

NCO Class XI: Question Paper

Section: Verbal Ability

Q1. Arrange the following sentences in a logical order to form a paragraph:

- A. There was an old farmhouse, and around it barns and outhouses.
- B. The Cottage was the remains of an old orphanage which was decommissioned years ago.
- C. For which he felt responsible in some vague way.
- D. There were other buildings that were virtually falling down.

- a) BCAD
- b) **BADC**
- c) BDAC
- d) ABCD

Answer: b)

Q2. Arrange the following sentences in a logical order to form a paragraph:

- A. For a start you could be clearly seen from the house.
- B. With ducks and bulrushes and pond-weed.
- C. Once you came out to the pond, you'd find a tranquil atmosphere waiting.
- D. It wasn't, though, a good place for discreet conversation.

- a) DBAC
- b) CDAB
- c) CDBA
- d) **CBDA**

Answer: d)

Q3. Find the sentence with appropriate usage of the given term-
GATHER

- a) The whole group gathered together for the party.
- b) With the shop closed due to lockdown, the goods are gathering dust.

- c) **The students gathered around the topic of climate change.**
d) The resistance has gathered momentum in recent weeks.

Answer: c)

Q4. Find the sentence with appropriate usage of the given term-
KEEP

- a) I try to keep learning new things every day.
b) **He keeps the idea that working long is the only way to succeed.**
c) The police decided not to keep tabs on him anymore.
d) His mentor advised him to always keep up with the rules.

Answer: b)

Q5. Match the following words with their respective meanings-

1.	Prima Donna	A.	Epicure
2.	Haiku	B.	Bungalow
3.	Gourmand	C.	Common People
4.	Hacienda	D.	Leading Lady
5.	Hoi Polloi	E.	Poem

- a) **1-D; 2-E; 3-A; 4-B; 5-C**
b) 1-D; 2-B; 3-E; 4-A; 5-C
c) 1-D; 2-E; 3-C; 4-A; 5-B
d) 1-D; 2-A; 3-C; 4-E; 5-B

Answer: a)

Q6. Replace the highlighted part with the appropriate option to fix the sentence-

There are more than hundred books published in the city of Thiruvananthapuram every day, which reflect the fact that Keralites are by far India's most literate citizens.

- a) Which reflects
- b) And that number reflects
- c) Which reflect
- d) That number reflect

Answer: a)

Q7. Match the following words with their respective meanings-

1.	Tangent	A.	Shrink away from
2.	Nullify	B.	To counter
3.	Cower	C.	Well-Wisher
4.	Altruist	D.	Fluttering
5.	Billowing	E.	Going off the main subject

- a) 1-C ; 2-E ; 3-D ; 4-A ; 5-B
- b) 1-E ; 2-B ; 3-D ; 4-C ; 5-A
- c) 1-C ; 2-B ; 3-E ; 4-D ; 5-A
- d) 1-E ; 2-B ; 3-A ; 4-C ; 5-D

Answer: d)

Q8. Match the following idioms with their respective meanings-

1.	Bite the bullet	A.	To issue a challenge to someone.
2.	Burn the candle at both	B.	To overwork oneself by doing too

	ends		much.
3.	Clutch at straws	C.	To endure a painful situation with courage.
4.	Cast pearls before swine	D.	To offer something valuable to someone who doesn't appreciate its worth.
5.	Throw down the gauntlet	E.	To make a desperate attempt at something unlikely to succeed.

- a) 1-C ; 2-B ; 3-E ; 4-D ; 5-A
- b) 1-C ; 2-B ; 3-A ; 4-D ; 5-E
- c) 1-E ; 2-A ; 3-C ; 4-D ; 5-B
- d) 1-A ; 2-B ; 3-E ; 4-C ; 5-D

Answer: a)

Q9. Choose the figure of speech used in the following sentence:-
 "O Romeo, Romeo, wherefore art thou Romeo?"

- a) Antithesis
- b) Anaphora
- c) Alliteration
- d) **Apostrophe**

Answer: d)

Q10. Choose the figure of speech used in the following sentence:-
 "The famous chef said people should live to eat, not eat to live."

- a) Euphemism
- b) **Chiasmus**
- c) Hyperbole
- d) Paradox

Answer: b)

Section: Quantitative Aptitude/Data Interpretation/Logical Reasoning

Q11. Rakesh drives a car which has four gears. The speed of the car in the fourth gear is five times its speed in the first gear. The car takes twice the time to travel a certain distance in the second gear as compared to the third gear. In a 100 km journey, if Rakesh travels equal distances in each of the gears, he takes 585 minutes to complete the journey. Instead, if the distances covered in the first, second, third and fourth gears are 4 km, 4 km, 32 km and 60 km, respectively, then the total time taken, in minutes, to complete the journey, will be

- a) 302
- b) 312**
- c) 322
- d) 332

Answer: b)

Q12. Six pumps operate for $\frac{1}{3}$ of a day and can empty a tank in 4 days. How many hours a day must 4 pumps work to empty the tank in $\frac{1}{2}$ the number of days?

- a) 24 hours**
- b) 12 hours
- c) 18 hours
- d) 15 hours

Answer: a)

Q13. A goldsmith bought a large solid golden ball at INR 1,000,000 and melted it to make a certain number of solid spherical beads such that the radius of each bead was one-fifth of the radius of the original ball. Assume that the cost of making golden beads is negligible. If the goldsmith sold all the beads at a 20% discount on

the listed price and made a total profit of 20%, then the listed price for each golden bead, in INR, was:

- a) 48000
- b) 9600
- c) 24000
- d) 12000**

Answer: d)

Q14. What is the unit digit of $N = 120! + 70! + 35! + 25! + 10! + 4! + 3!$?

- (a) 2
- (b) 4
- (c) 6
- (d) 0**

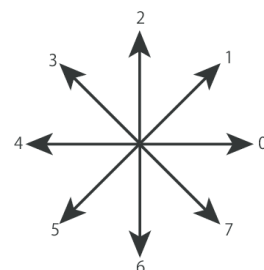
Answer: d)

Q15. Avinash was reading a book containing 243 pages. He wanted to note down the number of 2s he sees in page numbers as he reads the book. However, at around 11 PM, he fell asleep. When he woke up in the morning, he saw that his book was open at Page 112. How many 2s he had seen before he fell asleep?

- a) 20
- b) 21
- c) 19
- d) 22**

Answer: d)

Q16. Adam is on the 0th side of Jake and Jake is on the 2nd side of John. Mike is on the 6th side of John. Which direction of Adam is John. Use the image to answer the question..



- a) South-East
- b) South-West**
- c) South
- d) North-East

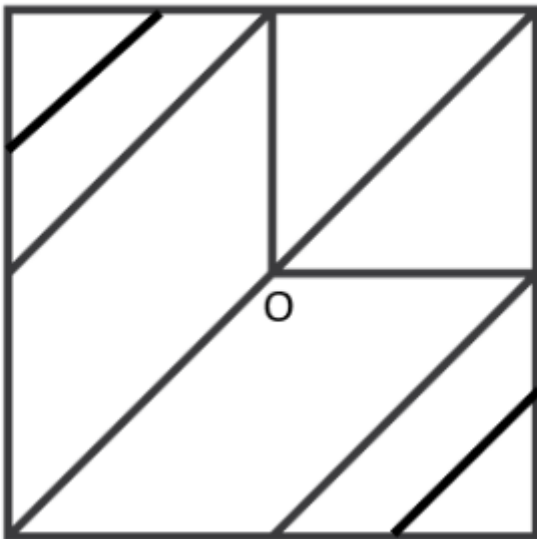
Answer: b)

Q17. Ravi says to Priya, "Your mother's husband's sister's son is my son's father."
How is Ravi related to Priya?

- a) Uncle
- b) Brother
- c) Father**
- d) Father-in-law

Answer: c)

Q18. How many quadrilaterals are in this image



- a)8
- b)12
- c)6
- d)10**

Answer: d)

Q19. Arjun starts at point P, facing 0° (East). He walks 10 metres straight, then turns 90° left and walks 20 metres. After that, he turns 90° left again and walks 10 metres. He then turns 90° left and walks 20 metres. Finally, he turns 90° left and walks 10 metres. After that, he turns 45° right and walks 10 metres. Which direction did Arjun never face during his walk?

- a) South
- b) West
- c) North East
- d) North West**

Answer: d) North West

Q20. Identify the pattern and complete the given sequence
1, 2, 6, 42, __, 3263442

- a) 252
- b) 504
- c) 1064
- d) 1806**

Answer: d) 1806

Q21. If (A) 'pit dar na' means 'you are good';

(B) 'dar tok pa' means 'good and bad';

(C) 'tim na tok' means 'they are bad';

Then, In that language, which word stands for 'they'?

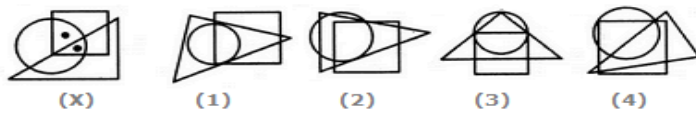
- a) na
- b) tok
- c) tim**

d) pit

Answer: c) tim

Q22.

1. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4

Answer: Option **D**

Answer: d) 4

Q23.

Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.



Ⓐ 145

Ⓑ 245

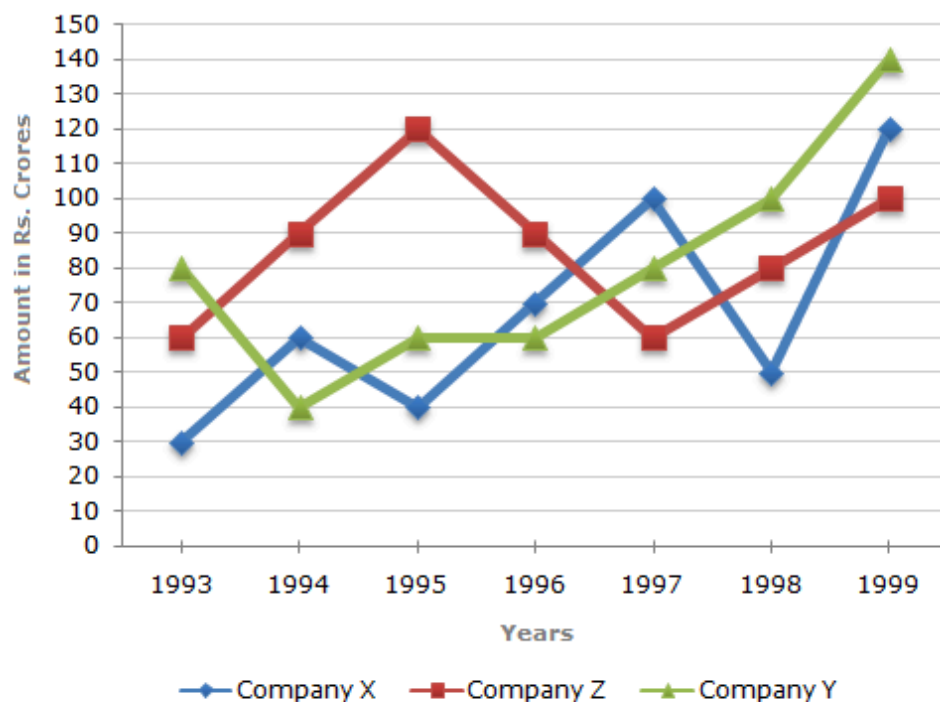
Ⓒ 123

Ⓓ 234

Answer: b)

Q24. Study the following line graph and answer the question.

Exports from Three Companies Over the Years (in Rs. crore)



Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z?

- Ⓐ 87.12%
- Ⓑ 89.64%
- Ⓒ 91.21%
- Ⓓ 93.33%

Answer: Option Ⓓ

Answer: d) 93.33%

Q25. **Posthumous Publication** occurs when a book is published after the author's death. Which situation below is the best example of Posthumous Publication ?

- a) Richard's illness took his life before he was able to enjoy the amazing early reviews of his novel.
- b) Melissa's publisher cancels her book contract after she fails to deliver the manuscript on time.
- c) Clarence never thought he'd live to see the third book in his trilogy published.
- d) Elizabeth is honored with a prestigious literary award for her writing career and her daughter accepts the award on behalf of her deceased mother.

Answer: a)

Section: Economics/Mathematics

Q26. The median from following set of data using interpolation formula is:

Size 'X'	0-10	10-20	20-30	30-40	40-50
Frequency(f)	3	4	2	7	10

- a) 35.41
- b) 45.51
- c) 25.71
- d) **35.71**

Answer: d) 35.71

Q27).

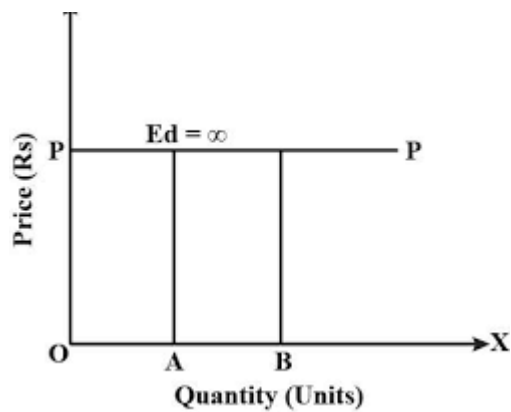
The percentage of marks secured by students in economics and statistics. Calculate rank Correlation.

Statistics	15	10	20	28	12	10	16	18
Economics	16	14	10	12	11	15	18	12

- a) 0.56
- b) -0.76
- c) **-0.36**
- d) 0.26

Answer: c)

Q28.

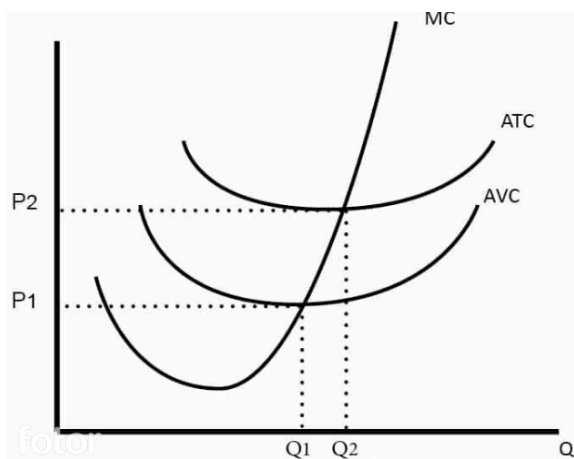


The above given curve is

- a) **Perfectly elastic**
- b) Perfectly inelastic
- c) Downward sloping
- d) Upward sloping

Answer: a) Perfectly elastic

Q29.



The point for maximum profit is

- a) Where MC intersects ATC
- b) Where MC intersects AVC
- c) Where MC intersects MR**
- d) Where MR intersects ATC

Answer: c)

Q30.

A random variable X has the following probability distribution:

X	0	1	2	3
P(X)	1/8	3/8	3/8	1/8

The standard deviation will be

- a) 0.766
- b) 0.866**
- c) 0.876
- d) 0.786

Answer: b)

Q31.

Consider the following frequency distribution:

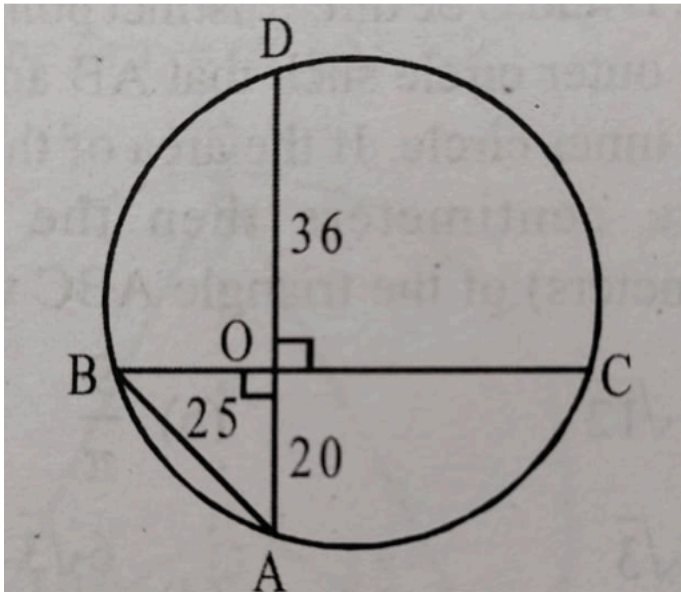
Class Interval	Frequency
0-10	5
10-20	12
20-30	18
30-40	10
40-50	5

The median will be

- a) **24.44**
- b) 26.64
- c) 25.84
- d) 22.84

Answer: a)

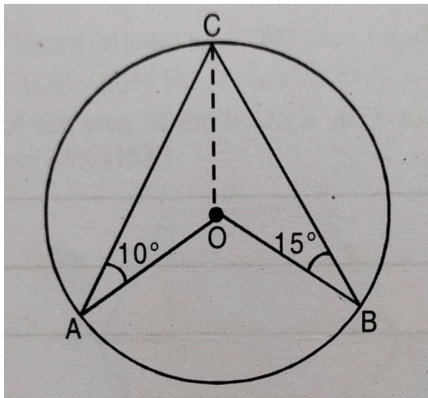
Q32. As shown in the figure, $OD = 36$ cm, $OA = 20$ cm and $AB = 25$ cm. Find the length of chord BC .



- a) 48 cm
- b) 68 cm
- c) 56 cm
- d) **63 cm**

Answer: d)

Q33. Calculate the measure of angle AOB in the figure given below. (O is the centre of the circle).

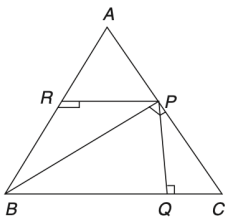


- a) 80°
- b) 70°
- c) 50°
- d) 60°

Answer: c)

Q34. In the given figure $\triangle ABC$ is an equilateral triangle.

$BP \perp AC$ and $PR \perp AB$, $PQ \perp BC$. The ratio of area of $\triangle PRB$ and $\triangle PQC$ is



- a) 4:1
- b) 3:1
- c) 2:1
- d) None of these

Answer: b)

Q35. ABCD is a square. P is the midpoint of AB.

The line passing through A and Perpendicular to

DP intersects the diagonal at Q and BC at R.

If $AB = 2$ then $PR = \underline{\hspace{1cm}}$?

- a) $1/2$
- b) $\text{square root } 2$**
- c) 1
- d) $3/2$

Answer: b)

Q36. Ronit has a bag that contains 2 red balls, 3 blue balls and 4 green balls. If 3 balls are drawn at random from the bag, then what is the probability that all the three drawn balls are green?

- a) $3/21$
- b) $2/21$
- c) $1/21$**
- d) $4/21$

Answer: c)

Section: Business Studies/Accountancy

Q37. Which principle is followed in the 'single entry system'?

- a) Incomplete Record System
- b) Money measurement**
- c) Consistency

d) Prudence

Answer: b)

Q38. Debtors + Bills Receivable + short term investments + marketable securities are examples of _____Assets (select the most appropriate option)

- a) **liquid asset**
- b) current asset
- c) fixed assets
- d) intangible assets

Answer: a)

Q39. Which of the following transactions will result in higher balance in the bank column of cash-book in comparison to pass-book?

- a) Cheques issued but not presented for payment.
- b) Interest allowed by the bank.
- c) Bank charges entered twice in each book.
- d) **Cheques paid into the bank for collection but not yet credited.**

Answer: d)

Q40. A company incorrectly recorded the purchase of an asset costing ₹1,20,000 as an expense. Assuming a depreciation rate of 10% per annum on the straight-line method, what will be the cumulative effect on net income after 5 years?

- a) **Understated by ₹60,000**
- b) Overstated by ₹60,000
- c) Understated by ₹60,000 and overstated by ₹6,000
- d) Understated by ₹60,000 and understated by ₹6,000

Answer: a)

Q41. Which of the following would be classified under 'indirect expenses' in the income statement?

- a) Direct labor costs
- b) Factory rent
- c) **Sales commission**
- d) Raw material costs

Answer: c)

Q42. A company's bank statement shows a balance of ₹100,000 on March 31, 2023. The company's cash book shows a balance of ₹90,000 on the same date. Further analysis reveals the following:

- A check issued for ₹5,000 has not yet been presented for payment.
- Bank charges of ₹500 have not been recorded in the cash book.

What is the adjusted cash book balance after reconciliation?

- a) ₹89,500
- b) ₹90,000
- c) **₹94,500**
- d) ₹100,000

Answer: c)

Q43. The concept that states that the reasonable material facts that disclose through the financial statement and the informing notes is:

- a) **Materiality**
- b) Full Disclosure
- c) Consistency
- d) Prudence

Answer: a)

Q44. A company is preparing its trial balance.

The following errors are discovered:

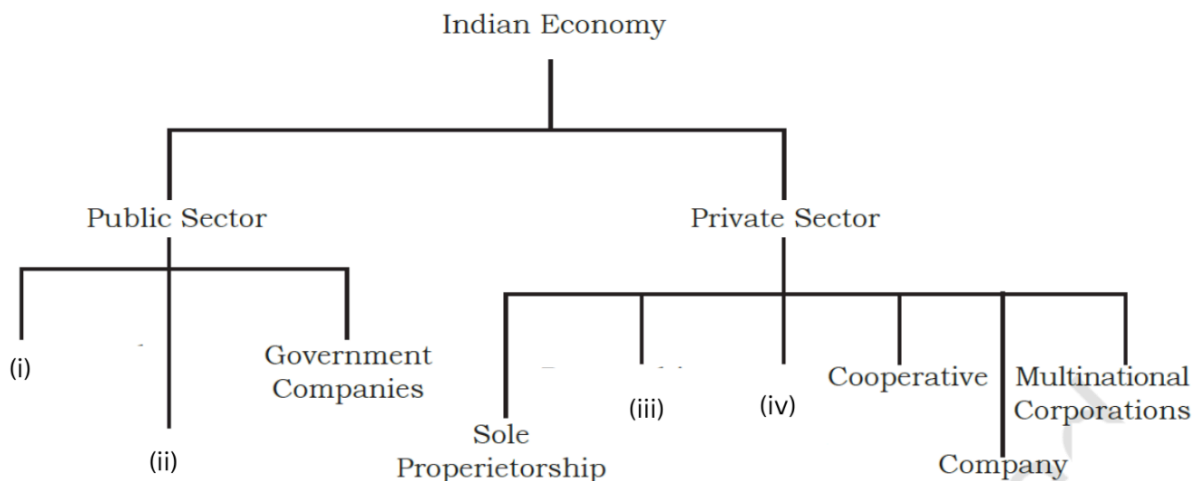
- A purchase of equipment for ₹25,000 was recorded in the purchases journal.
- A credit sale of goods for ₹10,000 was incorrectly recorded as a debit to sales and a credit to the customer's account.

What will be the impact of these errors on the trial balance?

- a) The trial balance will agree.
- b) The trial balance will show a difference of ₹15,000.
- c) The trial balance will show a difference of ₹35,000.**
- d) The impact on the trial balance cannot be determined.

Answer: c)

Q45)



- (i) Public Private Partnerships
- (ii) Statutory corporation
- (iii) Joint Hindu Family
- (iv) Private Limited Company

Which of these pairs is correctly matched:-

- a) All of the above
- b) Only Two**

- c) Only Three
- d) Only One

Answer: b)

Q46. Assertion: (A) An entrepreneur takes risks.
Reason: (R) An entrepreneur is self confident.

- a) **Both A and R are correct and R is the correct explanation of A.**
- b) A is true and R is false.
- c) Both A and R are false.
- d) Both A and R are true but R is not the correct explanation of A

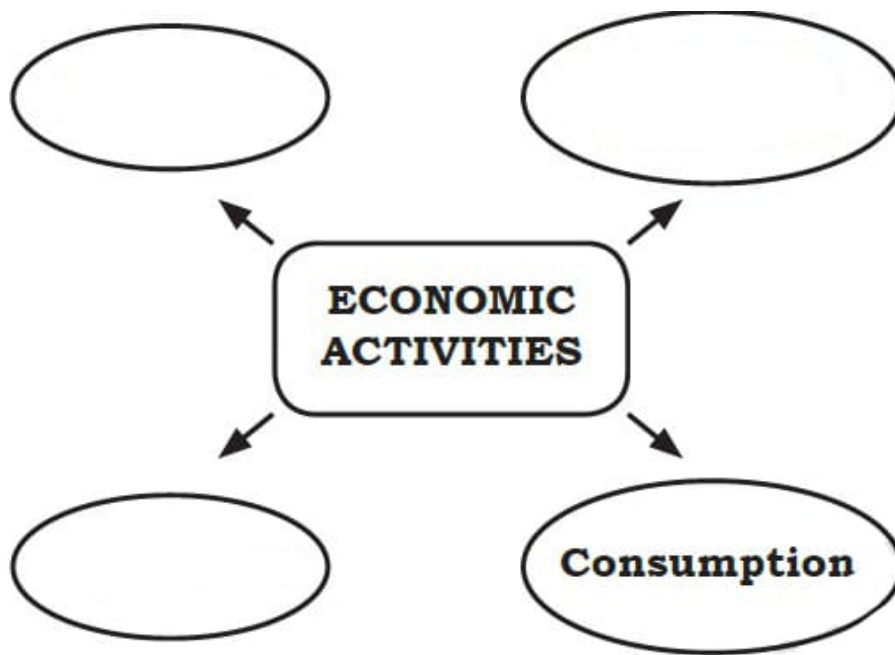
Answer: a)

Q47. When evaluating the financial performance of a business, which of the following items, if recorded as an asset rather than an expense, could artificially inflate the profit of the business?

- a) Inventory
- b) Depreciation
- c) **Salaries**
- d) Accounts Receivable

Answer: c) Salaries

Q48. Which of the following words should be included in the diagram?



- A. Production of Purchase
- B. Planning
- C. Financing
- D. Distribution
- E. Selling
- F. Exchange

- a) A,B,C
- b) D,C,E
- c) A,D,F
- d) D,E,F

Answer: c)

Q49) A firm has 5 partners the details of these partners is as follows

- 1) Ram: has contributed Rs. 50000 as capital and has kept his association with the firm concealed.
- 2) Shyam: contributed 100000 to the firm but does not take part in its activities
- 3) Mohan: contributed 20000 to the firm and takes active part in its activities

- 4) Sohan: contributed 2000 but only takes part in the profits of the business and not liable to any of the losses
- 5) Raman: has only contributed reputation in the business

Which of the following is/are an ostensible partner(s)?

- a) Only Mohan
- b) Ram and Shyam
- c) **Only Raman**
- d) None of the above

Answer: c)

Q50) A public limited company decides to issue shares at a premium but lists them at a value higher than the market price. This practice might attract regulatory scrutiny for violating which of the following principles?

- a) Fair Valuation
- b) Transparency
- c) **Market Efficiency**
- d) Ethical Marketing

Answer: c)

Section: Case Study/Problem Solving

Case Study 1 (Q51-54)

Corruption in India is a major problem, commonly seen in the form of bribery across multiple industries. An Indian economist has suggested a controversial remedy for this issue: making the act of giving specific types of bribes legal. His point indicates that with immunity for bribe-givers, they may be more inclined to expose corrupt officials and establish a system of checks and balances. He suggests that this might decrease the occurrence of "harassment bribes," which officials frequently ask for in return for services that should be given without extra fees. He thinks that legalizing bribery could change how corruption operates, promoting honesty and responsibility in government officials.

Nevertheless, this suggestion has sparked a heated discussion. Critics contend that if bribe-giving were to be legalized, it would simply sanction corruption, integrating it as a regular aspect of the bureaucratic system. They argue that it would unfairly impact the marginalized, who may lack the resources to offer bribes and would therefore be more excluded from obtaining necessary services. There is concern that this type of system would lead to a society divided into two classes, with only the wealthy able to access quality services by paying bribes, making inequalities worse. The proposal might impact the willingness of individuals to give or accept bribes in the society.

Q51. The given proposal best finds its place in which economic theory?

- a) A mathematical framework for analyzing strategic interactions where the outcome for each participant depends on the choices of all involved.
- b) A psychological concept that explains how people evaluate outcomes based on social norms and expectations rather than absolute values.**
- c) A situation in which individuals, acting in their own self-interest, deplete shared resources, leading to collective detriment.
- d) A logical paradox that arises in set theory when considering the set of all sets that do not contain themselves, leading to a contradiction.

Answer: b)

Q52. The concerns expressed here are similar to those theorised in which ideal economic system?

- a) American**
- b) Indian
- c) Chinese
- d) Russian

Answer: a)

Q53. Which scenario is the unlikeliest as a result of implementation of this proposal?

- a) Rohan bribed an officer to not give him a speeding ticket. He did not report the bribe at the station.

- b) Sam offered a bribe to the police to file an FIR regarding a robbery at her place.
- c) The officers release an accessory to a crime at the time of arrest because he offered to pay them.
- d) Police refused to take a bribe from a convicted felon to help him flee.

Answer: b)

Q54. Match the following:

	Scenario		Concept Resembled
A	A tax official demands more for overlooking discrepancies in filings in urban areas	(i)	A hyper-precise monetization tactic wherein the official surgically extracts a personalised absolute reservation price of each consumer by decoding their latent utility function
B	A traffic policeman takes the entire cash amount in the speeder's wallet in exchange for not writing them a ticket.	(ii)	A dynamic menu pricing system where the price schema morphs based on consumption volume subtly coercing the consumer to oscillate within predefined quantum price bands, with minimal transparency
C	A customs officer charges more for clearing a shipment expeditiously depending on the deadline given.	(iii)	A complex stratagem wherein prices are dynamically calibrated according to societal or demographic identifiers, exploiting segmentation to create microcosms of differentiated economic treatment within broader populations

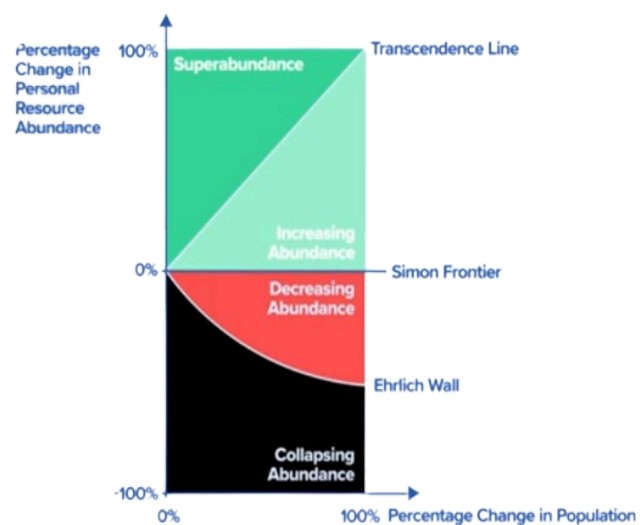
- a) A-(i), B-(iii), C-(ii)
- b) A-(iii), B-(ii), C-(i)
- c) A-(iii), B-(i), C-(ii)
- d) A-(ii), B-(i), C-(iii)

Answer: c)

Case Study 2 (Q55-Q57)

The Simon-Ehrlich wager was an established bet in the year 1980 between economist Julian Simon and ecologist Paul Ehrlich. Simon argued that human ingenuity and market forces would drive an increased supply of resources, and because innovation and substitution would continue to progress over time, the prices of natural resources would decline. Ehrlich, on the other hand, argued that growing shortages and deterioration of the environment would cause ever-rising prices for these resources.

They agreed to settle their argument with a bet. They decided that if the prices of a chosen list of natural resources- which included metals- decreased in a decade, then Simon would win; if they increased, Ehrlich would win. The chosen group of resources fell in price in 1990, and Simon emerged victorious on that bet, vindicating his view on the principle behind the effectiveness of human innovation in dealing with resource scarcity. The bet underscored the debate on optimism about human innovation versus environmental sustainability concerns.



Q55. According to the winning proposition, which scenario is likeliest?

- a) Due to bad weather conditions, tomato crops were severely affected this season. As a result, Jay's favorite Italian restaurant has reduced the number of tomato-based dishes on its menu.
- b) **As more people enter the upper middle class, demand for luxury items like diamonds is increasing. Therefore, companies are investing in R&D to create synthetic diamonds and improve extraction techniques.**
- c) As summers become hotter every year, the local ice cream vendor noticed a surge in customers. To manage this and avoid running out of popular flavors, the vendor decided to raise prices.

- d) With the recent spike in coal prices due to limited resources, many energy companies are now investing in renewable energy sources like solar and wind to reduce their reliance on coal and ensure a sustainable energy future.

Answer: b)

Q56. In the context of the aforementioned agreement, prices of which of the following sets would have been a better reference point?

- a) **Meat and Dairy, Housing Rent, and Education costs**
- b) Public Transportation costs, Medical Care bills, and Footwear
- c) Housing Utilities, Entertainment fees, and cost of personal care products
- d) Packaged foods, Fuel prices, and internet bills

Answer: a)

Q57. Which statement best captures the essence of innovation, as meant by Simon?

- a) **The commercialization of a new product or process that addresses resource scarcity, providing solutions to challenges posed by population growth.**
- b) The invention of a new product or process that enhances sustainability, which is yet to be adopted in the market.
- c) The generation of a practical and novel idea for a product or process that could impact future resource availability.
- d) The implementation of a new production method that improves efficiency and reduces environmental impact, focusing on existing resources.

Answer: a)

Case Study 3 (Q58-Q60)

Steven Spielberg's entry into the film industry is famously marked by his audacious act of sneaking into Universal Studios as a teenager. Driven by a passion for filmmaking, he managed to bypass security and gain access to the studio lot, where he explored the sets and observed the production process. This bold move was not just a reckless adventure; it was a calculated risk that allowed him to immerse himself in the world of cinema and understand the intricacies of filmmaking from a young age.

During his time at Universal, Spielberg took advantage of the opportunity to network informally with industry professionals. He befriended crew members and learned about the various roles within a production, all while showcasing his enthusiasm and talent. This experience ultimately led to an internship at the studio, where he directed short films and further developed his skills. Spielberg's initial entry into Universal Studios through this unconventional route exemplifies how determination and creativity can open doors in the competitive landscape of the film industry.

Q58. How would e-business have helped Spielberg during his time in Universal Studios? Choose the option that mostly closely represents the benefit of e-business highlighted

- a) **Easy to form despite lower investments**
- b) More convenient
- c) More spontaneous
- d) Enhanced time and place convenience

Answer: a)

Q59. In a hypothetical situation, Spielberg has the option to direct (A) or not direct (B) an unconventional movie like E.T. while Universal has the option to give him a large budget (a) or a small budget (b). Select the option which best describes the outcome based on the pay-offs.

(Universal, Spielberg)	Spielberg A	Spielberg B
Universal A	(10,10)	(3,5)
Universal B	(6,4)	(3,3)

- a) Outcome would be same as that of normal prisoner's dilemma case

- b) Either one of the players would defect
- c) **Both players would prefer the most beneficial outcome**
- d) Outcome is unclear

Answer: c)

Q60. The above game can be best classified as a

- a) Prisoner's Dilemma Game: Both players face a choice where mutual cooperation yields moderate payoffs, but betrayal leads to a higher individual gain at the cost of the other, resulting in a lower collective outcome.
- b) Coordination Game: Players achieve the highest payoffs when they successfully coordinate their strategies, but misalignment leads to significantly lower rewards for all involved.
- c) Chicken Game: In this high-stakes scenario, players risk losing everything if neither backs down, while yielding can secure a modest payoff, but the one who stands firm reaps the highest reward.
- d) **Pareto Coordination Game: Players aim for an outcome where any deviation from the efficient allocation would decrease at least one player's payoff, ensuring that all participants are as well-off as possible.**

Answer: d)
