SNAP Mock Test 2 (Based on New 2026 Exam Pattern)

Section 1: General English (Verbal Ability)

Question 1

Instructions: Choose the option that uses the modifier correctly in the given context.

Question: Having completed the lengthy audit report, the financial statements were submitted to the board by the chief auditor.

Options:

A) Having completed the lengthy audit report, the financial statements were submitted to the board by the chief auditor.

B) Having completed the lengthy audit report, the chief auditor submitted the financial statements to the board.

C) The financial statements were submitted to the board having completed the lengthy audit report by the chief auditor.

D) Completing the lengthy audit report, the board received the financial statements from the chief auditor.

Correct Answer: Option B

Explanation: The introductory participial phrase "Having completed the lengthy audit report" must logically modify the person who performed the completion ("the chief auditor"). Option A creates a dangling modifier where "the financial statements" appear to have completed the report. Option B correctly places "the chief auditor" immediately after the modifier.

Question 2

Instructions: Spot the segment in the sentence that contains a grammatical error. Question: The senior manager insist that every member of the advisory committee submit their independent findings before the deadline. Options: A) The senior manager insist B) that every member C) of the advisory committee D) submit their independent findings Correct Answer: Option A Explanation: "The senior manager" is a singular subject and requires the singular verb form "insists" rather than the plural "insist".

Question 3 Instructions: Convert the given sentence from active voice to passive voice. Question: Active: The strategic research team will have finalized the market expansion plans before the annual shareholder summit begins. Options: A) The market expansion plans will

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have been finalized by the strategic research team before the annual shareholder summit begins. B) The market expansion plans would have finalized by the strategic research team before the annual shareholder summit begins. C) The market expansion plans will be finalized by the strategic research team before the annual shareholder summit begins. D) The market expansion plans are finalized by the strategic research team before the annual shareholder summit begins. Correct Answer: Option A Explanation: The active sentence uses the Future Perfect tense ("will have finalized"). In passive voice, Future Perfect takes the auxiliary structure "will have been + past participle (finalized)".

Question 4 Instructions: Complete the sentence with the correct pronoun. Question: The board voted to promote the principal consultant, _____ the managing directors agreed had delivered exceptional revenue growth. Options: A) who B) whom C) whoever D) whomever Correct Answer: Option A Explanation: "Who" acts as the subjective pronoun for the verb clause "had delivered exceptional revenue growth". The inserted phrase "the managing directors agreed" is parenthetical and does not change the subjective requirement of the pronoun.

Question 5 Instructions: Complete the sentence with the correct pronoun. Question: The corporate foundation plans to award full educational grants to _____ the university chancellor recommends. Options: A) who B) whoever C) whom D) whomever Correct Answer: Option D Explanation: The pronoun serves as the direct object of the verb "recommends" inside the noun clause ("the university chancellor recommends whomever"). Therefore, the objective form "whomever" is required.

Question 6 Instructions: Identify the figure of speech in the sentence below. Question: "Silicon Valley reacted nervously to the unexpected shift in regulatory guidelines." Options: A) Synecdoche B) Metonymy C) Hyperbole D) Personification Correct Answer: Option B Explanation: Metonymy substitutes a concept, industry, or institution with an associated geographical location or entity. Here, "Silicon Valley" is used metonymically to represent the U.S. technology industry.

Question 7 Instructions: Select the word opposite in meaning (Antonym) to the given word. Question: RECALCITRANT Options: A) Refractory B) Compliant C) Obstinate D) Intractable Correct Answer: Option B Explanation: "Recalcitrant" means stubbornly resistant to authority or control. Its direct antonym is "Compliant" (obedient/submissive). Options A, C, and D are synonyms.

Question 8 Instructions: Choose the option that best expresses the meaning (Synonym) of the given word. Question: OBFUSCATE Options: A) Clarify B) Cloud C) Elucidate D) Illuminate Correct Answer: Option B Explanation: "Obfuscate" means to render obscure, unclear, or unintelligible. "Cloud" is a synonym. Options A, C, and D are antonyms meaning to make clear.

Question 9 Instructions: Convert the given sentence into Indirect speech. Question: "'We shall unveil the revised investment portfolio next week if the regulatory approvals come through', stated the chief executive officer." Options: A) The chief executive officer stated that they would unveil the revised investment portfolio the following week if the regulatory approvals came through. B) The chief executive officer stated that we shall unveil the revised investment portfolio next week if the regulatory approvals come through. C) The chief executive officer stated that they will unveil the revised investment portfolio next week if the

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regulatory approvals come through. D) The chief executive officer stated that they should have unveiled the revised investment portfolio the following week if the regulatory approvals had come through. Correct Answer: Option A Explanation: When converting direct speech with a past reporting verb ("stated"), first-person pronouns shift to third-person ("we" to "they"), future modals shift ("shall/will" to "would"), present tenses backshift ("come" to "came"), and time adverbs shift ("next week" to "the following week").

Question 10 Instructions: Rearrange the jumbled sentences P, Q, R, S between fixed sentences S1 and S2 to form a logical paragraph. Question: S1: Quantum computing represents a radical departure from traditional binary processing architectures. P: This exponential speedup allows quantum systems to simulate complex molecular structures in seconds. Q: Instead of relying on rigid bits, quantum processors utilize qubits that exist simultaneously in multiple states. R: Consequently, pharmaceutical drug discovery and cryptography could be revolutionized within the decade. S: However, stabilizing these fragile quantum states requires extreme sub-zero operational environments. S2: Overcoming these thermal hardware limitations remains the primary hurdle for commercial adoption. Options: A) QPRS B) QPSR C) PQRS D) RQPS Correct Answer: Option B Explanation: S1 introduces quantum computing. Q explains how qubits differ from bits ("Instead of relying..."), establishing the mechanism. P describes the outcome of qubits ("This exponential speedup..."). R states the broader industry impact ("Consequently..."), and S introduces the operational challenge ("However, stabilizing..."), which connects smoothly to S2's focus on hardware limitations.

Section 2: Analytical & Logical Reasoning

Question 11 Instructions: Find the odd one out in the given number series. Question: 2, 9, 28, 64, 126, 217 Options: A) 9 B) 28 C) 64 D) 126 Correct Answer: Option C Explanation: The terms follow n^3 + 1. 1^3+1=2, 2^3+1=9, 3^3+1=28, 4^3+1=65 (instead of 64), 5^3+1=126, 6^3+1=217. Therefore, 64 is the incorrect term.

Question 12 Instructions: Select the missing letter pair in the series. Question: ZA, XC, VE, TG, ? Options: A) RI B) SH C) RJ D) QJ Correct Answer: Option A Explanation: First letters decrease by 2 positions: Z (-2) -> X (-2) -> V (-2) -> T (-2) -> R. Second letters increase by 2 positions: A (+2) -> C (+2) -> E (+2) -> G (+2) -> I. Combining both yields RI.

Question 13 Instructions: Determine the total number of individuals in a row after position interchange. Question: In a row of managers, Ankit is 16th from the left end and Bhavna is 22nd from the right end. If they interchange their positions, Ankit becomes 29th from the left end. How many managers are there in the row? Options: A) 49 B) 50 C) 51 D) 52 Correct Answer: Option B Explanation: After interchanging, Ankit occupies Bhavna's original spot, which is 22nd from the right end and 29th from the left end. Total managers = (Position from left) + (Position from right) - 1 = 29 + 22 - 1 = 50 managers.

Question 14 Instructions: Determine the distance and direction from the starting point. Question: A delivery agent starts from warehouse W, drives 15 km West, turns left and drives 8 km. He then turns left and drives 21 km, and finally turns left and drives 16 km to reach destination D. What is the shortest distance and direction of destination D relative to warehouse W? Options: A) 10 km North-East B) 10 km South-West C) 12 km North-East D)

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14 km South-East Correct Answer: Option A Explanation: Start at W (0,0). Drive 15 km West to (-15, 0). Turn left (South) 8 km to (-15, -8). Turn left (East) 21 km to (6, -8). Turn left (North) 16 km to (6, 8). Shortest distance from (0,0) to (6,8) = sqrt(6^2 + 8^2) = sqrt(36 + 64) = 10 km North-East.

Question 15 Instructions: Solve the matrix puzzle based on given conditional statements. Question: Five executives A, B, C, D, and E head five departments: HR, Finance, Marketing, Operations, and IT, not necessarily in that order. A heads Marketing. B is neither HR nor IT. C is the head of Finance. D is neither IT nor HR. Who heads the IT department? Options: A) B B) D C) E D) Cannot be determined Correct Answer: Option C Explanation: A = Marketing, C = Finance. B is neither HR nor IT, so B = Operations. D is neither IT nor HR (remaining for D is HR). Thus D = HR. This leaves E = IT.

Instructions for Questions 16 to 18: Seven analysts P, Q, R, S, T, U, and V sit in a straight line facing North.

- V sits at the extreme left end (Position 1).
- R sits 3rd to the right of V (Position 4).
- Q sits 2nd to the left of P, and P is an immediate neighbor of R (Q is at Position 3, P is at Position 5).
- S sits to the left of Q (Position 2).
- T sits to the right of U, and U sits next to P (U is at Position 6, T is at Position 7). Final arrangement from Left to Right (1-7): V, S, Q, R, P, U, T.

Question 16 Instructions: Answer the question based on the seating arrangement above. Question: Who sits at the extreme right end of the line? Options: A) U B) T C) P D) S Correct Answer: Option B Explanation: Position 7 at the extreme right end is occupied by T.

Question 17 Instructions: Answer the question based on the seating arrangement above. Question: What is the position of Q with respect to U? Options: A) Third to the left B) Second to the left C) Immediate left D) Fourth to the left Correct Answer: Option A Explanation: Q is at position 3 and U is at position 6. Moving 3 spots to the left from position 6 reaches position 3, so Q is third to the left of U.

Question 18 Instructions: Answer the question based on the seating arrangement above. Question: Who sits exactly in the middle of the line? Options: A) Q B) R C) P D) S Correct Answer: Option B Explanation: In a 7-analyst line, position 4 is the exact middle, which is occupied by R.

Question 19 Instructions: Identify the correct code for the target word. Question: In a certain code language, 'market demand growth' is coded as 'kx px sx' and 'growth rate high' is coded as 'sx tx wx'. What is the code for 'growth'? Options: A) kx B) px C) sx D) tx Correct Answer: Option C Explanation: The word common to both statements is 'growth' and the code word common to both sets is 'sx'.

Question 20 Instructions: Solve the blood relation puzzle. Question: K is the father of L. L is the sister of M. M is married to N. N is the daughter of O. How is K related to N? Options: A) Father-in-law B) Father C) Uncle D) Brother-in-law Correct Answer: Option A Explanation: K is the father of M. M is married to N (who is female). Therefore, M is N's husband, and K is N's father-in-law.

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Question 21 Instructions: Calculate the exact time when clock hands form a specific angle. Question: A clock shows 7:00. After how many minutes will the hour and minute hands form a 90-degree angle for the first time after 7:00? Options: A) 21 9/11 minutes B) 32 8/11 minutes C) 10 10/11 minutes D) 15 3/11 minutes Correct Answer: Option A Explanation: At 7:00, the angle between the hands is 210 degrees. For the hands to form a 90-degree angle prior to overlapping, the minute hand must cover 210 - 90 = 120 degrees relative to the hour hand. Time = 120 / 5.5 = 240/11 = 21 9/11 minutes.

Question 22 Instructions: Determine the day of the week for a future date. Question: If January 1, 2020 fell on a Wednesday, on which day of the week did January 1, 2025 fall? Options: A) Wednesday B) Thursday C) Friday D) Tuesday Correct Answer: Option A Explanation: Number of years between Jan 1, 2020 and Jan 1, 2025 = 5 years. Leap years: 2020 and 2024 (2 leap days). Total odd days = 5 + 2 = 7 = 0 odd days. Wednesday + 0 days = Wednesday.

Question 23 Instructions: Calculate the time displayed on a gaining faulty clock. Question: A clock gains 4 minutes every 2 hours. It is set correctly at 6:00 AM on Monday. What time will the clock display at the actual time of 6:00 PM on Tuesday? Options: A) 7:12 PM B) 6:48 PM C) 7:00 PM D) 7:24 PM Correct Answer: Option A Explanation: Total actual hours elapsed from Mon 6:00 AM to Tue 6:00 PM = 36 hours. Total time gained = (4 mins / 2 hrs) * 36 hrs = 72 minutes = 1 hour 12 minutes. Displayed time = 6:00 PM + 1 hour 12 minutes = 7:12 PM.

Question 24 Instructions: Evaluate the given statements and determine which conclusions logically follow. Question: Statements: All laptops are devices. No device is defective. Some defective items are returned. Conclusions: I. No laptop is defective. II. Some returned items are not devices. Options: A) Only conclusion I follows B) Only conclusion II follows C) Both conclusions I and II follow D) Neither conclusion follows Correct Answer: Option C Explanation: All laptops are inside devices and no device is defective, so no laptop is defective (Conclusion I follows). Since some defective items are returned and no defective item is a device, those returned items are not devices (Conclusion II follows).

Question 25 Instructions: Identify the logical relationship between the two statements. Question: Statement I: The central bank raised key benchmark interest rates by 50 basis points. Statement II: Commercial banks increased home loan interest rates for consumer borrowers this month. Options: A) Statement I is the cause and Statement II is its effect. B) Statement II is the cause and Statement I is its effect. C) Both statements are independent causes. D) Both statements are effects of an independent cause. Correct Answer: Option A Explanation: The central bank raising policy rates (Cause) directly leads commercial banks to raise retail home loan rates (Effect).

Question 26 Instructions: Select the option that most strongly weakens the given argument. Question: An online retail portal plans to eliminate free shipping for orders below Rs. 1,000 to increase net operating profits. Which of the following, if true, would most weaken the portal's strategy? Options: A) Competitor portals offer free shipping on all order values without minimum thresholds, causing price-sensitive customers to switch platforms. B) Packaging material costs increased by 5% last quarter. C) High-value customers rarely order items below Rs. 1,000. D) Customers prefer digital payment methods over cash on delivery. Correct Answer: Option A Explanation: If competitors offer free shipping without thresholds,

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customers will switch platforms, causing sales and net operating profits to drop, undermining the strategy.

Question 27 Instructions: Identify the implicit assumption in the given statement. Question: Statement: "The government should mandate mandatory AI ethics audits for all automated financial lending platforms." Assumptions: I. Automated financial lending platforms currently run the risk of unmonitored bias or unethical processing. II. AI ethics audits are effective in identifying and mitigating systemic algorithmic risks. Options: A) Only assumption I is implicit B) Only assumption II is implicit C) Both assumptions I and II are implicit D) Neither assumption I nor II is implicit Correct Answer: Option C Explanation: Proposing mandatory audits assumes both that a risk exists in current platforms (Assumption I) and that audits are an effective intervention to address that risk (Assumption II).

Question 28 Instructions: Choose the option that best resolves the paradox. Question: A premium beverage brand doubled its marketing expenditure for a newly launched organic juice, yet total retail sales volume declined by 15% during the campaign period. Which of the following best explains this outcome? Options: A) The company redesigned the bottle label with brighter colors. B) A major health report published during the campaign falsely linked a primary ingredient in the juice to food allergies, deterring consumers. C) Retail stores expanded cold-storage shelf space. D) The brand expanded distribution into two new regional markets. Correct Answer: Option B Explanation: A published health warning deterring consumers directly explains why retail sales volume fell despite increased marketing spend.

Question 29 Instructions: Select the option that demonstrates the given statement is false. Question: Consider the statement: "No startup can achieve a billion-dollar valuation without venture capital funding." Which of the following counterexamples proves this statement false? Options: A) Startup A raised $50 million in venture capital and achieved a billion-dollar valuation. B) Startup B bootstrapped its operations entirely through customer revenue and achieved a billion-dollar valuation without venture capital. C) Startup C received venture capital funding but failed to reach a billion-dollar valuation. D) Startup D acquired another company to expand its market share. Correct Answer: Option B Explanation: The statement claims that venture capital is necessary for a billion-dollar valuation. Startup B achieving that valuation without venture capital directly disproves the claim.

Question 30 Instructions: Arrange the words in dictionary order. Question: Arrange the given words in dictionary order: 1. Benchmark, 2. Beneficiary, 3. Benefactor, 4. Benevolent Options: A) 1, 3, 2, 4 B) 1, 2, 3, 4 C) 3, 2, 4, 1 D) 1, 3, 4, 2 Correct Answer: Option A Explanation: Alphabetical sequence: 1. Benchmark (B-e-n-c-h), 2. Benefactor (B-e-n-e-f-a), 3. Beneficiary (B-e-n-e-f-i), 4. Benevolent (B-e-n-e-v). Sequence: 1, 3, 2, 4.

Section 3: Quantitative, Data Interpretation & Data Sufficiency

Question 31 Instructions: Solve the chained percentage calculation problem. Question: P's income is 25% higher than Q's income, and Q's income is 20% less than R's income. By what percentage is P's income greater or less than R's income? Options: A) 5% higher B) Equal (0% difference) C) 5% lower D) 10% lower Correct Answer: Option B Explanation: Let R's income = 100. Q's income = 80. P's income = 80 + (0.25 * 80) = 100. P's income is equal to R's income (0% difference).

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Question 32 Instructions: Calculate simple interest rate and duration. Question: A sum of money invested under simple interest becomes 5 times itself in 20 years. What is the annual rate of interest? Options: A) 15% B) 20% C) 25% D) 30% Correct Answer: Option B Explanation: Amount = 5P, so SI = 4P. Using SI = (P * R * T) / 100 => 4P = (P * R * 20) / 100 => 4 = 20R / 100 => R = 20%.

Question 33 Instructions: Solve the word problem involving averages. Question: The average of three numbers is 40. The second number is twice the first, and the third number is 3 times the first. What is the largest number? Options: A) 20 B) 40 C) 60 D) 80 Correct Answer: Option C Explanation: Total sum = 40 * 3 = 120. Let first = x, second = 2x, third = 3x. x + 2x + 3x = 6x = 120 => x = 20. Largest number = 3x = 60.

Question 34 Instructions: Calculate travel time and distance. Question: A train traveling at 50 km/h reaches its destination 20 minutes late. When its speed is increased to 60 km/h, it reaches 10 minutes early. What is the distance to the destination? Options: A) 120 km B) 150 km C) 180 km D) 200 km Correct Answer: Option B Explanation: Time difference = 30 mins = 0.5 hours. Distance D = (S1 * S2 * Δt) / (S2 - S1) = (50 * 60 * 0.5) / 10 = 150 km.

Question 35 Instructions: Calculate remaining surface area after corner cuts. Question: From a square sheet of paper of side 20 cm, four quarter-circles of radius 7 cm are cut from the four corners. What is the remaining area of the sheet? Options: A) 246 sq cm B) 254 sq cm C) 300 sq cm D) 346 sq cm Correct Answer: Option A Explanation: Total square area = 400 sq cm. Four quarter-circles equal one circle of radius 7 cm = 154 sq cm. Remaining area = 400 - 154 = 246 sq cm.

Question 36 Instructions: Calculate work completion time for individuals. Question: X and Y together can complete a project in 10 days. If X alone can complete the same project in 15 days, in how many days can Y alone complete the project? Options: A) 20 days B) 25 days C) 30 days D) 35 days Correct Answer: Option C Explanation: Combined rate = 1/10. X's rate = 1/15. Y's rate = 1/10 - 1/15 = 1/30. Thus Y alone takes 30 days.

Question 37 Instructions: Find the roots of the quadratic equation. Question: What are the roots of the quadratic equation x^2 - 9x + 20 = 0? Options: A) x = 4, x = 5 B) x = -4, x = -5 C) x = 2, x = 10 D) x = 1, x = 20 Correct Answer: Option A Explanation: Factoring x^2 - 9x + 20 = 0 gives (x - 4)(x - 5) = 0, so x = 4 and x = 5.

Question 38 Instructions: Find the smallest integer under remainder conditions. Question: What is the smallest positive integer which leaves a remainder of 5 when divided by 12, 16, and 18? Options: A) 149 B) 144 C) 139 D) 125 Correct Answer: Option A Explanation: LCM of 12, 16, and 18 = 144. Required number = LCM + Remainder = 144 + 5 = 149.

Question 39 Instructions: Calculate net percentage change in area. Question: The length of a rectangle is increased by 20% and its breadth is decreased by 10%. What is the net percentage change in its area? Options: A) 8% increase B) 10% increase C) 8% decrease D) 2% increase Correct Answer: Option A Explanation: Net percentage change = 20 - 10 + (20 * -10) / 100 = 10 - 2 = +8% increase.

Question 40 Instructions: Solve ratio sharing problems. Question: An amount of Rs. 18,000 is distributed among A, B, and C in the ratio 2 : 3 : 4. What is the difference between C's share and A's share? Options: A) Rs. 2,000 B) Rs. 4,000 C) Rs. 6,000 D) Rs. 8,000 Correct

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Answer: Option B Explanation: Total parts = 9. 1 part = Rs. 2,000. Difference between C and A = 2 parts = Rs. 4,000.

Question 41 Instructions: Calculate probability for dice rolls. Question: Two fair six-sided dice are thrown simultaneously. What is the probability that the sum of the numbers appearing on top is equal to 8? Options: A) 5/36 B) 1/6 C) 7/36 D) 1/9 Correct Answer: Option A Explanation: Total outcomes = 36. Favorable outcomes for sum = 8: (2,6), (3,5), (4,4), (5,3), (6,2) -> 5 outcomes. Probability = 5/36.

Question 42 Instructions: Calculate average speed for round trip journeys. Question: A cyclist covers a distance from town X to town Y at 20 km/h and returns from town Y to town X along the same route at 30 km/h. What is the average speed for the entire journey? Options: A) 24 km/h B) 25 km/h C) 26 km/h D) 27 km/h Correct Answer: Option A Explanation: Average speed = (2 * 20 * 30) / (20 + 30) = 1200 / 50 = 24 km/h.

Question 43 Instructions: Evaluate logarithmic values using properties. Question: Given log10(2) = 0.3010 and log10(3) = 0.4771, what is the value of log10(24)? Options: A) 1.3801 B) 1.2041 C) 1.4771 D) 1.0791 Correct Answer: Option A Explanation: 24 = 2^3 * 3. log10(24) = 3 * log10(2) + log10(3) = 3 * (0.3010) + 0.4771 = 1.3801.

Question 44 Instructions: Solve sequence problems involving AP and GP conditions. Question: Three numbers are in AP with a sum of 15. If 1, 4, and 19 are added to them respectively, the resulting numbers form a GP. What is the common difference of the AP? Options: A) 2 B) 3 C) 4 D) 5 Correct Answer: Option B Explanation: AP terms are 5 - d, 5, 5 + d. Adding 1, 4, 19 gives 6 - d, 9, 24 + d. For GP: 9^2 = (6 - d)(24 + d) => 81 = 144 - 18d - d^2 => d^2 + 18d - 63 = 0 => (d - 3)(d + 21) = 0 => d = 3.

Question 45 Instructions: Solve replacement liquid mixture problems. Question: A container holds 60 liters of pure milk. 12 liters of milk is drawn off and replaced with water. This process is repeated once more. How many liters of pure milk remain in the container? Options: A) 38.4 liters B) 40.0 liters C) 42.5 liters D) 48.0 liters Correct Answer: Option A Explanation: Remaining milk = 60 * (1 - 12/60)^2 = 60 * (4/5)^2 = 38.4 liters.

Question 46 Instructions: Find missing number using HCF and LCM formula. Question: The HCF of two numbers is 12 and their LCM is 180. If one number is 36, what is the other number? Options: A) 48 B) 60 C) 72 D) 90 Correct Answer: Option B Explanation: HCF * LCM = N1 * N2 => 12 * 180 = 36 * N2 => N2 = 60.

Question 47 Instructions: Calculate time required to fill or drain a cistern with leaks. Question: A pipe can fill a tank in 5 hours. Due to a leak at the bottom, it takes 6 hours to fill the tank completely. How long will the leak alone take to empty the full tank? Options: A) 25 hours B) 30 hours C) 35 hours D) 40 hours Correct Answer: Option B Explanation: Fill rate = 1/5, Net rate = 1/6. Leak rate = 1/5 - 1/6 = 1/30. Leak empties full tank in 30 hours.

Question 48 Instructions: Calculate overall profit or loss percentage on transactions. Question: A merchant sells two items for Rs. 1,500 each. On one item, he makes a profit of 10%, and on the second item, he suffers a loss of 10%. What is his overall percentage profit or loss? Options: A) No profit, no loss B) 1% loss C) 2% loss D) 1% profit Correct Answer: Option B Explanation: When selling price is equal, overall loss percentage = (x/10)^2 % = (10/10)^2 % = 1% loss.

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Question 49 Instructions: Find total distance based on travel time difference. Question: A car covers a distance at 40 km/h. If its speed is increased to 50 km/h, it takes 15 minutes less for the same journey. What is the distance? Options: A) 40 km B) 50 km C) 60 km D) 80 km Correct Answer: Option B Explanation: Time difference = 15 mins = 0.25 hours. Distance D = (40 * 50 * 0.25) / 10 = 50 km.

Question 50 Instructions: Find numbers satisfying divisibility rules. Question: How many three-digit natural numbers are divisible by both 5 and 6? Options: A) 25 B) 30 C) 33 D) 35 Correct Answer: Option B Explanation: Numbers divisible by 5 and 6 are multiples of LCM(5,6) = 30. Three-digit multiples range from 120 (30 * 4) to 990 (30 * 33). Total count = 33 - 4 + 1 = 30 numbers.

Section 4: Ethics, Morality and Values

Question 51 Instructions: Evaluate the situational ethical dilemma and select the most appropriate action. Question: A senior procurement manager discovers that one of the top vendor firms competing for a multi-million dollar software contract is owned by her spouse's sibling. The vendor's proposal offers the lowest price and matches all technical requirements. How should the procurement manager proceed? Options: A) Award the contract to the vendor immediately since it offers the best commercial terms. B) Disclose the personal conflict of interest to the ethics committee and recuse herself from the evaluation panel. C) Reject the vendor's bid secretly to avoid any potential scrutiny or rumors. D) Lower the technical requirements for rival vendors to create artificial parity. Correct Answer: Option B Explanation: Professional governance requires full disclosure of personal conflicts of interest and voluntary recusal from evaluation panels to maintain fairness and organizational integrity.

Question 52 Instructions: Select the response that reflects corporate whistleblowing and professional responsibility. Question: A senior internal auditor uncovers evidence that executive directors are systematically overstating revenue figures to boost stock performance. Her direct supervisor advises her to delete the findings from the audit working papers to prevent reputational damage. What is her ethical obligation? Options: A) Delete the audit working papers as instructed to maintain corporate hierarchy. B) Escalate the audit findings through the company's independent audit committee or whistleblowing channel. C) Post the confidential audit working papers on social media anonymously. D) Demand a financial bonus from executive directors in exchange for silence. Correct Answer: Option B Explanation: Professional accounting standards and corporate ethics dictate escalating fraudulent practices through formal, independent governance channels rather than obeying illegal instructions or leaking data externally.

Question 53 Instructions: Evaluate the balance between environmental responsibility and short-term profit. Question: A chemical manufacturing plant operates in full compliance with outdated local environmental laws. However, independent testing indicates that its chemical emissions pose a long-term contamination risk to local groundwater supplies. Installing an advanced filtration unit would eliminate the risk but reduce annual profit margins by 4%. What should management do? Options: A) Maintain current operations without filtration since local environmental laws are not violated. B) Install the advanced filtration unit to protect community health, accepting the minor profit reduction. C) Transfer ownership of the

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plant to a shell corporation to insulate the parent firm from liability. D) Suspend all operations permanently and declare insolvency. Correct Answer: Option B Explanation: Corporate social responsibility requires firms to prioritize public health and environmental safety over minimal legal compliance and minor short-term margin drops.

Question 54 Instructions: Address algorithmic fairness and demographic bias in technology. Question: A commercial bank deploys an AI credit-scoring algorithm that yields higher loan approval rates. However, an internal audit reveals that the algorithm consistently assigns higher interest rates to applicants residing in lower-income postal codes, indirectly discriminating against minority groups even when their credit scores match high-income applicants. How should the bank respond? Options: A) Continue using the algorithm unchanged because its primary function is maximizing bank loan recovery. B) Modify the algorithm to remove proxy variables causing demographic discrimination, ensuring equal terms for equal creditworthiness. C) Discontinue AI scoring only for high-income applicants while keeping it active for low-income applicants. D) Hide the audit report and claim the AI output cannot be audited due to proprietary technology. Correct Answer: Option B Explanation: Financial institutions have an ethical and regulatory duty to eliminate proxy variables that cause indirect demographic discrimination, ensuring fair credit access.

Question 55 Instructions: Evaluate bioethical responsibilities in product safety. Question: A biomedical engineer discovers a minor firmware defect in a newly distributed cardiac monitor that causes a false reading in 0.02% of extreme temperature conditions. Issuing a global recall will cause significant financial hardship for the firm. What is the engineer's ethical duty? Options: A) Conceal the defect until a remote firmware patch can be quietly pushed next year. B) Immediately report the defect to compliance and regulatory authorities and issue a safety advisory to healthcare providers. C) Resign from the firm immediately without disclosing the firmware flaw to anyone. D) Sell personal shares in the medical device firm before news of the defect becomes public. Correct Answer: Option B Explanation: Patient safety takes absolute precedence over financial concerns. Prompt reporting and issuing safety advisories to healthcare professionals uphold fundamental bioethical standards.

Question 56 Instructions: Evaluate ethical conduct regarding non-public material information. Question: An equity analyst accidentally receives an unencrypted email containing unreleased quarterly results showing a sharp drop in a public company's earnings. A valued client who holds substantial shares in that company asks the analyst for an immediate trading recommendation. What should the analyst do? Options: A) Advise the client to sell the shares immediately without revealing the leaked email. B) Report the accidental data leak to compliance officers, abstain from trading or using the data, and advise based strictly on public information. C) Trade on personal accounts first and then pass the leaked earnings data to close friends. D) Delete the email and give the client misleading buy recommendations. Correct Answer: Option B Explanation: Market integrity laws and financial ethics strictly forbid using or tipping material non-public information. Reporting the leak and relying solely on public analysis maintains professional compliance.

Question 57 Instructions: Evaluate ethical supply chain management and human rights. Question: An apparel retailer discovers that an overseas subcontractor employs underage workers in a rural region where child labor is a traditional family survival mechanism. Terminating the contract instantly will leave the affected families destitute. What is the retailer's most ethical action? Options: A) Ignore the subcontractor's labor practices since they align with local rural tradition. B) Terminate the contract immediately and cut off all

financial communication with the supplier. C) Require the subcontractor to transition underage workers to local schools while subsidizing adult family wages to compensate for lost income. D) Shift 50% of production to another supplier while keeping the remaining 50% unchanged. Correct Answer: Option C Explanation: Ethical supply chain stewardship addresses child labor humanely by facilitating access to education while ensuring economic stability for vulnerable families through adult wage subsidies.

Question 58 Instructions: Evaluate workplace equity and meritocracy. Question: A department director must select a team leader for an international expansion project. Candidate A has the highest performance metrics and project delivery record but works remotely. Candidate B has average metrics but is a close personal friend of the director. What is the director's ethical duty? Options: A) Appoint Candidate B to strengthen personal workplace camaraderie. B) Appoint Candidate A based on objective performance metrics and merit. C) Cancel the expansion project to avoid choosing between the two candidates. D) Pass over both candidates and appoint an external acquaintance with no relevant experience. Correct Answer: Option B Explanation: Ethical management practices demand objectivity, meritocracy, and non-favoritism in professional advancements and assignments.

Question 59 Instructions: Address conflicts between contractual non-disclosure and public welfare. Question: An industrial safety inspector signs a non-disclosure agreement (NDA) as part of her employment contract. During an inspection, she discovers a toxic gas leak that threatens a nearby residential community. Plant executives refuse to repair the leak and threaten her with legal prosecution under the NDA if she discloses it. What should she do? Options: A) Maintain silence to protect herself from NDA breach lawsuits. B) Report the toxic gas leak immediately to public health and safety authorities, as public safety supersedes NDAs. C) Post vague warnings on personal social media pages under a fake username. D) Request a transfer to an administrative desk job. Correct Answer: Option B Explanation: Protection of human life and public safety universally overrides contractual non-disclosure obligations or private corporate confidentiality.

Question 60

Instructions: Address consumer privacy and informed data consent.

Question: A fintech application collects user spending habits to deliver budgeting analytics. A third-party advertiser offers to buy the anonymized spending data for a substantial sum. The application's terms of service do not explicitly mention selling data to third parties. What is the most ethical course of action?

Options:

A) Sell the data immediately because the terms of service do not explicitly forbid it.

B) Obtain explicit, opt-in user consent through updated privacy policies before selling any data.

C) Sell the data but donate 5% of the revenue to a digital privacy foundation.

D) Sell data only for users who have not logged in during the past 90 days.

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Correct Answer: Option B

Explanation:

Respecting user autonomy and privacy ethics requires obtaining informed, explicit opt-in consent before commercializing personal consumer data.

End

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