

ANSWER KEY · CLASS 08 · LOGICAL REASONING (ANALYTICAL)

# Capstone – Blood-Relations + Floors + CLAT PYQ Patterns · ANSWER KEY

Family at Table

Floor Order

CLAT 2022-style

CLAT 2023-style

Full Combo Capstone

## PURPOSE

Capstone answer key. Each set carries the fully-solved seat/floor map plus a per-question one-line method note. Read the arrangement first, then walk each rider Q against it. If you got the seating wrong, the whole set falls - so debug the diagram before the riders.

## HOW TO USE THIS KEY

Open the Practice Sheet beside this key. For every miss, do NOT memorise the correct letter - re-trace the METHOD note on the diagram and ask which anchor you skipped: opposite-pair? immediate-right vs reader-right? floor adjacency? Family-tree diagrams must be drawn on the side; floor stacks must list floor 1 at the bottom. Same mistake twice = retake the set.

## SET 01 · ANSWERS

Q 1-5 · 8 around table · 3-generation family

**ARRANGEMENT** Clockwise 1-8: P(GF) | T(grandson) | W(granddaughter) | S(DiL) | R(son) | U(daughter) | V(SiL) | Q(GM)

**FACING / TREE** All eight face the centre. Family tree (side): P—Q parents of R & U; R—S parents of T; U—V parents of W.

**METHOD** Anchors: P=1; R opposite P → 5; Q immediate-right of P → 8; S immediate-right of R → 4; T immediate-left of P → 2; U immediate-left of R → 6; V between Q(8) and U(6) along shorter arc → 7; W fills 3. Opposite-pairs verify: 1-5, 2-6, 3-7, 4-8.

Q	ANSWER	METHOD NOTE
Q1	(C) V	W is U+V's daughter → father of W is V.
Q2	(D) S	Q at seat 8; opposite = seat 4 = S.
Q3	(B) Cousin	T is R+S's son; W is U+V's daughter; R and U are siblings → T & W are cousins.
Q4	(A) R	S at seat 4 faces centre → immediate left = seat 5 = R.
Q5	(B) Son-in-law	V is the husband of P's daughter U → V is P's son-in-law.

## SET 02 · ANSWERS

Q 6-10 · 7 tenants on 7 floors

**ARRANGEMENT** F7: E (Lawyer) | F6: C (Architect) | F5: D (Teacher) | F4: B (Engineer) | F3: A (Doctor) | F2: G (Chef) | F1: F (Banker)

**FACING / TREE** Stack reads top-down. Floor 1 = ground, Floor 7 = top.

**METHOD** Direct: A=3 (Dr); B = A+1 = 4 (Eng); C = B+2 = 6 (Arch); D = C-1 = 5 (Tch); E above C → only 7 left (Lawyer); F=1 (Banker); G = remaining floor 2 (Chef).

Q	ANSWER	METHOD NOTE
Q6	(C) D	Floor 5 = D (teacher, immediately below architect C).
Q7	(B) One	Architect C is on 6; only floor 7 (E) sits above -> one tenant.
Q8	(D) G	Chef = G (remaining person on floor 2).
Q9	(C) C	Lawyer E on floor 7 -> immediately below = floor 6 = C.
Q10	(A) Floor 4	Engineer B sits immediately above A(3) -> floor 4.

### SET 03 - ANSWERS

Q 11-15 · 8 around square table + profession + colour

<b>ARRANGEMENT</b>	<b>Clockwise 1-8: P(Dr,Red)   S(Tch,Yel)   W(Des,Pink)   T(Bnk,Wht)   Q(Eng,Blue)   U(Chef,Black)   V(Arch,Org)   R(Law,Grn)</b>
<b>FACING / TREE</b>	All eight face the centre. Each seat carries: name · profession · colour.
<b>METHOD</b>	P=1; Q opp P -> 5; R immediate-right of P -> 8; S immediate-left of P -> 2; T immediate-right of Q -> 4; U immediate-left of Q -> 6; W between S(2) and T(4) shorter arc -> 3; V fills 7. Opposite pairs: 1-5, 2-6, 3-7, 4-8.

Q	ANSWER	METHOD NOTE
Q11	(D) V	W at seat 3; opposite = seat 7 = V.
Q12	(B) V	Only seat without assigned profession in the anchors was 7 = V -> architect.
Q13	(A) Q and V	Black-fan = U at seat 6; neighbours seat 5 = Q and seat 7 = V.
Q14	(A) P	R at seat 8 faces centre -> immediate left = seat 9-mod = seat 1 = P.
Q15	(D) Green	Banker T at seat 4; opposite = seat 8 = R = green.

### SET 04 - ANSWERS

Q 16-20 · 5+5 double row + family overlay

<b>ARRANGEMENT</b>	<b>Row 1 (parents, face South) cols 1-5: Anil   Bina   Chetan   Deepa   Esha. Row 2 (children, face North) cols 1-5: Faiz   Geeta   Hari   Isha   Jai.</b>
<b>FACING / TREE</b>	Parents face South -> each parent's own-left = next column to the reader's right. So names step rightward from col 1.
<b>METHOD</b>	Anil=col 1. Anil faces South -> own-left = col 2 -> Bina=2. Bina's own-left -> col 3 -> Chetan=3. Chetan's own-left -> col 4 -> Deepa=4. Esha = remaining col 5. Children sit opposite their parent: Faiz=1, Geeta=2, Hari=3, Isha=4, Jai=5.

Q	ANSWER	METHOD NOTE
Q16	(C) Hari	Chetan at col 3 -> opposite child = Hari.
Q17	(C) Nephew	Faiz is Anil's son; Anil & Bina siblings -> Faiz is Bina's nephew.
Q18	(D) Esha	Row 1 reader L-to-R: Anil, Bina, Chetan, Deepa, Esha -> right end = Esha.
Q19	(D) Jai	Esha at col 5 -> opposite child = Jai.
Q20	(A) Two	Faiz col 1, Isha col 4 -> between = cols 2,3 = 2 children.

### SET 05 - ANSWERS

Q 21-24 · 7 floors + age + profession + relation

**ARRANGEMENT** F7: A (60, Dr, GF) | F6: B (50, Tch, GM) | F5: F (40, Arch, A's bro) | F4: D (30, Law, DiL) | F3: C (35, Eng, son) | F2: G (26, Bnk, daughter) | F1: E (22, Chef, grandson)

**FACING / TREE** Stack top-down. Family tree (side): A—B parents of C and G; C—D parents of E; F = A's younger brother.

**METHOD** Direct: A=7 (eldest, Dr); B=6 (A's wife, immediately below); C=3 (Eng); D=4 (C+1); E=1 (chef ground); F between A(7) and C(3) -> floors 4,5,6 available, 4=D & 6=B taken -> F=5; G=remaining=2.

Q	ANSWER	METHOD NOTE
Q21	(C) Floor 5	F (architect) = floor 5 (only floor between A and C left).
Q22	(B) Daughter-in-law	D is the wife of A's only son C -> D is A's daughter-in-law.
Q23	(C) G	Floor 2 = G (only remaining).
Q24	(D) Three	Lawyer D on floor 4; above = floors 5,6,7 = F, B, A = 3 people.