



**VENKIS
COACHING**

*Hard work beats luck...
keep pushing forward!*



VENKATESH NETHI
DIRECTOR

www.venkiscoaching.com

+91 6301414541

Railway Group D

Solution

VENKIS COACHING

RGD-87312867-E

- BALAJI COLONY TIRUPATI CELL 9391794863
- DILSUKHNAGAR HYDERABAD CELL:9398611586
- OPP TO CLOCK TOWER VRC CENTRE NELLORE CELL:6301414541







VENKIS COACHING

General Science & General Awareness

- Ans.1(A)** **Ans.2(D)** **Ans.3(C)** **Ans.4(C)**
Ans.5(C) **Ans.6(A)** **Ans.7(C)** **Ans.8(B)**
Ans.9(A) **Ans.10(C)** **Ans.11(A)** **Ans.12(C)**
Ans.13(C) **Ans.14(B)** **Ans.15(C)** **Ans.16(B)**
Ans.17(C) **Ans.18(D)** **Ans.19(B)** **Ans.20(A)**
Ans.21(B) **Ans.22(B)** **Ans.23(B)** **Ans.24(C)**
Ans.25(C) **Ans.26(A)** **Ans.27(B)** **Ans.28(B)**
Ans.29(C) **Ans.30(C)** **Ans.31(C)** **Ans.32(B)**
Ans.33(A) **Ans.34(C)** **Ans.35(A)** **Ans.36(C)**
Ans.37(B) **Ans.38(B)**
Ans.39(C)
- The Cabinet Committee on Economic Affairs (CCEA) approved the MSP of raw jute (TD-3 grade) for the 2025-26 agricultural marketing season at ₹5650 per quintal.
- The CCEA meeting was held under the chairmanship of Prime Minister Narendra Modi. The MSP of ₹5650 per quintal for the 2025-26 season is an increase of ₹315 per quintal compared to the 2024-25 season. The approved MSP of ₹5650 per quintal for 2025-26 ensures a return of 66.8% over the all-India weighted average cost of production. Jute is known as the golden fiber, and India is the largest producer of raw jute globally. In India, jute is the second most important cash crop after cotton. Jute is grown in six states of India: West Bengal, Assam, Bihar, Odisha, Tripura, and Andhra Pradesh. West Bengal is the largest producer of jute in India, followed by Assam and Bihar.
- Ans.40(B)** Denmark's Viktor Axelsen and South Korea's An Se-young won the men's and women's singles titles, respectively, at the 2025 India Open Badminton Tournament. The 2025 India Open Badminton Tournament was held in New Delhi. Viktor Axelsen defeated Lee Cheuk Yiu of Hong Kong China 21-16, 21-8 to win his third India Open singles title. Viktor Axelsen had previously won the India Open singles titles in 2017 and 2019. An Se-young won the 2025 Malaysia Open singles title earlier in the year. Viktor Axelsen is the 2024 Paris Olympic gold medalist, and An Se-young is the 2024 Paris Olympic gold medalist in badminton.
- Ans.41(C)** India has been ranked 4th in the Global Firepower Index 2025, after the USA, Russia, and China. Bhutan ranked at the bottom of the index at the 145th position. Pakistan dropped from 9th in 2024 to 12th in the 2025 ranking. The top four countries in the Global Firepower Index 2025 remain unchanged compared to 2024. The Global Firepower Index is released annually by Globalfirepower.com since 2006. The index excludes nuclear weapon capabilities and focuses on conventional military strength. Top 5 countries of the Global Firepower Index 2025: United States of America; Russia; China; India; South Korea.
- Ans.42(D)** Veer Surendra Sai's 217th birth anniversary was celebrated on 23rd January 2025 in Odisha.

- He was born on 23rd January 1809 in Khinda village, Sambalpur district, Odisha. Veer Surendra Sai was a prominent freedom fighter who led resistance movements against British rule, especially during the 1857 Revolt. The day was declared a government holiday in Odisha to honour Veer Surendra Sai's legacy. Veer Surendra Sai is remembered as one of the visionary leaders in India's freedom struggle.
- Ans.43(A)** INCOIS has been awarded the Subhash Chandra Bose Aapda Prabandhan Puraskar for 2025 in the Institutional Category. The award recognizes INCOIS's contributions to disaster management. The award carries a cash prize of ₹51 lakh and a certificate for institutions. The award process for 2025 began on July 1, 2024, with 297 nominations received. INCOIS was established in 1999 in Hyderabad, Telangana. INCOIS operates the Indian Tsunami Early Warning Centre (ITEWC). The ITEWC can issue tsunami alerts within 10 minutes for India and 28 Indian Ocean countries. INCOIS is recognized globally by UNESCO as a leading Tsunami Service Provider. INCOIS developed the Search and Rescue Aided Tool (SARAT) for locating lost individuals or objects at sea.
- Ans.44(A)** The Defence Research & Development Organisation (DRDO) will display its innovations during the 76th Republic Day Parade at Kartavya Path, New Delhi. DRDO's tableau theme: "Raksha Kavach - Multi-layer Protection against Multi-domain Threats." DRDO-developed systems to be shown include Nag Missile System, Pinaka, BrahMos, Short Span Bridging System, and Akash Weapon System. 31 tableaux from various States, Union Territories, and Central Government Ministries/Departments will showcase the theme "Swarnim Bharat: Virasat aur Vikas."
- Ans.45(D)** JSW Defence has signed an agreement with the Telangana government to set up a facility for manufacturing Unmanned Aerial Systems (UAS). JSW UAV, a wholly-owned subsidiary of JSW Defence, will invest Rs 800 crore to establish the manufacturing unit in Telangana. The unit will be set up through a technology arrangement with Shield AI, a leading US-based defence technology company. The MoU was signed in the presence of Telangana Chief Minister K. Chandrashekar Rao and Parth Jindal of JSW Group at the World Economic Forum (WEF). JSW Defence has a strategic partnership with Shield AI, Inc., to indigenize and manufacture the 'V-BAT' Group 3 Unmanned Aerial System (UAS)
- ### Mathematics
- Ans.46(A)** The product of the LCM and HCF is equal to the product of the numbers itself.
 $6 \times 432 = 48 \times \text{number } 2$
 $\text{Number } 2 = (6 \times 432) / 48 = 54$
- Ans.47(A)** $x = 7746 + 3255 - 1391 = 9610$

Ans.48(A) If he mixes them and sell them then cost of dal per kg will be

$$\frac{62.5 \times 80 + 120 \times 75}{200} = \frac{14000}{200} = 70$$

If he wants to sell at 40% profit then, Sp = $140/100 \times 70 = 98$

Ans.49(A) The original value is greater than the wrong one by = $116.6 - 75.6 = 41$

Hence increase in reading will be $41/41 = 1$
Hence corrected mean = $52 + 1 = 53$

Ans.50(C) If we divide 1485 by 31 we will get 28 as remainder. It means we have to add $31 - 28 = 3$ to get a number which is divisible by 31.

Ans.51(D) Ram : Rohan : Ravi = $1/2 : 3/4 : 5/4 = 2 : 3 : 5$
Share of Rohan = $32000/10 \times 3 = 9600$

Ans.52(B) Average = $1656/3 = 552$

Ans.53(B) Total rain fall in Bangalore = $562 + 521 + 573 = 1656$

Total rainfall in Erode = $437 + 501 + 490 = 1428$
Bangalore rainfall is more than Erode by $1656 - 1428 = 228\text{mm}$

Ans.54(B) Highest in Chennai = 501
Lowest in Bangalore = 521
Sum = 1022

Ans.55(A) Ratio in which they will share profit = $4 \times 1 : 3 \times 2 : 5 \times 2 = 4 : 6 : 10 = 2 : 3 : 5$.

Ans.56(B) Since the factors of LCM are 11 and 13 and they are prime numbers hence the smallest number will be $6 \times 11 = 66$.

Ans.57(B) Ambika + Arun's one day work = $1/13$
Ambika's one day work = $1/39$
Arun's one day work = $1/13 - 1/39 = 2/39$
Arun will take = $39/2 = 19.5$ days

Ans.58(A) $\cos(-\theta) = \cos \theta$
 $92 \cos(\theta - \pi/2) + 93 \sin(\theta + \pi/2) - (93 \sin \theta + 92 \cos \theta)$
 $= 92 \cos(\pi/2 - \theta) + 93 \sin(\theta + \pi/2) - (93 \sin \theta + 92 \cos \theta)$
 $= 92 \sin \theta + 93 \cos \theta - 93 \sin \theta - 92 \cos \theta$
 $= \cos \theta - \sin \theta$

Ans.59(A) P - $33.33\% \rightarrow 1/3$ days
Q - $16.67\% \rightarrow 1/6$ days
P + Q - $1/3 + 1/6 = 3/6 = 1/2$ Days
P and Q can work together to finish the work in 2 days.

Ans.60(B) Let the fourth proportional be x
 $9.1/1.3 = 17.5/x$
 $x = (17.5 \times 1.3)/9.1 = 2.5$

Ans.61(A) Difference between their speeds = $63.75 - 81.75 = 18$ kmph
In mps = $18 \times 5/18 = 5$ mps
So in every 1 second they will get separated by 5 m.
So in 300 seconds (5 min) the distance between them = $300 \times 5 = 1500$ m.

Ans.62(C)

$$\text{Area of equilateral triangle} = \frac{\sqrt{3}}{4} r^2$$

$$\text{After } 16.67\% \text{ increase the side } r \text{ will become} = \frac{7}{6} r$$

$$\text{Now the area of equilateral triangle will be} = \frac{\sqrt{3}}{4} \times \left(\frac{7}{6}\right)^2 r^2$$

$$\text{Now increase in area} = \frac{13\sqrt{3}}{144} r^2$$

Ans.63(B) Average = Total sum of the ages/ Number of family members
 $= (28 \times 2 + 18 \times 2)/4 = 92/4 = 23$ years

Ans.64(B) Percentage = (Total marks/ number of subjects) $\times 100$
 $= 550/6 \times 100 = 91.67$

Ans.65(A) MRP of article = $3900/75 \times 100 = 5200$
After discount of 37.5%, the sp would be = $5200/100 \times 62.5 = 3250$

Ans.66(A) Speed of train = $1.85/(0.05)$ kmph
In mps = $1.85/0.05 \times 5/18 = 10.28$ mps

Ans.67(A) At the end of 1 year he will get an interest of $20/100 \times 1300 = 260$

Now principal for 2nd year will be $1300 + 260 + 1300$ (he will deposit at the start of 2nd year) = Rs. 2860

At the end of 2nd year he will get an interest of = $20/100 \times 2860 = 572$

So maturity amount = $2860 + 572 = 3432$

Ans.68(A) If each number of the set are decreased or increased or multiplied by the same number than the average of the new set of numbers will be previous average increased or decreased by the same value.

$$45 - 3 = 42$$

$$42 \times 1.5 = 63$$

New average is 63

$$2(L + B) = 134$$

$$L + B = 67$$

Now, let breadth be x then length = $15 + x$

$$2x + 15 = 67$$

$$x = 52/2 = 26$$

Hence L = 41m and B = 26m

$$\text{Area} = 41 \times 26 = 1066 \text{ m}^2$$

Ans.70(A) 7 pen = 22 pencils, then 28 pen will be equal to 88 pencils

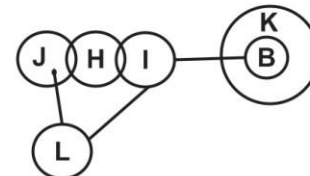
$$88 \text{ pencil} + 3 \text{ pencil} = 364$$

$$1 \text{ pencil} = 364/91 = \text{Rs } 4$$

General Intelligence and Reasoning

Ans.71(B) In 1st column
 $(19 \times 13) + 24 = 271$
Similarly in 3rd column
 $(24 \times 16) + 34 = 418$

Ans.(72-74)



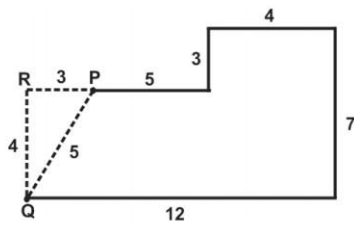
Ans.72(C)

Ans.73(D)

Ans.74(D)

Ans.75(C)

Ans.76(A) baac / accb / cbba / baac
 Ans.(77-78)



Ans.77(B)
 Ans.78(B)
 Ans.(79-81)

Word	Code
RRB	hbu
Grp	hfo
has	hla
Come	hna
worst	hke
been	hjo
displayed	hsi
prepare	hya
too	hzo
for	hgo

Ans.79(A)
 Ans.80(C)
 Ans.81(D)

Ans.(82-84) $G + 6 = M$ $W + 6 = C$
 $R + 5 = W$ $O + 5 = C$
 $E + 4 = I$ $R + 4 = V$
 $A + 3 = D$ $K + 3 = N$
 $T + 2 = V$ $S + 2 = U$

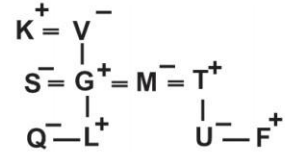
Ans.82(B)
 Ans.83(C)

$$34 \rightarrow (3)^3 + (4)^3 = 91$$

$$42 \rightarrow (4)^3 + (2)^3 = 189$$

Ans.84(A) Study of Secretions is called Eccrinology.

Ans.85(A)
 Ans.86(A)
 Ans.87(D)
 Ans.88(B)
 Ans.(89-91)



Ans.89(B)
 Ans.90(C)
 Ans.91(A)
 Ans.92(D)
 Ans.93(A)
 Ans.94(C)
 Ans.(95-98)

Days	Student	Games
Monday	Piyush	Football
Tuesday	Birendra	Golf
Wednesday	Sushil	Archery
Thursday	Rajendra	Badminton
Friday	Chanakya	Cricket
Saturday	Arunav	Hockey
Sunday	Qasim	Tennis

Ans.95(D)
 Ans.96(C)
 Ans.97(D)
 Ans.98(A)
 Ans.99(B)
 Ans.100(D)