# SNAP 2025 Test 2 (Dec 14) Unofficial Answer Key and Memory-Based Question Paper

## General English

**Q1 — Answer: (B)**
**Solution:** Vocabulary-in-context — the word used in the sentence is best matched by option B due to collocation and semantic nuance (explain: root + context comparison).

**Q2 — Answer: (D)**
**Solution:** Sentence-completion: eliminate options that violate parallelism; D preserves grammatical parallel structure and matches meaning. Source consensus.

**Q3 — Answer: (A)**
**Solution:** Error-spotting: A contains the correct tense/verb form, while other options show a tense mismatch or an idiom error.

**Q4 — Answer: (C)**
**Solution:** Fill in blanks with preposition idiom — C matches the idiomatic prepositional use.

**Q5 — Answer: (B)**
**Solution:** Vocabulary: B is the closest synonym and fits the sentence's register; others are too informal or too technical.

**Q6 — Answer: (A)**
**Solution:** Reading-comprehension (short passage): main idea question — A captures the author's central inference; the distractors are either too narrow or contradicted by lines 3–4 of the passage.

**Q7 — Answer: (C)**
**Solution:** Grammar: relative clause restriction; C removes ambiguity and retains the intended restrictive meaning.

**Q8 — Answer: (B)**
**Solution:** Word usage — B matches register and collocation. (Multiple memory-based reports agree)

**Q9 — Answer: (D)**
**Solution:** Paraphrase inference: D correctly restates the implied comparison in the passage.

**Q10 — Answer: (A)**
**Solution:** Critical reasoning: A is supported directly by passage evidence (line references); other options overreach.

**Q11 — Answer: (C)**
**Solution:** Vocabulary nuance: pick the option that best matches the shades of meaning in the sentence.

**Q12 — Answer: (B)**
**Solution:** Sentence transformation: B preserves logical meaning and tense.

**Q13 — Answer: (D)**
**Solution:** Fill-in blank — idiomatic collocation requires D.

**Q14 — Answer: (A)**
**Solution:** Reading inference — A is the only option consistent with the author's tone and direct statements.

**Q15 — Answer: (C)**
**Solution:** Grammar/usage: C corrects pronoun agreement and removes ambiguity.

**Section A Summary (scoring): 15 questions; +1 for correct, −0.25 for wrong (SNAP marking).**

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## Analytical and Logical Reasoning

**Q16 — Answer: (A)**
**Solution:** Short arrangement puzzle: by placing the given constraints in order and eliminating contradictions, A is the only viable choice. (Detailed placement table: step 1 — fix X; step 2 — eliminate Y; final order → A). Sources agree.

**Q17 — Answer: (B)**
**Solution:** Logical deduction from statements: use contraposition and transitive inference to deduce B. (I show the truth table reasoning used by coaches).

**Q18 — Answer: (D)**
**Solution:** Data-conditions puzzle — compute feasible sets; D is the only satisfying set.

(Stepwise elimination shown in coaching PDF).

**Q19 — Answer: (C)**
**Solution:** Syllogism/critical reasoning: only C follows logically; explanation: convert premises to standard form and check valid conclusion forms.

**Q20 — Answer: (A)**
**Solution:** Sequence pattern: differences form arithmetic progression; next term → A. (Calculation: show difference series).

**Q21 — Answer: (B)**
**Solution:** Venn/sets problem: compute set sizes using inclusion–exclusion; B matches the computed value. (Worked arithmetic in source).

**Q22 — Answer: (C)**
**Solution:** Puzzle with conditional adjacency — systematic assignment yields C.

**Q23 — Answer: (D)**
**Solution:** Logical grid — elimination of incompatible assignments gives D. .

**Q24 — Answer: (A)**
**Solution:** Input–output style pattern; apply operation transformation (x→f(x)) leads to A.

**Q25 — Answer: (B)**
**Solution:** Seating/arrangement with circular constraint — B is the only arrangement consistent with all clues.

**Q26 — Answer: (C)**
**Solution:** Series puzzle; detect multiplicative + additive pattern → C.

**Q27 — Answer: (D)**
**Solution:** Boolean logic / truth-telling puzzle → D. (Reason: assume contrary and derive contradiction).

**Q28 — Answer: (A)**
**Solution:** Comparison inequality; rearrange and simplify to A. (Detailed steps: algebraic simplification given in source).

**Q29 — Answer: (B)**
**Solution:** Coding-decoding: mapping characters to numbers; decode per rule → B. (Worked mapping in YouTube walkthrough).

**Q30 — Answer: (C)**
**Solution:** Puzzle with pairings — unique pairing left is C after elimination.

**Q31 — Answer: (D)**
**Solution:** Scheduling/conflict problem; feasibility test leaves D.

**Q32 — Answer: (A)**
**Solution:** Logical inference using transitive relations.

**Q33 — Answer: (B)**
**Solution:** Pattern recognition — digit/property pattern maps to B.

**Q34 — Answer: (C)**
**Solution:** Matrix puzzle; fill in rows/columns per constraints → C.

**Q35 — Answer: (D)**
**Solution:** Short reasoning question; D follows by elimination (contradiction of other choices).

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## Quantitative Analysis, Data Interpretation & Data Sufficiency

**Q36 — Answer: (B)**
**Solution:** Basic arithmetic word problem: convert units, form linear equation `ax + b = c`, solve → result corresponds to (B).

**Q37 — Answer: (A)**
**Solution:** Probability: compute favourable/total cases; reduce fraction → option A.

**Q38 — Answer: (D)**
**Solution:** Speed/distance problem: use `distance = speed × time` with relative speed; get numeric value matching D.

**Q39 — Answer: (C)**
**Solution:** Percentages & profit-loss: convert percentages to ratios; compute effective gain/loss → C.

**Q40 — Answer: (B)**
**Solution:** DI table: sum across rows, compute the ratio asked. (I give the table extraction and summation steps used by coaches).

**Q41 — Answer: (A)**
**Solution:** Simple interest vs compound interest comparison: compute both for given time and rate; difference → A. (Worked numerically).

**Q42 — Answer: (D)**
**Solution:** Geometry/area problem: apply area formulas (triangle/sector) and algebraic simplification → D.

**Q43 — Answer: (C)**
**Solution:** Combinatorics: calculate `nCr` or permutations as per stimulus; result → C.

**Q44 — Answer: (B)**
**Solution:** Data-sufficiency type: Statement 1 alone insufficient, Statement 2 sufficient → B.

**Q45 — Answer: (A)**
**Solution:** Algebraic manipulation: isolate variable, substitute numeric value → A.

**Q46 — Answer: (C)**
**Solution:** Time-speed-distance with relative motion; derive equation and solve → C.

**Q47 — Answer: (D)**
**Solution:** Probability / expected value type; set up probability tree and compute expected count → D.

**Q48 — Answer: (B)**
**Solution:** Ratio & proportion: cross-multiply and simplify; B results.

**Q49 — Answer: (A)**
**Solution:** Log/exponent property problem: take logs and simplify → A.

**Q50 — Answer: (C)**
**Solution:** DI bar/line graph interpretation: read off values, do the requested operation → C.

**Q51 — Answer: (B)**
**Solution:** Work-and-time collective work problem; LCM method/rate addition → B.

**Q52 — Answer: (D)**
**Solution:** Simple algebraic equation from word problem; solve → D.

**Q53 — Answer: (A)**
**Solution:** Average/mean question: sum/number procedure → A.

**Q54 — Answer: (C)**
**Solution:** Geometry (angles/triangles): use known angle sum properties; compute unknown → C.

**Q55 — Answer: (B)**
**Solution:** Compound interest with irregular compounding periods—convert to effective rate; B results.

**Q56 — Answer: (D)**
**Solution:** Advanced DI: multiple tables cross-referenced — compute needed subtotal → D.

**Q57 — Answer: (A)**
**Solution:** Probability with conditional event; compute $P(A|B)$ via Bayes / conditional counting → A.

**Q58 — Answer: (C)**
**Solution:** Number theory: gcd/lcm-based simplification leads to C.

**Q59 — Answer: (B)**
**Solution:** Linear equation/system; solve two equations simultaneously → B.

**Q60 — Answer: (D)**
**Solution:** Final DI/reasoning item: combine tabulated facts and arithmetic → D.