



# All India Civil Services Coaching Centre

(Under the aegis of Government of Tamil Nadu)

## Answer Key Explanation

### Test 8 – CSAT Paper II

Maximum Questions: 100

Maximum Marks: 200

**1. Ans. A**

**Exp:** Passage mentions that a new social consensus has been evolved among the 300 million people of India who have economic purchasing power, which imply that these people belongs to organized sector and these 300 million are the new legitimizers of the new policies of the Indian State.

Hence option 'a' is correct.

**2. Ans. C**

**Exp:** Old model of economic development implies "closed economy" which has very few contacts with the outside world. In this model of development, state is the main actor for economic and social development. In India, prior to economic reforms of 1990s public sector was the main player in both planning and implementation of economic activities including infrastructure development, education, health, social services, etc. and various sectors of economy were reserved for PSUs.

Hence statement 1, 2, 4 and 5 are correct. Statement 3 is incorrect because only few essential commodities like food grain, sugar, kerosene, etc. are distributed through fair price shops.

**3. Ans. B**

**Exp:** Passage mentions that the rising pressures for the availability of consumer goods were answered by the Government by shifting the focus of attention from the State to market and from domestic to global which implies that market started playing important role in providing consumers goods and both local and international players were allowed to sell their products.

Hence option 2 and 3 are correct. Statement 1 is incorrect because passage does not mention that opening of economy has resulted into more focus on rural areas.

**4. Ans. C**

**Exp:** Passage mentions that World Bank and the IMF also became an important factor in the Indian economy and their prescriptions for resolving the crisis of India were considered positively by the government and industrial class. Hence both the statements are correct.

**5. Ans. A**

**Exp:** Passage mentions that World Development Report (1996) of the World Bank titled 'From Plan to Market' is a guide to the functionaries of the Indian State in tackling their problems of 'transition' from state-led model of development to free market model for economic growth. Hence option 'a' is correct.

**6. Ans. A**

**Exp:** The passage clearly states that they might be more inclined to protect their members' interest than those of the general public.

**7. Ans. C**

**Exp:** Passage doesn't mention issue of child labour and pressure groups secure remunerative prices for farm products not NGOs.

**8. Ans. D**

**Exp:** All the given options are true Including statement 2, which tries to interpret control and command system with respect to

bureaucratic trappings mentioned in the paragraph.

9. **Ans. C**

**Exp:** Nowhere in the passage, cost factor vis-a-vis NGOs, has been discussed. Further there is no mention of vesting discretionary powers to the NGOs rather there is caution raised against such tendencies.

10. **Ans. D**

**Exp:** Explicit in the last sentence of the first paragraph.

11. **Ans. D**

**Exp:** Based on the given information, the following arrangement can be concluded:

**Row-I**

Seltos Verna Etios Camry Hector Creta

**Row-II**

Fortuner Harrier Brezza Venue Baleno  
Endeavour

12. **Ans. C**

13. **Ans. B**

14. **Ans. D**

15. **Ans. B**

16. **Ans. C**

**Exp:** Runs scored in the first 10 overs

$$= 10 \times 4.4 = 44 \text{ runs}$$

$$\text{Remaining runs} = 314 - 44 = 270 \text{ runs}$$

$$\text{Required run rate} = 270/40$$

$$= 6.75 \text{ per over}$$

17. **Ans. D**

**Exp:**

Suppose X number is added to each term, then  $4+x$ ,  $10+x$ ,  $12+x$ ,  $24+x$  are in proportion.

Or

$$\begin{aligned} (4+x) : (10+x) &:: (12+x) : (24+x) \\ \frac{4+x}{10+x} &= \frac{12+x}{24+x} \\ (4+x)(24+x) &= (12+x)(10+x) \\ 96 + 28x + x^2 &= 120 + 22x + x^2 \\ 6x &= 24 \\ x &= 4 \end{aligned}$$

18. **Ans. C**

19. **Ans. D**

**Exp:** GS paper cleared by  $100\% - 35\% = 65\%$

The total number of students cleared the GS Paper =  $16200 \times 65\% = 10530$

Total number of students who cleared CSAT Papers =  $100\% - 45\% = 55\%$  of 16200

$$= 16200 \times 55/100 = 8910$$

20. **Ans. C**

The number of students who cleared CSAT as well as GS Papers =  $40\%$  of the 8910

$$= 8910 \times 40/100$$

$$= 3564$$

21. **Ans. D**

22. **Ans. C**

**Exp:**  $W1 \times D1 = W2 \times D2$

$$76 \times 33 = (76-x) \times 44$$

$$x = 19$$

23. **Ans. D**

**Exp:** Given Market Price is Rs. 2100

After 20% discount on Rs. 2100

New Price = Rs. 2100 – Rs. 20% of 2100

= Rs. 2100 – Rs. 420

= Rs. 1680

Given Selling Price = 1176

So, 2nd discount = Rs. 1680 – Rs. 1176

= Rs. 504

And  $504 = 30\%$  of 1680

Thus,  $x = 30\%$

24. Ans. D

Exp: Let the initial number of mangoes be 'x'

$$\begin{aligned} \text{Then, } x - \frac{1}{4}x &= \frac{3x}{4} \\ \frac{3x}{4} - \frac{1}{3} \times \frac{3x}{4} &= \frac{x}{2} \\ \frac{x}{2} - \frac{1}{2} \times \frac{x}{2} &= \frac{x}{4} \\ \frac{x}{4} &= 20 \\ X &= 80 \end{aligned}$$

25. Ans. A

Exp:

Present age of P+Q = (24×2 + 3×2) = 54 years

Present age of P+Q+R = 28×3 years = 84 years

R's present age = 84 years – 54 years = 30 years

26. Ans. B

Exp: Only statement 2 follows from the passage". When he found that Abe was teaching himself to write, he was quite proud of the boy.

27. Ans. D

Exp: Neither statement follows from the passage. It's mentioned that Abe read especially in the long winter evenings. This does not mean that he did not read at other times. Also, lamps and candles are said to have been expensive for the settlers not fire per se.

28. Ans. C

Exp: Both statements follow from the passage 1 follow from the line - "When spring came round and they were working together in the fields.."

Statement 2 follows from the line-" ...he practices writing his own name in the snow or with a charred stick on slabs of wood." And from the last line of the passage.

29. Ans. B

Exp: The statement (b) suggests a mechanism for illness completely different

from the parasitic transmission the passage discusses.

30. Ans. C

Exp: The statement (c) attributes the characteristic of the trypanosome parasite not the tsetse fly.

31. Ans. C

Exp: As stated in the passage Environmentalists and conservationists dread the day when cattle and livestock, permitted to roam and graze freely, will uncontrollably devour lush African grasslands, converting them into barren desert. They argue that the tsetse fly must remain for the sake of the land". Hence option (c) is correct.

32. Ans. D

33. Ans. D

34. Ans. B

35. Ans. A

36. Ans. C

Exp:

$$\begin{aligned} \text{Required answer} &= 10000 \left(1 + \frac{50}{100}\right)^4 \\ &= \text{Rs. } 50625 \end{aligned}$$

37. Ans. C

Exp: Let Rs. 2 coins and Rs. 5 coins be 6x and 11x respectively

$$\begin{aligned} \text{Then, } 6x \times 2 + \frac{11x}{2} \times 5 &= 790 \\ 24x + 55x &= 790 \times 2 \\ &= 79x = 790 \times 2 \\ X &= 20 \end{aligned}$$

$$\begin{aligned} \text{Thus, Rs. 2 coins} &= 6 \times 20 \\ &= 120 \end{aligned}$$

38. Ans. B

Exp: 1 day work of Pinku, Rinku and Tinku is  $\frac{1}{10}$ ,  $\frac{1}{8}$ ,  $\frac{1}{16}$  respectively.

Let the work gets completed in 'x' days,

Then,  $2 \times \frac{1}{10} + n \times \frac{1}{8} + n \times \frac{1}{16} = 1$  ( $\because$  complete work is 1)  
 $= n = \frac{64}{15}$   
 $= 4 \frac{4}{15}$  days

39. Ans. C

Exp:

$7 \ 8 \ 16 \ 43 \ 107 \ ?$

$1 \ 8 \ 27 \ 64 \ ?$

$1^3 \ 2^3 \ 3^3 \ 4^3 \ 5^3$

Thus, the difference is 125 and the value of (?) is  $107+125$

$= 232$

40. Ans. C

Exp:

Let the cost price = x

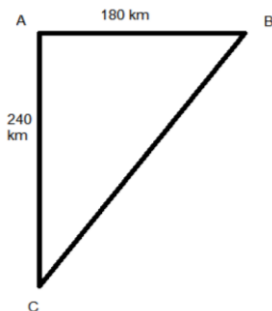
$625 - x = x - 435$

$2x = 625 + 435 = 1060$

$x = 530$

41. Ans. A

Exp:



Applying Pythagoras theorem,

The distance between B and C,

B and C =  $\sqrt{180^2 + 240^2}$  km

$= 300$  Km

42. Ans. B

Exp:

If Q has scored 100, then P scored 85%.

Thus, 15% = 60 marks

1% = 4 marks

$85\% = 85 \times 4 = 340$  marks

43. Ans. B

Exp:

In improper fraction numerator > denominator. If numerator and denominator are decreased by the same positive quantity, then the resulting fraction is always greater than the original fraction.

For example,  $\frac{10}{9} = \frac{10-1}{9-1} = \frac{9}{8}$

Now,  $\frac{9}{8} > \frac{10}{9}$

$\frac{9}{8} = \frac{9-2}{8-2} = \frac{7}{6}$

Now,  $\frac{7}{6} > \frac{9}{8}$

44. Ans. D

Exp:

24 x 8 hours

8:30 AM Tuesday .....

8:30 AM next Wednesday

7 minutes fast 5 minutes slow

Total 12 minutes lost

The watch lost a total of 12 minutes (7 minutes + 5 minutes) in 24x 8 hours, and it would have shown the correct time as soon as it would have lost 7 minutes. Thus, the unitary method:

12 minutes = 24 x 8 hours

7 minutes =  $\frac{24 \times 8}{12} \times 7$  hours

= 112 hours

i.e. after 4 days and 16 hours.

45. Ans. C

Exp:

The number of diagonals that can be drawn by joining the vertices of any polygon is given by  ${}^n C_2 - n$ , where n is the number of sides.

Thus, number of diagonals in a hexagon

$$\begin{aligned}
 &= {}^6C_2 - 6 \\
 &= \frac{6 \times 5}{2} - 6 \\
 &= 15 - 6 \\
 &= 9
 \end{aligned}$$

46. Ans. D

47. Ans. C

**Exp:** Passage does not mention about the weakness of law and nature of investigation and character of agencies involve in investigation. But it does talk about the nature of problem itself and lack of evidences based on which judgment can be given by court of law.

48. Ans. B

**Exp:** Authors does not mention the various elements of criminality which should be separately established. But he mentions that element of criminality should be clearly established.

49. Ans. C

50. Ans. A

**Exp:** Passage does not mention about the working of CBI. It mentions that due to the nature of crime and lack of evidences prosecution is low.

51. Ans. B

**Exp:** Passage discussed the nature of crime and problems associated with investigation and prosecution. On this basis option b is most suitable.

52. Ans. A

53. Ans. A

**Exp:** As stated in the passage "Overlords' income, despite the increase in rice production among their tenant farmers, failed to keep pace with their expenses". Hence option (a) is correct.

54. Ans. D

**Exp:** As stated in the passage "It was difficult for individual Samurai overlords to increase their income because the amount of rice

that farmers could be made to pay in taxes was not unlimited". Hence option (d) is correct.

55. Ans. C

56. Ans. D

**Exp:** As stated in the paragraph 1 "Rain water harvesting is a technology used for collecting and storing rainwater from rooftops, the land surface or rock catchments using simple techniques such as jars and pots as well as more complex techniques such as underground check dams. The techniques usually found in Asia and Africa arise from practices employed by ancient civilizations within these regions and still serve as a major source of drinking water supply in rural areas." Thus option (d) is correct.

57. Ans. B

**Exp:** Not mentioned in the passage.

58. Ans. A

**Exp:** Reasonably pure rainwater can be collected from roofs constructed with galvanized corrugated iron, aluminium or asbestos cement sheets, tiles and slates.

59. Ans. B

**Exp:** Compared to rooftop catchment techniques, ground catchment techniques provide more opportunity for collecting water form a large surface area. By retaining the flows (including flood flows) of small creeks and streams in small storage reservoirs (on surface or underground) created by low cost (e.g., earthen) dams, this technology can meet water demands during dry periods.

60. Ans. C

**Exp:** P(16<sup>th</sup> alphabet) + E(5<sup>th</sup> alphabet) = U(21<sup>st</sup> alphabet),  $2^3 + 3^3 = 35$

J(10<sup>th</sup> alphabet) + G(7<sup>th</sup> alphabet) = Q(17<sup>th</sup> alphabet),  $1^3 + 5^3 = 126$

H(8<sup>th</sup> alphabet) + L(12<sup>th</sup> alphabet) = T(20<sup>th</sup> alphabet),  $3^3+x^3=370$ , so answer is T7

61. **Ans. D**

**Exp:** A and D will be opposite to each other. Rest four faces will always be adjacent to A.

62. **Ans. D**

**Exp:** Pattern is:

$$7 \times 2 + 1 = 15$$

$$15 \times 2 + 2 = 32$$

$$32 \times 2 + 3 = 67$$

$$67 \times 2 + 4 = 138$$

$$138 \times 2 + 5 = 281$$

63. **Ans. C**

64. **Ans. D**

**Exp:** Property of cube: If only one face is common for two different views then we can find all the opposite faces so all three statements are sufficient.

65. **Ans. D**

**Exp:** From 5<sup>th</sup> Jan 2004 to 5<sup>th</sup> Jan 2007 we are having gap of 43 years with 11 leap years means 54 odd days.  $54/7$  will give 5 remainder means 5 odd days.

From 5<sup>th</sup> Jan 2047 to 5<sup>th</sup> Nov 2047 we are having 24 odd days means effectively 3 odd days.

From 5<sup>th</sup> Nov to 26<sup>th</sup> Nov we are having 21 odd days means 0 odd days.

Total no. of odd days are  $5+3+0=8$  means 1 odd day so answer will be Wednesday.

66. **Ans. A**

**Exp:** Football 22.5%, Hockey 15% so Answer is 7.5% of 48 crore = 3.6 crores

67. **Ans. D**

**Exp:**

$$\frac{22.5\% - 10\%}{22.5\%} \times 100\% = 55.55\%$$

68. **Ans. D**

**Exp:**

The first sentence clearly tells us that the author is a smoker. All other options are not mentioned in the passage.

69. **Ans. C**

**Exp:** The last line of the second paragraph makes it quite clear that the author gives more priority to his chimney than himself.

The last sentence of the passage tells us that swallows build their nests and the chimney serves as a home for these birds.

Hence, option (c) is the correct answer.

70. **Ans. A**

**Exp:** The use of the word 'monster' by the author while comparing suggests that this comparison has been made in order to emphasize the enormity of the author's chimney. Options (h) and (c.) are not suggested in the passage.

71. **Ans. D**

**Exp:** Statement 1 is invalid because the passage only tells us that "extensive changes" were introduced in NWDPRA.

Whether the improvements have been made or not is not known. Statement 2 is invalid because there was a proposal for a liberalised central assistance. This does not mean that the central assistance was lowered. Hence, option (d) is the correct answer.

72. **Ans. A**

**Exp:** Statement 1 is valid based on the sentence "Use vegetative barriers is the principal means to prevent soil erosion and to conserve moisture." Statement 2 is not valid because the sentence "In developing the micro watersheds, a holistic approach is to be adopted" does not tell us whether a holistic approach will help in developing micro watersheds or not.' Hence, option (a) is the correct answer

**73. Ans. C**

**Exp:**

The passage tells us that "Extensive changes were introduced in this major programme for the development of the rainfed agriculture" this clearly means that rained agriculture development is a component of NWDPR. From the sentence "Extension Support through local progressive farmers is another critical element." we can say that support through local progressive farmer is important for NWDPR. Hence, option (c) is the correct answer.

**74. Ans. D**

**Exp:** The sentence "A substantial proportion... as first Referral Units. "tells us that CHCs are unable to function as First Referral Units. This does not mean that First Referral Units are an impediment in the functioning of CHC's. The passage clearly mentions that there is a serious lacuna in the establishment of the referral system and consequently the system needs to be rectified. Thus, statement 2 is valid and option (b) is the answer.

**75. Ans. B**

**Exp:** Statement 1 is invalid because from the sentence "Improving the service.... the needed services." It is clear that improving the service conditions is essential to ensure that specialists in CHCs do stay and provide the needed services.

This does not mean that Presence of Public Health Specialists is crucial to the improvement of the service conditions in CHCs. Statement 2 is valid because the first 2 sentences of the passage clearly mention this.

Hence option (b) is the correct answer.

**76. Ans. A**

**Exp:** From the sentence "Services of Anaesthetist... will not be possible." It is clear that Anaesthetist's services are important for the execution of surgeries in CHCs. The passage does not suggest that

specialists are expected to handle multiple responsibilities. Hence, option (a) is the correct answer.

**77. Ans. B**

**Exp:**

Option 1 is mentioned at the beginning of passage.

Option 2 is wrong as it is 'caste based quotas' not 'class-based'.

Due to vote bank politics politicians are supporting reservation.

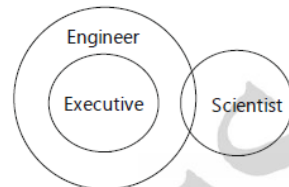
So, option 3 is also correct. In the passage it is mentioned that for 1st generation learner reservation is needed i.e. education backwardness. It doesn't talk about economic backwardness.

**78. Ans. D**

**Exp:** The passage above is based on the increase in smuggling activities due to huge profits in it. Hence, the passage best supports the option (d).

**79. Ans. A**

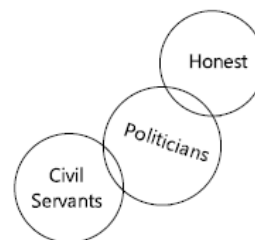
**Exp:**



As per the given statement, we can say that only conclusions 3 & 4 follow.

**80. Ans. D**

**Exp:**



As per the given statement, we can say that none of the above conclusions follow.