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FOR JNUEE EXAM PREPARATION

JNUEE 2022 Question Paper · Ph.D Economic Studies and Planning

EXAM	YEAR	TYPE	SUBJECT
JNUEE	2022	Question Paper	Ph.D Economic Studies and Planning

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National Testing Agency
Excellence in Assessment

Test Date : 07 Dec 2022 **Test Slot :** Slot 1

Subject : ECOH-Economic Studies & Planning

Sl. No.1
QBID:8652001

Which size of shirt, a shirt producer will always make ready in high quantity

(1) median size (2) mean size
(3) mode size (4) geometric mean size

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=401]
2[Option ID=402]
3[Option ID=403]
4[Option ID=404]

Sl. No.2
QBID:8652002

Match the following income hypothesis and their propounders.

(A) Life Cycle hypothesis (I) Ando and Modigliani
(B) Permanent income hypothesis (II) Friedman
(C) Relative income hypothesis (III) James Duesenberry
(D) Absolute income hypothesis (IV) Keynes

Choose the correct answer from the options given below:

(1) (A)-(I), (B)-(II), (C)-(III), (D)-(IV) (2) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
(3) (A)-(III), (B)-(IV), (C)-(I), (D)-(II) (4) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=405]
2[Option ID=406]
3[Option ID=407]
4[Option ID=408]

Sl. No.3
QBID:8652003

Consider the following statements, correct for the classical economic theory.

(A) existence of full employment in long run

(B) existence of laissez faire capitalist economy

(C) existence of demand for money for speculative purpose

(D) money wages can be cut to achieve full employment in the economy.

Choose the correct option from below :

(1) Only (A), (B) and (D) are correct

(2) Only (C) is correct

(3) Only (A), (B) and (C) is correct

(4) All (A), (B), (C) and (D) are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=409]
2[Option ID=410]
3[Option ID=411]
4[Option ID=412]

Sl. No.4
QBID:8652004

Let us assume that Y is the quantity of a commodity and X is price of commodity. The regression $Y = \alpha + \beta X$ and find the price elasticity based on calculation as

$\sum Y = 756$, $\sum X = 108$, $N = 12$, $\sum XY = 156$

(1) 0.464 (2) 0.232

(3) 0.300 (4) 0.570

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=413]
2[Option ID=414]
3[Option ID=415]
4[Option ID=416]

Sl. No.5
QBID:8652005

Samples data is collected from the field and found the following calculation as

$\sum X = 11.34$, $\sum Y = 20.72$, $\sum X^2 = 12.16$, $\sum YX = 22.13$, $\sum Y^2 = 84.96$

Estimates the regression β coefficient from the $Y = \hat{\alpha} + \hat{\beta} X$

(1) 4.59 (2) 2.34

(3) 1.82 (4) 0.004

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=417]
2[Option ID=418]
3[Option ID=419]
4[Option ID=420]

Sl. No.6
QBID:8652006

Which is not a method of estimation?

(1) Pearson lemma method
(2) Moment method
(3) Least square method
(4) Maximum likelihood method

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=421]
2[Option ID=422]
3[Option ID=423]
4[Option ID=424]

Sl. No.7
QBID:8652007

The cost price of a product is diminished by 20% and its demand increased by 15%, find the profit or loss

(1) –3%
(2) –5%
(3) –8%
(4) 2%

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=425]
2[Option ID=426]
3[Option ID=427]
4[Option ID=428]

Sl. No.8
QBID:8652008

The price of a crackers is diminished by 15% during the Diwali 2022 and it demand increased by 20%, find the profit or losses.

(1) One percent
(2) Two percent
(3) Four percent
(4) Three percent

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=429]
2[Option ID=430]
3[Option ID=431]
4[Option ID=432]

Sl. No.9
QBID:8652009

Consider the following statements related to the concept of utility.

(A) want satisfying power of a commodity or service is called utility

(B) utility is a psychological concept

(C) utility is ethically neutral concept

(D) utility is subjective concept

Choose the correct answer from the options given below :

(1) Only (A), (B) and (C) are correct

(2) Only (B), (C) and (D) are correct

(3) Only (C), (D) and (A) are correct

(4) All (A), (B), (C) and (D) are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=433]
2[Option ID=434]
3[Option ID=435]
4[Option ID=436]

Sl. No.10
QBID:8652010

Consider the following statements :

(A) direction of deductive method is from general to specific

(B) direction of inductive method is from specific to general

(C) statistical method can be used in inductive method

(D) both inductive and deductive methods are used in economics

Choose the correct answer from the options given below :

(1) Only (A), and (B) are correct

(2) Only (C) and (D) are correct

(3) Only (A), (B) and (D) are correct

(4) All (A), (B), (C) and (D) are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=437]
2[Option ID=438]
3[Option ID=439]
4[Option ID=440]

Sl. No.11
QBID:8652011

Find the price elasticity (E_p) of commodity x, when total budget is spent on two commodities x and y, and income elasticity (E_i) is 2, substitution elasticity (E_s) is 3, and 1/10 share of the income is spent on commodity x.

(1) 2.9 (2) 5

(3) 1.5 (4) 1

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=441]
2[Option ID=442]
3[Option ID=443]
4[Option ID=444]

Sl. No.12
QBID:8652012

What is the range of gross domestic saving of India as a percent of GDP at current market prices of year 2019–20?

(1) 10.5 to 18.1 (2) 20.5 to 25.4

(3) 30.4 to 35.1 (4) 35.2 to 45.2

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=445]
2[Option ID=446]
3[Option ID=447]
4[Option ID=448]

Sl. No.13
QBID:8652013

What is the fiscal deficit as a percentage of GDP of Govt. of India for the 2019–20?

(1) 1.5 – 2.4 (2) 2.5 – 3.4

(3) 3.5 – 5.5 (4) 6.4 – 8.5

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=449]
2[Option ID=450]
3[Option ID=451]
4[Option ID=452]

Sl. No.14
QBID:8652014

Names of the six Indian states are given below with their codes :

State	Code
Uttar Pradesh	A
Punjab	B
Kerala	C
Haryana	D
Gujarat	E
Bihar	F

Select the correct option which shows the descending order of the child sex ratio (0–6 years) Census 2011.

(1) C, F, A, E, B, D
(2) D, C, F, A, E, B
(3) D, B, E, A, F, C
(4) F, A, E, B, D, C

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=453]
2[Option ID=454]
3[Option ID=455]
4[Option ID=456]

Sl. No.15
QBID:8652015

Names of the six Indian states are given below with their codes :

State	Code
Bihar	A
Gujarat	B
Haryana	C
Kerala	D
Punjab	E
Uttar Pradesh	F

Select the correct option which shows the ascending order of child sex ratio (0–6 year) census 2011.

(1) D, A, F, B, E, C
(2) C, E, B, F, A, D
(3) E, B, F, A, D, C
(4) D, C, E, B, F, A

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=457]
2[Option ID=458]
3[Option ID=459]
4[Option ID=460]

Sl. No.16
QBID:8652016

A person invests Rs. 40,000 in two bonds, bond A pays 14% and bond B pays 12% return. The person gets total return of Rs. 5,120 after one year. How much is the return of bond B?

(1) 12,000 (2) 24,000

(3) 16,000 (4) 21,000

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=461]
2[Option ID=462]
3[Option ID=463]
4[Option ID=464]

Sl. No.17
QBID:8652017

Given,

LM equation : $0.25Y - 200i - 193 = 0$

IS equation : $0.3Y - 100i - 252 = 0$

Find the equilibrium interest rate

(1) 0.006 (2) 0.06

(3) 6 (4) 0.01

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=465]
2[Option ID=466]
3[Option ID=467]
4[Option ID=468]

Sl. No.18
QBID:8652018

Find the commodity market equilibrium from the equations given below:

$C = 100 + 0.6Y$, $I = 130 - 99i$

(1) $0.4Y + 99i + 230 = 0$ (2) $0.6Y + 99i - 230 = 0$

(3) $0.04Y + 99i + 230 = 0$ (4) $0.4Y + 99i - 230 = 0$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=469]
2[Option ID=470]
3[Option ID=471]
4[Option ID=472]

Sl. No.19
QBID:8652019

Find the (money market equilibrium) LM equation, given

Transaction – Precautionary demand for money = M_t

Speculative demand for money = M_w

Money supply = M_s

$M_t = 0.25y$, $M_w = 120 - 200i$

$M_s = 200$

(1) $0.25y - 200i + 80 = 0$

(2) $0.75y - 200i - 80 = 0$

(3) $0.25y - 200i - 80 = 0$

(4) $0.75y - 200i - 320 = 0$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=473]
2[Option ID=474]
3[Option ID=475]
4[Option ID=476]

Sl. No.20
QBID:8652020

Find the equilibrium price and quantity for the following linear supply and demand equations

Supply $P = \frac{4}{5}Q + 5$

Demand $P = -\frac{2}{5}Q + 35$

(1) $P = 25, Q = 25$

(2) $P = 20, Q = 30$

(3) $P = 30, Q = 20$

(4) $P = 35, Q = 15$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=477]
2[Option ID=478]
3[Option ID=479]
4[Option ID=480]

Sl. No.21
QBID:8652021

Find the level of profit of a firm that has a fixed cost of Rs. 950, a variable cost of Rs. 70 per unit and supply price of Rs. 85, when it sells 100 units

(1) 550

(2) –550

(3) 450

(4) 2450

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=481]
2[Option ID=482]
3[Option ID=483]
4[Option ID=484]

Sl. No.22
QBID:8652022

The price of good (P), price of complements (P_C), price of substitute (P_s) and price of inputs (P_i) are associated with demand and supply as below :

$$Q_D = K - \beta P - cP_C + sP_s$$

$$Q_S = \alpha + bP - ip_i$$

What will be impact of per unit change in input on price of goods?

(1) $\frac{i}{b+\beta}$ (2) $\frac{n}{b+i}$

(3) bp (4) $\frac{i}{b-n}$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=485]
2[Option ID=486]
3[Option ID=487]
4[Option ID=488]

Sl. No.23
QBID:8652023

Quantity demand (Q_D) = 80 – 2P and Quantity Supply (Q_S) = 10 + 0.5 P. Find equilibrium quantity

(1) 20 (2) 22

(3) 24 (4) 26

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=489]
2[Option ID=490]
3[Option ID=491]
4[Option ID=492]

Sl. No.24
QBID:8652024

When Total Cost TC = 2550 + 5 x and the current market price (P) is Rs. 15.00 per unit of output X, what will be Break Even Point for output.

(1) $x = 255$ (2) $x = 355$

(3) $x = 455$ (4) $x = 555$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=493]
2[Option ID=494]
3[Option ID=495]
4[Option ID=496]

Sl. No.25
QBID:8652025

The production function $X = 5K + 3L + KL$ signifies

(1) IRS (2) CRS
(3) DRS (4) MRS

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=497]
2[Option ID=498]
3[Option ID=499]
4[Option ID=500]

Sl. No.26
QBID:8652026

The production function of a firm is $X = 5 \cdot K^{\frac{1}{2}} \cdot L^{\frac{1}{2}}$ at given $K = 16$, $P_x = 6$ and wage rate $(w) =$ Rs. 5 per unit. Find optimum unit of labour (L)

(1) 140 (2) 142
(3) 144 (4) 148

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=501]
2[Option ID=502]
3[Option ID=503]
4[Option ID=504]

Sl. No.27
QBID:8652027

When the demand function of apple (x) in a city 'A' for price (P) is $X = 50 - \frac{1}{10} \cdot P$. Find the consumer surplus when current market price is 50

(1) 10,125 (2) 11,125
(3) 10,600 (4) 12,600

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=505]
2[Option ID=506]
3[Option ID=507]
4[Option ID=508]

Sl. No.28
QBID:8652028

The monthly income of a consumer is Rs. 4,000 to be spent on either X or Y having $P_X = 2$ and $P_Y = 4$. The $MU_X = \frac{3}{x}$ and $MU_Y = \frac{9}{y}$ are given. Find the optimum expenditure on x.

(1) 500 (2) 700

(3) 800 (4) 1000

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=509]
2[Option ID=510]
3[Option ID=511]
4[Option ID=512]

Sl. No.29
QBID:8652029

When the supply function of milk (Q) in city 'A' is $Q = 3P - 300$, find the price at which no quantity of milk will be supplied in the city?

(1) 300 (2) 900

(3) 100 (4) 800

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=513]
2[Option ID=514]
3[Option ID=515]
4[Option ID=516]

Sl. No.30
QBID:8652030

When the demand function of a city 'A' for quantity (Q) and price (P) is $Q = 36 - 3P$, find the maximum price

(1) 12 (2) 14

(3) 3 (4) 18

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=517]
2[Option ID=518]
3[Option ID=519]
4[Option ID=520]

Sl. No.31
QBID:8652031

Find the time path of national income (y_t) when $C_t = 60 + 0.8\, y_{t-1}$, $I_t = 50$ and $y_0 = 1300$

(1) $730(0.8)^t + 550$ (2) $308(0.8)^t + 540$

(3) $680(0.6)^t + 630$ (4) $680(0.6)^t + 550$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=521]
2[Option ID=522]
3[Option ID=523]
4[Option ID=524]

Sl. No.32
QBID:8652032

Find the value of $\int_0^6 7x\, dx$

(1) 62 (2) 63

(3) 64 (4) 65

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=525]
2[Option ID=526]
3[Option ID=527]
4[Option ID=528]

Sl. No.33
QBID:8652033

What will be an impact of change in autonomous investment (I_0) on income (y) when consumption $(C) = k \cdot Y$ and investment $(I) = \alpha$

(1) $\frac{1}{1-K}$ (2) $\frac{1}{1+K}$

(3) $\frac{\alpha}{\alpha+K}$ (4) $\frac{\alpha}{K-\alpha}$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=529]
2[Option ID=530]
3[Option ID=531]
4[Option ID=532]

Sl. No.34
QBID:8652034

Nature of economics is

(1) Only Science
(2) Only Art
(3) Both Art and Science
(4) Neither Art nor Science

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=533]
2[Option ID=534]
3[Option ID=535]
4[Option ID=536]

Sl. No.35
QBID:8652035

The term prosperity, recession, depression and recovering are consider to

(1) Secular trend
(2) Seasonal fluctuations
(3) Cyclic movement
(4) Irregular variation

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=537]
2[Option ID=538]
3[Option ID=539]
4[Option ID=540]

Sl. No.36
QBID:8652036

If a sample collected randomly and found the value as 1, 3, 5, 7, 9 then find the standard error of sample mean is

(1) S.E. = $\sqrt{\frac{1}{2}}$
(2) S.E. = $\sqrt{2}$
(3) S.E. = $\frac{1}{2}$
(4) S.E. = 2

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=541]
2[Option ID=542]
3[Option ID=543]
4[Option ID=544]

Sl. No.37
QBID:8652037

A survey is conducted to know the effect of the Govt. policy. In this survey, sample selected through non-involvement of probability, is known as _____.

(1) Subjective Sampling
(2) Stratified Sampling
(3) Proportional Sampling
(4) SRSWOR

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=545]
2[Option ID=546]
3[Option ID=547]
4[Option ID=548]

Sl. No.38
QBID:8652038

A Students-t is categorised as

(1) an estimates (2) an estimator

(3) a statistic (4) a frame

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=549]
2[Option ID=550]
3[Option ID=551]
4[Option ID=552]

Sl. No.39
QBID:8652039

A Professor circulated the joint mass function of X and Y variable as $f(x, y) = \frac{x+y}{21}$, $x = 1, 2, 3$ and $y = 1, 2$ then find the value $p(x = 3)$ is equal to

(1) 3/7 (2) 2/7

(3) 1/9 (4) 9/20

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=553]
2[Option ID=554]
3[Option ID=555]
4[Option ID=556]

Sl. No.40
QBID:8652040

Let Y be a continuous random variable with probability density function,

$$f(y) = \begin{cases} Ky\,;\ 0 \le y \le 1 \\ K\,;\ 1 \le y \le 2 \\ 0\,;\ \text{otherwise} \end{cases}$$

What is the value of K ....

(1) 1/4 (2) 2/3

(3) 2/5 (4) 3/5

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=557]
2[Option ID=558]
3[Option ID=559]
4[Option ID=560]

Sl. No.41
QBID:8652041

For the two values Y_1 and Y_2, which one is correct

(1) AM ≥ GM ≥ HM
(2) AM ≥ HM ≥ GM
(3) GM ≥ HM ≥ AM
(4) GM ≥ AM ≥ HM

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=561]
2[Option ID=562]
3[Option ID=563]
4[Option ID=564]

Sl. No.42
QBID:8652042

What is the alternative chart to pie chart?

(1) Step bar diagram
(2) Rectangular chart
(3) Sphere
(4) Lorenz curve

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=565]
2[Option ID=566]
3[Option ID=567]
4[Option ID=568]

Sl. No.43
QBID:8652043

Which one cannot be determined with the help of Ogive curve?

(1) median
(2) deciles
(3) percentiles
(4) variance

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=569]
2[Option ID=570]

3[Option ID=571]
4[Option ID=572]

Sl. No.44
QBID:8652044

Identify the type of frequency distribution of the following data :

x :	12	18	24	36	44	47	51
f :	2	5	3	8	9	7	2

(1) continuous distribution
(2) commulative frequency distribution
(3) discrete distribution
(4) open distribution

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=573]
2[Option ID=574]
3[Option ID=575]
4[Option ID=576]

Sl. No.45
QBID:8652045

Which one is method of data collection that is for complete enumeration

(1) NSSO data
(2) Census data
(3) NHFS data
(4) LASI data

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=577]
2[Option ID=578]
3[Option ID=579]
4[Option ID=580]

Sl. No.46
QBID:8652046

Find the correlation coefficient by the method of least square for the X and Y variable, where regression line X on Y and it value are $b_{XY} = 1$, $\hat{X} = Y + 6$, $S_X^2 = 1.2$, $\sigma_x^2 = 9.2$

(1) $r = 0.93$
(2) $r = 0.70$
(3) $r = 0.50$
(4) $r = 0.67$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=581]
2[Option ID=582]
3[Option ID=583]
4[Option ID=584]

Sl. No.47
QBID:8652047

For testing the Null hypothesis $H_0 : \mu_1 = \mu_2$, the value of the test statistic $|\bar{x} - \bar{y}| \Big/ \left(6 \cdot \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}\right)$ lies between 1.96 and 2.58 then H_0 is

(1) rejected at 5% level of significance

(2) fail to reject at 5% level of significance

(3) rejected at 1% level of significance

(4) fail to reject at 1% level of significance

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=585]
2[Option ID=586]
3[Option ID=587]
4[Option ID=588]

Sl. No.48
QBID:8652048

While testing the significant association between two categorical i.e. contingency table of order 2×2 in chi-square statistic then what would be the degree of freedom in the same

(1) 1 (2) 2

(3) 3 (4) 4

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=589]
2[Option ID=590]
3[Option ID=591]
4[Option ID=592]

Sl. No.49
QBID:8652049

Testing $H_0 : \mu = 1000$ vs. $H_1 : \mu \neq 1000$ is

(1) one sided upper tailed test (2) one sided lower tailed test

(3) two sided test (4) it can be one sided and two sided

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=593]
2[Option ID=594]
3[Option ID=595]
4[Option ID=596]

Sl. No.50
QBID:8652050

When $ax + by + c = 0$, the coefficient of correlation between x and y will be

(1) zero
(2) -1
(3) $+1$
(4) Either $+1$ or -1

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=597]
2[Option ID=598]
3[Option ID=599]
4[Option ID=600]

Sl. No.51
QBID:8652051

The probability density function (p.d.f.) of a normal distribution is $p(x)$, what will be the value of $\int_{-\infty}^{\infty} p(x)d(x)$?

(1) -1
(2) $+1$
(3) ∞
(4) $\frac{1}{2}$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=601]
2[Option ID=602]
3[Option ID=603]
4[Option ID=604]

Sl. No.52
QBID:8652052

What is the range of σ_x^2 for sample x in normal probability distribution?

(1) $\sigma_X^2 = 1$
(2) $\sigma_X^2 < 1$
(3) $\sigma_X^2 > 0$
(4) $\sigma_X^2 < 0$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=605]
2[Option ID=606]
3[Option ID=607]
4[Option ID=608]

Sl. No.53
QBID:8652053

Choose the correct option for sex-ratio in India for year 2001 and 2011 respectively

(1) 933, 943
(2) 943, 933
(3) 833, 943
(4) 943, 833

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=609]
2[Option ID=610]
3[Option ID=611]
4[Option ID=612]

Sl. No.54
QBID:8652054

Arrange the various states in ascending order of their literacy rate (in percent) (census 2011) according to the given codes of the states

	State	Code
(A)	Bihar	A
(B)	Kerala	B
(C)	Uttar Pradesh	C
(D)	Punjab	D
(E)	TamilNadu	E

Choose the correct option from below

(1) A, C, D, E, B

(2) B, C, D, E, A

(3) B, A, C, D, E

(4) C, D, E, B, A

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=613]
2[Option ID=614]
3[Option ID=615]
4[Option ID=616]

Sl. No.55
QBID:8652055

Arrange the various states in ascending order of their per capita net state domestic product at current prices (2011-12 series) (in rupees) for year 2019-20 according to given codes of the state.

	State	Code
(A)	Bihar	A
(B)	Haryana	B
(C)	Punjab	C
(D)	Uttar Pradesh	D
(E)	Maharastra	E

Choose the correct option from below

(1) (A), (D), (C), (E), (B)

(2) (B), (E), (C), (D), (A)

(3) (E), (B), (C), (D), (A)

(4) (B), (A), (D), (C), (E)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=617]
2[Option ID=618]
3[Option ID=619]
4[Option ID=620]

Sl. No.56
QBID:8652056

Annual growth rates of net national income at current prices of India for year 2019 (revised estimates), 2020 – 21 (provisional estimates) and 2021-22 (advance estimates) are given respectively. Choose the correct option from below

(1) (–) 3.0, 7.7, 17.8

(2) 7.7, (–)3.0, 17.8

(3) 7.4, (–) 7.7, 17.8

(4) (–)7.7, 7.4, 17.8

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=621]
2[Option ID=622]
3[Option ID=623]
4[Option ID=624]

Sl. No.57
QBID:8652057

Annual growth rates of per capita net national income at current prices of India for year 2019-20 (revised estimate) 2020-21 (provisional estimates) and 2021-22 (advance estimates) are given respectively, choose the correct option from below

(1) (–) 4.0, 6.6, 16.7

(2) 6.6, 16.7, (–) 4.0

(3) (–) 4.0, 16.7, 6.6

(4) 6.6, (–) 4.0, 16.7

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=625]
2[Option ID=626]
3[Option ID=627]
4[Option ID=628]

Sl. No.58
QBID:8652058

What is correct for per capita national income for year 2019-20 (Revised Estimates) at current prices for India (in Rupees)

(1) 134186 (2) 94566

(3) 92241 (4) 254500

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=629]
2[Option ID=630]
3[Option ID=631]
4[Option ID=632]

Sl. No.59
QBID:8652059

Which one is the correct for normal distribution that is not skewed?

(1) $\overline{X} > Z > M$ (2) $\overline{X} < Z < M$

(3) $\overline{X} = Z \neq M$ (4) $\overline{X} = Z = M$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=633]
2[Option ID=634]
3[Option ID=635]
4[Option ID=636]

Sl. No.60
QBID:8652060

While doing the statistical analysis, the statistical error is

(1) Original value – Approximate value

(2) Actual value – Estimated value

(3) $\frac{\text{Actual value - Estimated value}}{\text{Estimated value}}$

(4) $\frac{\text{Actual value - Estimated value}}{\text{Actual value}}$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=637]
2[Option ID=638]
3[Option ID=639]
4[Option ID=640]

Sl. No.61
QBID:8652061

When $y = 6 + 4x$ and $X = 8 + kY$, the K ranges

(1) $0 < K < 1$
(2) $-1 < K < 1$
(3) $0 < K \leq 0.25$
(4) $-0.25 < K \leq 0.25$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=641]
2[Option ID=642]
3[Option ID=643]
4[Option ID=644]

Sl. No.62
QBID:8652062

For one way classified data, the degree of freedom for SSB (Sum of Square between group) is 12 for 100 observations, find the degree of freedom for SSW (Sum of Square within Group) for error.

(1) 112
(2) 88
(3) 1200
(4) 87

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=645]
2[Option ID=646]
3[Option ID=647]
4[Option ID=648]

Sl. No.63
QBID:8652063

When $\sigma_x = 6, n = 9, \bar{x} = 36$, find the standard error of sample mean?

(1) 2
(2) 6
(3) 72
(4) 4

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=649]
2[Option ID=650]
3[Option ID=651]
4[Option ID=652]

Sl. No.64
QBID:8652064

What will be degree of freedom for a contingency table of order of 6×4?

(1) 24 (2) 15

(3) 36×16 (4) $24 - 1$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=653]
2[Option ID=654]
3[Option ID=655]
4[Option ID=656]

Sl. No.65
QBID:8652065

When Binomially distributed sample X with parameter n and P is given, what will be the distribution of $y = n - x$?

(1) $Y \sim B(n, q)$ (2) $Y \sim B(n, p)$

(3) $Y - n - q$ (4) $y + x - n - q$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=657]
2[Option ID=658]
3[Option ID=659]
4[Option ID=660]

Sl. No.66
QBID:8652066

What will be p-value for being a bionomial distribution to be symmetric?

(1) 1/3 (2) 1/4

(3) 1/2 (4) 1/6

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=661]
2[Option ID=662]
3[Option ID=663]
4[Option ID=664]

Sl. No.67
QBID:8652067

In a two way analysis of variance, there are s columns and r rows, then number of degree of freedom for errors will be

(1) $(r - s)(r + s)$ (2) $(1 - r)(1 - s)$

(3) $(r - 1)(s - 1)$ (4) $r(s - 1)$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=665]
2[Option ID=666]
3[Option ID=667]
4[Option ID=668]

Sl. No.68
QBID:8652068

When $y = 3x + 4$, arithmetic mean of $x = -1$, find the arithmetic mean of y.

(1) 1 (2) 2

(3) 3 (4) 4

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=669]
2[Option ID=670]
3[Option ID=671]
4[Option ID=672]

Sl. No.69
QBID:8652069

In the case of two events of A and B, $P(A \cup B) = \frac{5}{6}, P(\overline{B}) = \frac{1}{2}$ and $P(A \cap B) = \frac{1}{3}$ then two events are

(1) Independent (2) Dependent

(3) Mutually exclusive (4) Zero

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=673]
2[Option ID=674]
3[Option ID=675]
4[Option ID=676]

Sl. No.70
QBID:8652070

When A and B are two arbitrary events, then

(1) $P(A \cap B) = P(A) + P(B) - 1$ (2) $P(A \cap B) \geq P(A) + P(B) - 1$

(3) $P(AB) \leq P(A) + P(B) - 1$ (4) $P(A) \geq P(A \cap B) + P(B) + 1$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=677]
2[Option ID=678]
3[Option ID=679]
4[Option ID=680]

Sl. No.71
QBID:8652071

What type of biass occurs in Laspeyre's index?

(1) zero bias
(2) downward bias
(3) upward bias
(4) negative bias

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=681]
2[Option ID=682]
3[Option ID=683]
4[Option ID=684]

Sl. No.72
QBID:8652072

The probability that a leap year selected at random contains 53 Sundays is

(1) $\frac{1}{6}$
(2) $\frac{1}{7}$
(3) $\frac{2}{7}$
(4) $\frac{1}{53}$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=685]
2[Option ID=686]
3[Option ID=687]
4[Option ID=688]

Sl. No.73
QBID:8652073

When one conducts ANOVA analysis then F_{Data} will fall within the range of

(1) zero to one
(2) zero to infinity
(3) negative two to positive three
(4) 1 to 5

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=689]
2[Option ID=690]
3[Option ID=691]
4[Option ID=692]

Sl. No.74
QBID:8652074

Find the variance of $(5-2y)$ when $\sigma_y = 3$

(1) 64
(2) -1
(3) 19
(4) 36

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=693]
2[Option ID=694]
3[Option ID=695]
4[Option ID=696]

Sl. No.75
QBID:8652075

If researcher wants to conduct a survey on election in Uttarkhand. What would be the sampling frame?

(1) a list of random number
(2) a list of sampling units of a population
(3) a list of member
(4) frames in each districts

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=697]
2[Option ID=698]
3[Option ID=699]
4[Option ID=700]

Sl. No.76
QBID:8652076

The current daily status unemployment rate is associated with

(1) population rate
(2) wage rate
(3) time rate
(4) interest rate

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=701]
2[Option ID=702]
3[Option ID=703]
4[Option ID=704]

Sl. No.77
QBID:8652077

An economists who talked about the technical change that is neutral when constant rate of profit and capital output ratio are remain constant, is

(1) Marshall
(2) Phillips
(3) Simon Kuznets
(4) Harrod

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=705]
2[Option ID=706]
3[Option ID=707]
4[Option ID=708]

Sl. No.78
QBID:8652078

Who decides price and output in Oligopoly under collusion?

(1) Govt. and firms jointly
(2) Government
(3) All firms in industry
(4) Dominating firm

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=709]
2[Option ID=710]
3[Option ID=711]
4[Option ID=712]

Sl. No.79
QBID:8652079

Which cost function belongs to natural monopoly?

(1) $TC = 7Q$
(2) $TC = 7Q + 8Q^2$
(3) $TC = 7Q^{0.5}$
(4) $TC = 7Q + 8Q^3$

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=713]
2[Option ID=714]
3[Option ID=715]
4[Option ID=716]

Sl. No.80
QBID:8652080

What is the value of ratio of four firm concentration to eight firm concentration in the perfect competition?

(1) zero
(2) infinity
(3) 100%
(4) indeterminate

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=717]
2[Option ID=718]
3[Option ID=719]
4[Option ID=720]

Sl. No.81
QBID:8652081

What is the equilibrium level of income (y_e), given $Y = C + I + G$

$C = 31 + 0.8Y$, $I = 9$, $G = 10$

(1) 25 (2) 125

(3) 500 (4) 250

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=721]
2[Option ID=722]
3[Option ID=723]
4[Option ID=724]

Sl. No.82
QBID:8652082

Match List I and List II :

Statistical Assumption in linear model.

	List I		List II
(A)	Normality	(I)	$E(u_i \cdot u_j) = 0$
(B)	Zero mean	(II)	$E(u_1^2) = \sigma^2$
(C)	Homoscedasticity	(III)	$E(u_i) = 0$
(D)	Non-autoregression	(IV)	$ui \sim N(0, \sigma^2)$

Choose the correct answer from the options given below :

(1) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

(2) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)

(3) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)

(4) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=725]
2[Option ID=726]
3[Option ID=727]
4[Option ID=728]

Sl. No.83
QBID:8652083

Select the appropriate non-parametric test

A. Chi-square test

B. *t*-test

C. Krushkal wallis test

D. Kendall correlation coefficient

E. Friedmann test

Choose the correct answer from the options given below :

(1) ABC only

(2) CDE only

(3) ACDE only

(4) ABCD only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=729]
2[Option ID=730]
3[Option ID=731]
4[Option ID=732]

Sl. No.84
QBID:8652084

Match List I with List II :

	List I		List II
(A)	Multiple regression	(I)	Two ordinal variable
(B)	Large no. theory	(II)	Multiple depend variable
(C)	Multivariate regression	(III)	Large sample size
(D)	Chi-square test	(IV)	One dependent variable

Choose the correct answer from the options given below :

(1) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)

(2) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

(3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)

(4) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=733]
2[Option ID=734]
3[Option ID=735]
4[Option ID=736]

Sl. No.85
QBID:8652085

The joint pdf of (X, Y) is given as

$$f(x, y) = \begin{cases} e^{-(x+y)}, & 0 < (x, y) < \infty \\ 0 & , otherwise \end{cases}$$

marginal distribution of Y

(1) $2e^{-2x}$ (2) e^{-y}

(3) e^{-x} (4) e^{-x-y}

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=737]
2[Option ID=738]
3[Option ID=739]
4[Option ID=740]

Sl. No.86
QBID:8652086

The joint pdf of (X, Y) is given as $f(x, y) = \begin{cases} e^{-(x+y)}, & 0 < (x, y) < \infty \\ 0 & , otherwise \end{cases}$ marginal distribution of X

(1) $2e^{-2x}, 0 < x < \infty$ (2) $e^{-y}, 0 < y < \infty$

(3) $e^{-x}, 0 < x < \infty$ (4) $e^{-x-y}, 0 < x < \infty$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=741]
2[Option ID=742]
3[Option ID=743]
4[Option ID=744]

Sl. No.87
QBID:8652087

A linear trend shows the organisation movements of a time series towards

(1) Growth (2) Decline

(3) Stagnation (4) All the above

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=745]
2[Option ID=746]
3[Option ID=747]
4[Option ID=748]

Sl. No.88
QBID:8652088

A trend is linear and positive or negative if

(1) rate of growth is positive
(2) the growth rate is constant
(3) the growth rate is not constant
(4) rate of growth is negative

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=749]
2[Option ID=750]
3[Option ID=751]
4[Option ID=752]

Sl. No.89
QBID:8652089

When demand function of a city 'A' for quantity (Q) and price (P) is $Q = 36 - 3P$, find the maximum quantity of Q that can be demanded

(1) 35
(2) 36
(3) 39
(4) 12

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=753]
2[Option ID=754]
3[Option ID=755]
4[Option ID=756]

Sl. No.90
QBID:8652090

Read the following statement and select the correct option :

A. GNP = GNE
B. NDP at market price = NNP at market price – Net income from abroad
C. NNP at market price = GNP at market price – Depreciation
D. GNP = Private consumption expenditure + Gross Domestic Private investment + Net Foreign investment + Government expenditure on goods and services.
E. GNP = Wages and subsidies + Rents + Interest + Dividends + Undistributed Corporate profit + mixed income + direct tax + depreciation + Net income from abroad

Choose the correct answer from the options given below :

(1) Only A, B, C and D are correct
(2) Only B, C, D and E are correct
(3) Only C, D, E and A are correct
(4) All A, B, C, D and E are correct

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=757]
2[Option ID=758]
3[Option ID=759]
4[Option ID=760]

Sl. No.91
QBID:8652091

Read the following statements related to price elasticity of demand

A. When $e < 1$, total outlay moves in the same direction as price

B. When $e > 1$, total outlay moves in the opposite direction from price

C. When $e = 1$, total outlay is uneffected by price change

Choose the correct answer from the options given below :

(1) Only A and B are correct

(2) Only B and C are correct

(3) Only A and C are correct

(4) All A, B and C are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=761]
2[Option ID=762]
3[Option ID=763]
4[Option ID=764]

Sl. No.92
QBID:8652092

Consider the following :

A. Gosen's first law : law of diminishing marginal utility

B. Gosen's second law : law of equi-marginal utility

C. Gosen's first law : law of diminishing marginal productivity

D. Gosen's second law : law of equi-marginal productivity

Choose the correct answer from the options given below :

(1) Only A and B are correct

(2) Only C and D are correct

(3) Only A and D are correct

(4) Only B and C are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=765]
2[Option ID=766]
3[Option ID=767]
4[Option ID=768]

Sl. No.93
QBID:8652093

Consider the following :

A. Gosen's first law : law of diminishing marginal utility

B. Gosen's second law : law of equi-marginal productivity

C. Gosen's first law : law of diminishing marginal productivity

D. Gosen's second law : law of equi-marginal utility

Choose the correct answer from the options given below :

(1) Only A and B are correct

(2) Only C and D are correct

(3) Only B and C are correct

(4) Only A and D are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=769]
2[Option ID=770]
3[Option ID=771]
4[Option ID=772]

Sl. No.94
QBID:8652094

A firm has a fixed cost of Rs. 700 for plant and equipments, and variable cost of Rs. 60 for each unit produced. What is the total cost of producing 10 units of output?

(1) 710 (2) 1300

(3) 760 (4) 1200

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=773]
2[Option ID=774]
3[Option ID=775]
4[Option ID=776]

Sl. No.95
QBID:8652095

Read the following statements :

A. Sometimes government faces a trade-off between improving efficiency of economy and promoting equity

B. Redistribution of land to poor may increase both efficiency and equity

C. Government always faces a trade-off between improving efficiency of economy and promoting equity

D. Government never faces a trad-off between improving efficiency and equity.

Choose the correct option from below :

(1) Only A is correct

(2) Only D is correct

(3) Only A and B are correct

(4) Only C is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=777]
2[Option ID=778]
3[Option ID=779]
4[Option ID=780]

Sl. No.96
QBID:8652096

For a progressive income tax system which is / are correct :

A. a high marginal tax rate increase the incentive to work hard

B. this system is always better for higher income individuals

C. this system may involve trade-off between equity and efficiency

D. this system never involves trade-off between equity and efficiency

Choose the correct option from below :

(1) Only A is correct

(2) Only B is correct

(3) Only A, B and C are correct

(4) Only C is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=781]
2[Option ID=782]
3[Option ID=783]
4[Option ID=784]

Sl. No.97
QBID:8652097

Read the following statements :

A. Negative externalities always cause under supply

B. Positive externalities always cause over supply

C. the marginal cost born by all individuals in the economy is called social marginal cost

Select the correct option from below :

(1) Only A is correct

(2) Only B is correct

(3) Only A and B are correct

(4) Only C is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=785]
2[Option ID=786]
3[Option ID=787]
4[Option ID=788]

Sl. No.98
QBID:8652098

What is/are the problem(s) which can affect the ability of GDP to provide an accurate picture of the economy :

A. Nonmarket goods and services

B. Measuring output of the service sector

C. Measuring quality changes

Select the correct option from below :

(1) All A, B and C are correct

(2) Only A is correct

(3) Only A and C are correct

(4) Only A and B are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=789]
2[Option ID=790]
3[Option ID=791]
4[Option ID=792]

Sl. No.99
QBID:8652099

Who are the sufferer(s) of the high inflation rate?

A. Those who hold currency

B. Those who borrow

C. Those who pay tax

D. Those who lend money

Choose the correct option from below :

(1) Only B is correct

(2) Only A, C and D are correct

(3) Only A and D are correct

(4) Only A, B and C are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=793]
2[Option ID=794]
3[Option ID=795]
4[Option ID=796]

Sl. No.100
QBID:8652100

What are the second order partial derivatives Q_{xx} and Q_{yy} for the function $Q = 3x^{0.4}y^{0.5}$

(1) $Q_{xx} = -0.72x^{-1.6}y^{0.5}$, $Q_{yy} = -0.75x^{0.4}y^{-1.5}$

(2) $Q_{xx} = 0.72x^{-16}y^{0.5}$, $Q_{yy} = -0.75x^{0.4}y^{-1.5}$

(3) $Q_{xx} = -0.72x^{-1.6}y^{0.5}$, $Q_{yy} = 0.75x^{0.4}y^{-1.5}$

(4) $Q_{xx} = -0.72x^{-1.6}y^{0.5}$, $Q_{yy} = -0.75x^{0.4}y^{1.5}$

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=797]
2[Option ID=798]
3[Option ID=799]
4[Option ID=800]