Coefficient of variation

(D)

Mode

ANS: (D) Mode

49.

Consider a dice with the property that that probability of a face with n dots showing up is proportional to n. The probability of face showing 4 dots is?

(A)

17

(B)

542

(C)

121

(D)

421

ANS: (D) 421

50.

Find median and mode of the messages received on 9 consecutive days 15, 11, 9, 5, 18, 4, 15, 13, 17.

(A)

45090

(B)

13, 18

(C)

18, 15

(D)

15, 16

ANS: (B) 13, 18

51.

If random variable X follows binomial distribution with parameter n and p with mean 15 and variance 10, then the value of mode is

(A)

47/3

(B)

48/3

(C)

49/3

(D)

46/3

ANS: (D) 46/3

52.

Which of the following is true about the cumulative distribution function (CDF)?

(A)

It ranges from 0 to 1

(B)

It represents the probability density function

(C)

It is only defined for continuous random variables

(D)

It is used to calculate moments of a random variable

ANS: (A) It ranges from 0 to 1

53.

The expected value of a random variable represents:

(A)

The most probable value

(B)

The average value

(C)

The maximum value

(D)

The minimum value

ANS: (B) The average value

54.

What is the expected value of a fair six-sided dice roll?

(A)

1

(B)

3

(C)

4

(D)

6

ANS: (C) 4

55.

The chi-square distribution is used to test:

(A)

Hypotheses about means

(B)

Hypotheses about variances

(C)

Hypotheses about proportions

(D)

Hypotheses about medians

ANS: (B) Hypotheses about variances

56.

The t-distribution is commonly used for:

(A)

Testing hypotheses about means

(B)

Testing hypotheses about variances

(C)

Testing hypotheses about proportions

(D)

Testing hypotheses about medians

ANS: (A) Testing hypotheses about means

57.

A Histogram containing a set of

(A)

Adjacent Rectangles

(B)

Non-Adjacent rectangles

(C)

Adjacent squares

(D)

Adjacent triangles

ANS: (A) Adjacent Rectangles

58.

A(n) _____ is a graphical representation in which the sample space is represented by a rectangle and events are represented as circles

(A)

Frequency polygon

(B)

Histogram

(C)

Venn diagram

(D)

Tree diagram

ANS: (C) Venn diagram

59

A histogram is

(A)

A frequency graph

(B)

A time-series plot

(C)

A graph-plotting mean against standard deviation

(D)

A correlative frequency chart

ANS: (A) A frequency graph

60

Which of the following is an example of compressed data:

(A)

Histogram

(B)

Ungrouped data

(C)

Frequency distribution

(D)

Tabulation

ANS: (C) Frequency distribution

61)

Which type of frequency distribution is used for data that can be divided into classes or intervals?

(A)

Uni-variate frequency distribution

(B)

Bi-variate frequency distribution

(C)

Continuous frequency distribution

(D)

Discrete frequency distribution

ANS: (C) Continuous frequency distribution

62

In a uni-variate frequency distribution, the data is classified based on:

(A)

Two variables

(B)

One variable

(C)

Mean and median

(D)

Range and standard deviation

ANS: (B) One variable

63)

Which of the following graphical representations uses a circle divided into sectors to represent the relative frequencies of different classes?

(A)

Bar diagram

(B)

Pie diagram

(C)

Line diagram

(D)

Frequency polygon

ANS: (B) Pie diagram

64)

In a pie diagram, the size of each sector represents:

(A)

The mean of the data

(B)

The median of the data

(C)

The mode of the data

(D)

The relative frequency of the corresponding class

ANS: (D) The relative frequency of the corresponding class

65)

What is the Central Limit Theorem?

(A)

A statement about the distribution of scores in samples

(B)

A statement about the mean of scores from random samples

(C)

A statement about the distribution of scores from a normal population

(D)

A statement about the distribution of scores for any sample

ANS: (D) A statement about the distribution of scores for any sample

66)

Which of the following measures is used to find the middle value of a data set?

(A)

Mean

(B)

Median

(C)

Mode

(D)

Range

ANS: (B) Median

67)

Magnitude of scores is included in which of the central tendency measures?

(A)

Median

(B)

Mode

(C)

Mean

(D)

None

ANS: (C) Mean

68)

What were the first two results of a central tendency test?

(A)

Mean and Mode

(B)

Median and Mode

(C)

Mean, Median and Range

(D)

None

ANS:(A) Mean and Mode

69)

Mode refers to the value within a series that occurs _____ number of times.

(A)

Maximum

(B)

Minimum

(C)

Zero

(D)

Infinite

ANS: (A) Maximum

70

"The relationship between number of beers consumed (x) and blood alcohol content (y) was studied in 16 male college students by using least squares regression. The following regression equation was obtained from this study: != -0.0127 + 0.0180x

The above equation implies that:"

(A)

each beer consumed increases blood alcohol by 1.27%

(B)

on average it takes 1.8 beers to increase blood alcohol content by 1%

(C)

each beer consumed increases blood alcohol by an average of amount of 1.8%

(D)

each beer consumed increases blood alcohol by exactly 0.018

ANS: (C) each beer consumed increases blood alcohol by an average of amount of 1.8%

71

"If the correlation coefficient is 0.8, the percentage of variation in the response variable explained by the variation in the explanatory variable is"

(A)

0.008

(B)

0.8

(C)

0.0064

(D)

0.64

ANS: (D) 0.64

72

If the correlation coefficient is a positive value, then the slope of the regression line

(A)

must also be positive

(B)

can be either negative or positive

(C)

can be zero

(D)

can not be zero

ANS: (A) must also be positive

73)

"Regression analysis was applied to return rates of sparrowhawk colonies. Regression analysis was used to study the relationship between return rate (x: % of birds that return to the colony in a given year) and immigration rate (y: % of new adults that join the colony per year). The following regression equation was obtained ! = 31.9 – 0.34x

Based on the above estimated regression equation, if the return rate were to decrease by 10% the rate of immigration to the colony would:"

(A)

increase by 34%

(B)

increase by 3.4%

(C)

decrease by 0.34%

(D)

decrease by 3.4%

ANS: (B) increase by 3.4%

74)

Larger values of r 2 (R2) imply that the observations are more closely grouped about the

(A)

average value of the independent variables

(B)

average value of the dependent variable

(C)

least squares line

(D)

origin

ANS: (C) least squares line

75)

In a regression analysis if r 2 = 1, then

(A)

SSE must also be equal to one

(B)

SSE must be equal to zero

(C)

SSE can be any positive value

(D)

SSE must be negative

ANS: (B) SSE must be equal to zero

76

In a regression and correlation analysis if r 2 = 1, then

(A)

SSE = SST

(B)

SSE = 1

(C)

SSR = SSE

(D)

SSR = SST

ANS: (D) SSR = SST

77)

If the coefficient of determination is equal to 1, then the correlation coefficient

(A)

must also be equal to 1

(B)

can be either -1 or +1

(C)

can be any value between -1 to +1

(D)

must be -1

ANS: (B) can be either -1 or +1

78

"Suppose the correlation coefficient between height (as measured in feet) versus weight (as measured in pounds) is 0.40. What is the correlation coefficient of height measured in inches versus weight measured in ounces? [12 inches = one foot; 16 ounces = one pound]"

(A)

0.4

(B)

0.3

(C)

0.533

(D)

cannot be determined from information given

ANS: (A) 0.4

79)

Suppose that you have carried out a regression analysis where the total variance in the response is 133452 and the correlation coefficient was 0.85. The residual sums of squares is:

(A)

37032.92

(B)

20017.8

(C)

113434.2

(D)

96419.07

ANS: (A) 37032.92

80)

Which of the following is the cyclic behavior of time series?

(A)

Level

(B)

Trend

(C)

Seasonality

(D)

Noise

ANS: (C) Seasonality

81

LSTM stands for?

(A)

Long Short-Term Model

(B)

Long Short-Term Memory model

(C)

Long Short Memory model

(D)

LS Memory model

ANS: (B) Long Short-Term Memory model

82)

_____ is a technique for smoothing univariate time-series by assigning exponentially decreasing weights to data over a time period.

(A)

Walk Forward Validation

(B)

Prophet Model

(C)

LSTM Model

(D)

Exponential Smoothing

ANS: (D) Exponential Smoothing

83)

Recursive Descent Parsers are a type of:

(A)

LL parsers

(B)

LR parsers

(C)

LALR parsers

(D)

SLR parsers

ANS: (A) LL parsers

84)

Which of the following are components of a time series?

(A)

Trend, Seasonality, Noise

(B)

Mean, Median, Mode

(C)

Correlation, Covariance, Regression

(D)

Forecasting, Smoothing, Stationarity

ANS: (A)Trend, Seasonality, Noise

85)

What are the causes of variation in time series data?

(A)

Trend, Seasonality, Cyclical, Irregular

(B)

Randomness, Outliers, Noise

(C)

Bias, Skewness, Kurtosis

(D)

Correlation, Covariance, Regression

ANS: (A) Trend, Seasonality, Cyclical, Irregular

86)

Which models are used for decomposition in time series analysis?

(A)

Additive and Multiplicative

(B)

Linear and Nonlinear

(C)

Deterministic and Stochastic

(D)

Simple and Complex

ANS: (A) Additive and Multiplicative

87)

How many outcomes are possible when drawing a card from a deck of cards?

(A)

1

(B)

13

(C)

52

(D)

26

ANS: (D) 26

88)

A number is selected from the first 20 natural numbers. Find the probability that it would be divisible by 3 or 7?

(A)

720

(B)

1237

(C)

2467

(D)

1946

ANS: (C) 2467

89)

The probability that person A completes all the tasks assigned is 50% and that of person B is 20%. Find the probability that all the tasks are complete(D)

(A)

0.35

(B)

0.45

(C)

0.15

(D)

0.25

ANS: (D) 0.25

90)

A coin is tossed up 4 times. The probability that tails turn up in 3 cases is?

(A)

45017

(B)

45019

(C)

45078

(D)

44958

ANS: (C) 45078

91)

Which theorem is used to calculate the probability of an event given prior knowledge?

(A)

Central Limit Theorem

(B)

Law of Large Numbers

(C)

Bayes' Theorem

(D)

Chebyshev's Inequality

ANS: (C) Bayes' Theorem

92)

Which distribution is used to model the number of successes in a fixed number of independent Bernoulli trials?

(A)

Binomial Distribution

(B)

Poisson Distribution

(C)

Normal Distribution

(D)

Uniform Distribution

ANS: (A) Binomial Distribution

93)

The probability that at least one of the events Q and R occur is 0.6. If Q and R have a probability of occurring together as 0.2, then P(Q) + P(R) is?

(A)

1.2

(B)

0.8

(C)

0.4

(D)

Indeterminate

ANS: (A) 1.2

94)

Which index number is commonly used to measure changes in the overall level of prices in an economy?

(A)

Consumer Price Index (CPI)

(B)

Producer Price Index (PPI)

(C)

Wholesale Price Index (WPI)

(D)

Gross Domestic Product (GDP) Deflator

ANS: (D) Gross Domestic Product (GDP) Deflator

95)

What is base shifting in the construction of index numbers?

(A)

Changing the base year of an index number series to a different year

(B)

Changing the method of calculation for an index number series

(C)

Adjusting the weights of different items in an index number series

(D)

Revising the formula used for calculating the index number

ANS: (A) Changing the base year of an index number series to a different year

96)

What is splicing in the construction of index numbers?

(A)

Combining two or more index number series with overlapping periods

(B)

Breaking down an index number series into smaller components

(C)

Applying a transformation to the data in an index number series

(D)

Adjusting the weights of different items in an index number series

ANS: (A) Combining two or more index number series with overlapping periods

97)

Which test is used to verify the stability of an index number when both the base year and the weights are changed?

(A)

Time Reversal Test

(B)

Factor Reversal Test

(C)

Circular Test

(D)

Link Relative Test

ANS: (C) Circular Test

98

What is the purpose of a consumer price index (CPI)?

(A)

To measure changes in the prices of goods and services purchased by households

(B)

To measure changes in the prices of goods and services at the wholesale level

(C)

To measure changes in the prices of goods and services at the producer level

(D)

To measure changes in the overall level of prices in an economy

ANS: (A) To measure changes in the prices of goods and services purchased by households

99.

What is the formula for calculating the Fisher's price index?

(A)

Fisher's Price Index = (Laspeyres Index) x (Paasche Index)

(B)

Fisher's Price Index = (Laspeyres Index) + (Paasche Index)

(C)

Fisher's Price Index = (Laspeyres Index) - (Paasche Index)

(D)

Fisher's Price Index = (Laspeyres Index) / (Paasche Index)

ANS: (A) Fisher's Price Index = (Laspeyres Index) x (Paasche Index)

100.

What is the formula for calculating the Laspeyres quantity index?

(A)

Laspeyres Quantity Index = (Current year quantities / Base year quantities) x 100

(B)

Laspeyres Quantity Index = (Base year quantities / Current year quantities) x 100

(C)

Laspeyres Quantity Index = (Current year prices / Base year prices) x 100

(D)

Laspeyres Quantity Index = (Base year prices / Current year prices) x 100

ANS: (A) Laspeyres Quantity Index = (Current year quantities / Base year quantities) x 100