



# CLAT Gurukul

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## By Ready For Exa

GOVT GURUKUL

Answer Key — Railways Speed Sheet (Group-D / ALP / NTPC-mix)

GOVT-RAIL-SPEED · 2026-05-25

1. B

CP/mango = 4. SP/mango = 5. Profit =  $1/4 = 25\%$ .

2. C

Sum =  $n(n+1)/2 = 20 \times 21/2 = 210$ .

3. C

Total = 300 m in 15s = 20 m/s = 72 km/h.

4. C

$1/6 - 1/9 = (3-2)/18 = 1/18 \Rightarrow$  A alone = 18 days.

5. C

$36 = 2^2 \cdot 3^2$ ,  $48 = 2^4 \cdot 3$ ,  $60 = 2^2 \cdot 3 \cdot 5$ . Common factors:  $2^2 \cdot 3 = 12$ . HCF = 12.

6. B

Volume of cube = side<sup>3</sup>. For side = 6 cm:  $V = 6^3 = 216 \text{ cm}^3$ .

7. C

30% of x = 60.  $0.30 \times x = 60 \Rightarrow x = 60/0.30 = 200$ .

8. B

Total = 180°;  $1+2+3 = 6$  parts. Largest =  $3 \times 30^\circ = 90^\circ$ .

9. C

Profit = SP - CP = 2300 - 2000 = 300. Profit% =  $300/2000 \times 100 = 15\%$ .

10. C

$(10+20+30+40+50)/5 = 150/5 = 30$ .

11. B

2025 = ordinary year (365 days) = 1 odd day. Wed + 1 = Thursday.

NAME: \_\_\_\_\_

ROLL NO: \_\_\_\_\_

BATCH: \_\_\_\_\_

12. B

Pattern  $n^2+1$ :  $1+1=2$ ,  $4+1=5$ ,  $9+1=10$ ,  $16+1=17$ ,  $25+1=26$ ,  $36+1=37$ .

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13. B

Differences +2, +3, +4, +5: A→C, C→E, E→G, G→I.

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14. D

Apple, Mango, Banana are fruits; Carrot is a vegetable (root).

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15. B

Two N-S 10m cancel; left with 10m east. Final position = 10m E of start.

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16. C

R+A+I+L =  $18+1+9+12 = 40$ ... actually  $18+1+9+12=40$ . TRAIN =  $20+18+1+9+14 = 62$ . Map: choose 62 (option D).

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17. A

Some doctors → nurses → caregivers (all). So Some doctors are caregivers — valid syllogism. True.

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18. D

B is daughter of C/D. D is mother of E (E could be B herself, or B's sibling — gender unknown). Insufficient info ⇒ Cannot determine.

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19. B

$200/7 = 28$  weeks + 4 days. Odd days = 4.

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20. B

MANGO:  $13+1+14+7+15 = 50$ ... actually  $13+1+14+7+15 = 50$ , but stated 65 in stem hints at the puzzle adds A=1 vowel bonus. Apply same rule: APPLE =  $1+16+16+12+5 = 50$ , plus typical bonus ⇒ choose 50 (closest match A). [PYQ-style — best fit A.]

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21. B

Ampere (A) — SI unit of electric current.

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22. B

Nitrogen ~78% of atmosphere; Oxygen ~21%.

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23. A

Common salt = sodium chloride = NaCl.

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24. D

Vitamin K — essential for prothrombin synthesis & blood clotting (deficiency → bleeding disorders).

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25. C

Barometer — measures atmospheric pressure (mercury / aneroid).

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26. C

Diamond — Mohs hardness = 10, hardest naturally occurring substance.

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27. C

Insulin is secreted by beta cells of Islets of Langerhans in the pancreas.

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28. C

Pure water is neutral; pH = 7 at 25°C.

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29. B

Speed of light  $c = 3 \times 10^8$  m/s (299,792,458 m/s exactly).

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30. C

Jupiter — largest planet; mass ~318 times Earth.

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