

GENERAL AWARENESS AND INTELLIGENCE

1

Fathometer is used to measure

(A)

Earthquakes

(B)

Rainfall

(C)

Ocean depth

(D)

Sound intensity

Answer: (C) Ocean depth

2

Who will inaugurate the 6th Asia Pacific Ministerial Conference?

(A)

Narendra Modi

(B)

Menaka Gandhi

(C)

Sushma Swaraj

(D)

Venkaiah Naidu

Answer: (D) Venkaiah Naidu

3

The most important small-scale industry in India is the

(A)

Textile Industry

(B)

Paper Industry

(C)

Handloom Industry

(D)

Jute industry

Answer: (C) Handloom Industry

4

Arrange the continents from largest to smallest?

- A) Africa
- B) Europe
- C) North America
- D) Asia
- E) Australia
- F) South America
- G) Antarctica

(A)

D,A,C,F,G,B,E

(B)

A,C,B,F,E,D,G

(C)

D,B,F,C,G,A,E

(D)

E,A,C,D,G,F,B

Answer: (A) D,A,C,F,G,B,E

5

Which one of the following rivers is recharged by subsoil water?

(A)

Godavari

(B)

Damodar

(C)

Narmada

(D)

Krishna

Answer: (C) Narmada

6

Which is a green planet in the solar system?

(A)

Pluto

(B)

Venus

(C)

Uranus

(D)

Mars

Answer: (C) Uranus

7

Exposure to sunlight helps a person improve his health because

(A)

the infrared light kills bacteria in the body

(B)

resistance power increases

(C)

the pigment cells in the skin get stimulated and produce a healthy tan

(D)

the ultraviolet rays convert skin oil into Vitamin D

Answer: D) the ultraviolet rays convert skin oil into Vitamin D

8

Who is known as 'the father of Indian missile technology'?

(A)

Dr. U.R. Rao

(B)

Dr. A.P.J. Abdul Kalam

(C)

Dr. Chidambaram

(D)

Dr. Homi Bhabha

Answer: (B) Dr. A.P.J. Abdul Kalam

9

Which is considered as the biggest port of India?

(A)

Kolkata

(B)

Cochin

(C)

Chennai

(D)

Mumbai

Answer: (D) Mumbai

10

Federation cup, World cup, Allwyn international trophy and challenge cup are awarded to winners of

(A)

Tennis

(B)

Volleyball

(C)

Basketball

(D)

Cricket

Answer: (B) Volleyball

11

In a code language, 'shall we dance today' is written as 'ned bin tru pat', 'we sing and dance' is written as 'sid pat cam ned', 'sing a song together' is written as 'zig fah rip sid'. What is the code for the word 'and' in this language?

(A)

pat

(B)

ned

(C)

cam

(D)

Sid

Answer: (C) cam

12

Virology : Virus : : Semantics : ?

(A)

Amoeba

(B)

Language

(C)

Nature

(D)

Society

Answer: (B) Language

13

MHZ, NIW, OKT, PNQ, ?

(A)

RRN

(B)

QRN

(C)

QRM

(D)

QQN

Answer: (B) QRN

14

Book : Publisher : : Film : ?

(A)

Producer

(B)

Director

(C)

Editor

(D)

Writer

Answer: (A) Producer

15

DHL, PTX, BFJ, ?

(A)

CGK

(B)

KOS

(C)

NRV

(D)

RVZ

Answer: (C) NRV

16

Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

l_b_ub_ubt_blu_tub

(A)

ubtlu

(B)

utlub

(C)

tulbu

(D)

butlu

Answer: (B) utlub

17

In a certain code, '253' means 'books are old'; '546' means 'man is old' and '378' means 'buy good books.' What stands for "are" in that code?

(A)

6

(B)

2

(C)

4

(D)

5

Answer: (B) 2

18

Which number is wrong in the given series?
12439, 23549, 34659, 45769

(A)

34659

(B)

23549

(C)

45769

(D)

1243

Answer: (A) 34659

19

Identify which one of the given alternatives will be another member of the group of that class.

Lucknow, Patna, Bhopal, Jaipur, ?

(A)

Shimla

(B)

Mysore

(C)

Pune

(D)

Indore

Answer: (A) Shimla

20

Which number will complete the series?

6 , 8 , 17 , 19 , 28 , 30 , ?

(A)

32

(B)

37

(C)

38

(D)

39

Answer: (D) 39

GENERAL ENGLISH AND COMPREHENSION

21

When he
P: did not know
Q: he was nervous and
R: heard the hue and cry at midnight
S: what to do

The Proper sequence should be:

(A)

RQPS

(B)

QSPR

(C)

SQPR

(D)

PQRS

Answer: (A) RQPS

22

Put the jumbled words in the correct order to form a meaningful sentence.
timely / your / am / help / I / for / thankful / really

(A)

I am really thankful for your timely help.

(B)

Your timely help I am thankful for really.

(C)

Your help I am timely thankful for really.

(D)

For your timely help I am really thankful

Answer: (A) I am really thankful for your timely help.

23

Select the one which best expressed the same sentence in Passive/Active Voice and mark your answer.

We waste much time on trifles.

(A)

Much time was wasted on trifles

(B)

Much time will be wasted on trifles

(C)

Much time is wasted by us on trifle's.

(D)

Much time is wasted on trifles

Answer: (C) Much time is wasted by us on trifle's.

24

Select the one which best expressed the same sentence in Passive/Active Voice and mark your answer.

Our task had been completed before sunset.

(A)

We completed our task before sunset.

(B)

We have completed our task before sunset.

(C)

We complete our task before sunset.

(D)

We had completed our task before sunset.

Answer: (D) We had completed our task before sunset.

25

Somniloquist is one who –

(A)

Talks in sleep.

(B)

Walks in sleep.

(C)

Laughs in sleep.

(D)

Sings in sleep.

Answer: (A) Talks in sleep.

26

Plants of a particular region

(A)

Flora

(B)

Flinch

(C)

Fauna

(D)

Flotsam

Answer: (A) Flora

27.

Direct and Indirect Speech

He said, "My father is playing tennis with me."

(A)

He said that his father was playing tennis with him.

(B)

That his father was playing tennis with him was said by him.

(C)

He said that his father is playing tennis with him.

(D)

He said that tennis was being played by his father.

Answer: (A) He said that his father was playing tennis with him.

28

Direct and Indirect Speech

She said, "I visited the University yesterday."

(A)

She said she had visited the university the day before.

(B)

She said she visited the university that day

(C)

That she visited the university was said.

(D)

She said that she had visited the University the previous day.

Answer: (D) She said that she had visited the University the previous day.

29

Identify which of the following conjunctions can join both sentences such that the meaning of the two statements would not change. If none of the conjunctions are (in)correct, mark your answer.

Jogging a kilometre uses the same number of calories “as if you walk” two kilometres.

(A)

as walking

(B)

than to walk

(C)

than by walking

(D)

as though you walk

Answer: (A) as walking’.

30

Identify which of the following conjunctions can join both sentences such that the meaning of the two statements would not change. If none of the conjunctions are (in)correct, mark your answer.

“Stocks worthy of” rupees one lakh were destroyed in the fire which occurred last night.

(A)

Stocks worth

(B)

Stocks worth of

(C)

Stock worthy

(D)

Stock, off worth

Answer: (B) Stocks worth of

31.

Choose the correct order given and indicate your choice for the right answer.

P. against Hate member Khalid Saifi, arrested in connection with the northeast

Q. noting that they are not previous convicts nor gangsters

R. a Delhi court has dismissed a petition filed by authorities

S. Delhi riots last year, in fetters and handcuffs,

T. to produce former JNU student Umar Khalid and United

(A)

TQSPR

(B)

STQPR

(C)

PQRST

(D)

RTPSQ

Answer: (D)RTPSQ

32

Choose the correct order given and indicate your choice for the right answer.

P. in Canada of the remains of 215 Indigenous students
Q. Pope Francis expressed his pain over the discovery
R. pressed religious and political
S. authorities to shed light on this sad affair
T. of church-run boarding schools and

(A)

RSTPQ

(B)

QPTRS

(C)

PQRST

(D)

RTQPS

Answer: (B) QPTRS

33

Select the one that best expressed the same sentence with a missing preposition and mark your answer out of the four alternatives suggested.

Pavan says that he aims _____ winning at least a consolation prize.

(A)

to

(B)

at

(C)

on

(D)

for

Answer: (B) at

34.

Select the one that best expressed the same sentence with a missing preposition and mark your answer out of the four alternatives suggested.

He is responsible _____ the president for his decisions.

(A)

for

(B)

of

(C)

to

(D)

with

Answer: (C) to

35

Choose the correct Words given and indicate your choice for the correct answer.
The organization aims **'to providing with'** satellite-based data on climate-relevant information with the highest possible levels of accuracy and reliability.

(A)

to provide with

(B)

at providing with

(C)

to provide

(D)

to the provision of

Answer: (C) to provide

36

Choose the correct Words given and indicate your choice for the correct answer.
Mobile phones are nowadays used not just to make calls or send and receive text messages
“but to also carry-on” financial transactions.

(A)

but also to carry on

(B)

but to carry out also

(C)

but also to carry out

(D)

and to carry out

Answer: (C) but also to carry out

37

Choose the correct Synonyms.
INEXPLICABLE

(A)

Confusing

(B)

Unaccountable

(C)

Chaotic

(D)

Unconnected

Answer: (B) Unaccountable

38

Choose the correct Synonyms.

Candid

(A)

Overconfident

(B)

Frank

(C)

Arrogant

(D)

Careless

Answer: (B) Frank

39

Choose the correct Antonyms.

“MASSIVE”

(A)

Lump sum

(B)

Strong

(C)

Little

(D)

Huge

Answer: (D) Huge

40

Choose the correct Antonyms.

“EXPONENT”

(A)

Cancel

(B)

Advocate

(C)

Meddler

(D)

Horrid

Answer: (B) Advocate

SENIOR INVESTIGATOR

41

Which of the following is true about sampling?

(A)

Sample is a part of population.

(B)

Sampling saves time, money and energy.

(C)

Sampling helps in estimating sampling error.

(D)

All of the mentioned

Answer: (D) All of the mentioned

42

A member of the population is called:

(A)

Element.

(B)

Data.

(C)

Family.

(D)

Group.

Answer: (A) Element.

43

The population to be sampled is divided into units which are known as:

(A)

Sampling frame.

(B)

Sampling error.

(C)

Sampling gap.

(D)

Sampling units.

Answer: (D) Sampling units.

44

A complete survey of population is called:

(A)

Census.

(B)

Sample.

(C)

Report.

(D)

None

Answer: (A) Census.

45

Judgmental sampling is also known as:

(A)

Purposive sampling.

(B)

Convenience sampling.

(C)

Extensive sampling.

(D)

Cluster sampling.

Answer: (A) Purposive sampling.

46

Sampling which provides for a known non-zero chance of selection is:

(A)

Probability sampling.

(B)

Non-probability sampling.

(C)

Quota sampling.

(D)

Extensive sampling.

Answer: (A) Probability sampling.

47

In cluster sampling, population is divided into clusters or groups which are _____ in nature.

(A)

Homogenous.

(B)

Heterogeneous.

(C)

Both **Heterogeneous** and **Homogenous**.

(D)

None

Answer: (B) Heterogeneous.

48

Sampling in qualitative research is similar to which type of sampling in quantitative research?

(A)

Probability sampling.

(B)

Quota sampling.

(C)

Stratified sampling.

(D)

Purposive sampling.

Answer: (D) Purposive sampling.

49

Which of the following are steps in the sampling process?

(A)

Defining target population.

(B)

Selecting and identifying the sample method.

(C)

Choosing sampling frame.

(D)

All of the mentioned

Answer: (D) All of the mentioned

50

A complete survey of the population is called:

(A)

Census.

(B)

Sample.

(C)

Report.

(D)

None

Answer: (A) Census.

51

Which one is not the standard length of galvanised corrugated iron sheet in metric system?

(A)

1.8 m

(B)

2.0 m

(C)

2.9 m

(D)

2.8 m

Answer: (A) 1.8 m

52

The expected life of cement concrete floor is taken as

(A)

100 years

(B)

75 years

(C)

50 years

(D)

20 years

Answer: (B) 75 years

53

Brick walls are measured in m² if the thickness of the wall is

(A)

10 cm

(B)

15 cm

(C)

20 cm

(D)

30 cm

Answer: (A) 10 cm

54

Which one is the waterproof cement point?

(A)

Snowcem

(B)

Supercem

(C)

Aquacem

(D)

All of the mentioned

Answer: (B) Supercem

55

Which soil will have the maximum permissible load per square metre?

(A)

Black cotton soil

(B)

Moist clay

(C)

Loose sand

(D)

Compact gravel

Answer: (A) Black cotton soil

56

A revised estimate is usually prepared when the original estimate has exceeded by more than

(A)

1%

(B)

2%

(C)

10%

(D)

100%

Answer: (C) 10%

57

A random variable that assumes a finite or a countably infinite number of values is called

(A)

Continuous random variable

(B)

Discrete random variable

(C)

Irregular random variable

(D)

Uncertain random variable

Answer: (B) Discrete random variable

58

A random variable that assumes an infinite or an uncountably infinite number of values is called _____

(A)

Continuous random variable

(B)

Discrete random variable

(C)

Irregular random variable

(D)

Uncertain random variable

Answer: (A) Continuous random variable

59

In a random experiment, observations of a random variable are classified as _____

(A)

Events

(B)

Composition

(C)

Trials

(D)

Functions

Answer: (A) Events

60

If the values taken by a random variable are negative, the negative values will have

(A)

Positive probability

(B)

Negative Probability

(C)

May have negative or positive probabilities

(D)

Insufficient data

Answer: (A) Positive probability

61

If $P(x) = 0.5$ and $x = 4$, then $E(x) = ?$

(A)

1

(B)

0.5

(C)

4

(D)

2

Answer: (D) 2

62

Which of the following distributions is Continuous?

(A)

Binomial Distribution

(B)

Hyper-geometric Distribution

(C)

F-Distribution

(D)

Poisson Distribution

Answer: (C) F-Distribution

63

F-Distribution cannot take negative values.

(A)

TRUE

(B)

FALSE

(C)

Depends

(D)

None

Answer: (A) TRUE

64

Find Variance for an F-Distribution with $v_1=5$ and $v_2=9$.

(A)

1.587

(B)

1.378

(C)

1.578

(D)

1.498

Answer: (A) 1.587

65

Which of the following statements is true for correlation analysis?

(A)

It is a bivariate analysis

(B)

It is a multivariate analysis

(C)

It is a univariate analysis

(D)

None

Answer: (C) It is a univariate analysis

66

Which of the following statements is true about the null hypothesis?

(A)

Any wrong decision related to the null hypothesis results in two types of errors

(B)

Any wrong decision related to the null hypothesis results in one type of an error

(C)

Any wrong decision related to the null hypothesis results in four types of errors

(D)

Any wrong decision related to the null hypothesis results in three types of errors

Answer: (A) Any wrong decision related to the null hypothesis results in two types of errors

67

Which of the following statements is true about the type two error?

(A)

Type two error means to accept an incorrect hypothesis

(B)

Type two error means to reject an incorrect hypothesis

(C)

Type two error means to accept a correct hypothesis

(D)

Type two error means to reject a correct hypothesis

Answer: (A) Type two error means to accept an incorrect hypothesis

68

The dependent variable is also called:

(A)

Regressand variable

(B)

Predictand variable

(C)

Explained variable

(D)

All of the mentioned

Answer: (D) All of the mentioned

69

To determine the height of a person when his weight is given is:

(A)

Correlation problem

(B)

Association problem

(C)

Regression problem

(D)

Qualitative problem

Answer: (C) Regression problem

70

If $Y = 2 - 0.2X$, then the value of Y intercept is equal to:

(A)

-0.2

(B)

2

(C)

0.2X

(D)

All of the mentioned

Answer: (B) 2

71

If regression line of Y on X is $Y = 5X + 5$, then value of regression coefficient of Y on X is:

(A)

0

(B)

0.5

(C)

1

(D)

None

Answer: (A) 0

72

If the value of any regression coefficient is zero, then two variables are:

(A)

Qualitative

(B)

Correlation

(C)

Dependent

(D)

Independent

Answer: (D) Independent

73

Graph of time series is called

(A)

Line graph

(B)

Trend

(C)

Historigram

(D)

Histogram

Answer: (C) Histogram

74

Prosperity, Recession, and depression in a business is an example of

(A)

Irregular Trend

(B)

Secular Trend

(C)

Cyclical Trend

(D)

Seasonal Trend

Answer: (C) Cyclical Trend

75

Time series data have a total number of components?

(A)

3

(B)

6

(C)

5

(D)

4

Answer: (D) 4

76

Seasonal variations are

(A)

Short term variation

(B)

Long term variation

(C)

Sudden variation

(D)

None

Answer: (A) Short term variation

77

In moving average method we cannot find trend values of some

(A)

End Periods

(B)

Middle Period

(C)

Starting and End Periods

(D)

Starting Periods

Answer: (C) Starting and End Periods

78

A rise in prices before Eid is an example of

(A)

Cyclical Trend

(B)

Secular Trend

(C)

Irregular Trend

(D)

Seasonal Trend

Answer: (D) Seasonal Trend

79

Which of the following is true for white noise?

(A)

Mean = 0

(B)

Zero autocovariances

(C)

Zero autocovariances except at lag zero

(D)

Quadratic Variance

Answer: (C) Zero autocovariances except at lag zero

80

The factor reversal test is satisfied by:

(A)

Fisher's Ideal Index

(B)

Marshall-Edgeworth Method

(C)

Simple GM of price relatives

(D)

All of the mentioned

Answer: (A) Fisher's Ideal Index

81

Fisher's index number is based on:

(A)

AM of Laspeyres and Paasche's Index

(B)

GM of Laspeyres and Paasche's Index

(C)

HM of Laspeyres and Paasche's Index

(D)

None

Answer: (B) GM of Laspeyres and Paasche's Index

82

Another name of consumer's price index number is:

(A)

Whole-sale price index number

(B)

Cost of living index

(C)

Sensitive

(D)

Composite

Answer: (B) Cost of living index

83

Most commonly used index number is:

(A)

Volume index number

(B)

Value index number

(C)

Price index number

(D)

Simple index number

Answer: (C) Price index number

84

The aggregative expenditure method and family budget method always give:

(A)

Different results

(B)

Approximate results

(C)

Same results

(D)

None

Answer: (C) Same results

85

The most appropriate average in averaging the price relatives is:

(A)

Median

(B)

Harmonic mean

(C)

Arithmetic mean

(D)

Geometric mean

Answer: (D) Geometric mean

86

While computing a weighted index, the current period quantities are used in the:

(A)

Laspeyre's method

(B)

Paasche's method

(C)

Marshall Edgeworth method

(D)

Fisher's ideal method

Answer: (B) Paasche's method

87

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

(A)

Median

(B)

Mode

(C)

Mean

(D)

None

Answer: (C) Mean

88

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

Answer: (A) Mean and Mode

89

Which one of the following statements best describes the mode measure?

(A)

It gives us the most common score in a data set, which will change if you rearrange the scores in any order.

(B)

It gives us the most common score in a data set, which will not change if you rearrange the scores in any order.

(C)

It is always greater than or equal to the mean of a data set.

(D)

None

Answer: (C) It is always greater than or equal to the mean of a data set.

90

Which one of the following statements best describes the range measure?

(A)

It gives us the highest and lowest scores in a data set.

(B)

It gives us the lowest and highest scores in a data set.

(C)

It is always greater than or equal to the mean of a data set.

(D)

None

Answer: (B) It gives us the lowest and highest scores in a data set.

91

Which one of the following statements best describes the standard deviation measure?

(A)

It gives us the spread of a data set.

(B)

It tells how much a data set is spread from its mean.

(C)

It is always greater than or equal to the mean of a data set.

(D)

None

Answer: (C) It is always greater than or equal to the mean of a data set.

92

What is the standard deviation measure?

(A)

It measures how much a data set is spread from its mean.

(B)

It measures how much a data set is spread from another data set.

(C)

It indicates how closely related two or more sets are in terms of their respective means, medians, and quantiles.

(D)

All of the mentioned

Answer: (D) All of the mentioned

93

What is an assumption when a data set is normally distributed?

(A)

The central tendency of populations is always equal to or greater than some constant.

(B)

Data points in a data set are, on average, equally spaced.

(C)

It has a standard deviation equal to 1.

(D)

All of the mentioned

Answer: (B) Data points in a data set are, on average, equally spaced.

94

Which of the following are characteristics of a good measure of dispersion?

(A)

It should be easy to calculate

(B)

It should be based on all the observations within a series

(C)

It should not be affected by the fluctuations within the sampling

(D)

All of the mentioned

Answer: (D) All of the mentioned

95

The coefficient of variation is a percentage expression for _____.

(A)

Standard deviation

(B)

Quartile deviation

(C)

Mean deviation

(D)

None

Answer: (A) Standard deviation

96

The numerical value of a standard deviation can never be _____.

(A)

Negative

(B)

Zero

(C)

Larger than the variance

(D)

None

Answer: (A) Negative

97

Which of the following cannot be calculated for open-ended distributions?

(A)

Standard deviation

(B)

Mean deviation

(C)

Range

(D)

None

Answer: (B) Mean deviation

98

The Lorenz Curve is a technique that is used to show _____.

(A)

The inequality of wealth and income of a group of people

(B)

The unemployment of a group of people

(C)

The equality of wealth and income of a group of people

(D)

None

Answer: (A) The inequality of wealth and income of a group of people

99

In Statistics of dispersion, the Measure of dispersion can never be _____

(A)

Positive

(B)

Zero

(C)

Equal to

(D)

Negative

Answer: (D) Negative

100

On which change the variance of a data set is independent?

(A)

Origin only

(B)

Scale only

(C)

Origin and Scale

(D)

None

Answer: (A) Origin only