



# All India Civil Services Coaching Centre

(Under the aegis of Government of Tamil Nadu)

## Answer Key Explanation

### Test 9 – CSAT Paper II

Maximum Questions: 100

Maximum Marks: 200

**1. Ans. A**

**Exp:** The passage explicitly mentions that mining and industrial activity, as well as sewer and waste mismanagement contribute to soil contamination, thereby leading to soil degradation.

The passage also states that antibiotics contained in animal manure are also potential pollutants and are hence, partially responsible for soil degradation.

Hence, (1), (2) and (3) are all valid causes of soil degradation. Particulate matter from thermal power plants are not mentioned in the passage as a cause of soil degradation. Hence, the correct answer is option (a).

**2. Ans. A**

**Exp:** The passage clearly mentions that soil pollution is a more insidious risk compared to soil erosion as it is harder to identify and varies from soil to soil based on a number of complex factors.

Pollution being called “insidious” also implies that soil pollution shows its full effect gradually over a longer period compared to soil erosion. Hence,

statement (1) can be said to be true. This also validates statement (2) as the passage mentions that the danger from soil pollution also depends on differing soil properties interact with different chemicals.

Statement (3) is factually incorrect as the passage suggests that soil pollution affects as much as one-fifth of all croplands in

certain countries. Hence, at the most, one in five croplands (and not six) get affected.

Hence, only statements (1) and (2) are true. Hence, the correct answer is option (a).

**3. Ans. B**

**Exp:** Statement (1) is vindicated by the fact that the passage mentions that the inequity is reflected in the skewed availability of public resources between the advanced and less developed states.

The passage explicitly mentions persistent malnutrition as one of the major challenges for the public health system in India.

While the passage focuses on rising costs in public healthcare, statement (3) generalizes the implication of rising costs to all healthcare. Hence, it is invalid.

Hence, the correct answer is option (b).

**4. Ans. B**

**Exp:** The passage states, “Premature morbidity and mortality from chronic diseases can be a major economic and human resource loss for India. The large disparity across India places the burden of these conditions mostly on the poor, and on women, scheduled castes and tribes especially those who live in the rural areas of the country.”. This supports statements (1) and (3).

Though a woman from a scheduled caste may be a risk, the passage suggests that a poor woman from this group is likelier to have a higher mortality risk compared to a rich woman. Hence, statement (2) is invalid.

Hence, the correct answer is option (b).

**5. Ans. B**

**Exp:** According to the passage, the private sector health care is unregulated pushing the cost of health care up and making it unaffordable for the rural poor. It also postulates later that maintaining the health system in the present form is bound to make it untenable in India.”.

This is best expressed in option (b). Option (a) contradicts the passage as India has registered significant progress in improving life expectancy at birth, as well as reducing infant and maternal mortality over the last few decades.

Option (c) is incorrect since the passage does not discuss the spread of preventable diseases.

Hence, the correct answer is option (b).

**6. Ans. C**

**Exp:** Option (C) is the correct answer. The author says from 1980s to 2008, it was held that markets and not government held the key to prosperity and freedom. Thus, there was a deep belief in the markets. But, with 2008 financial crisis that faith is lost. Here, the author is talking about the faith in the ability of markets that is now withering away.

Option (A) is incorrect. Generally, we talk about ‘faith’ in the context of religion and God. But, in the given passage, there is no reference to religion and God.

Option (B) is incorrect. As per the passage, the faith in government was less till 2008. Author says that in 1980s and 1990s it was believed that markets, and not government, held the key to prosperity and freedom. This belief is slowly eroding in the era after 2008 financial crisis.

Option (D) is incorrect. We cannot infer that people have lost faith in the fact that

prosperity and freedom can ever be achieved. Rather, people have lost faith in the ability of markets to achieve this prosperity and freedom. May be, people now start believing in some other institutions like government to achieve prosperity and freedom.

**7. Ans. C**

**Exp:** Option (A) is incorrect. Towards conclusion, author says that the drive to enhance human nature through genetics fails to appreciate the gifted character of human powers and achievements. The author calls this a predicament. Thus, the implication is to appreciate the gifted character of human powers and achievements.

Option (B) is incorrect. Passage begins by saying that genetic engineering presents us with a promise and a predicament. The promise is that it will be able to treat and prevent a host of debilitating diseases. The author has nowhere questioned this promise.

Option (C) is the correct answer. The passage says that genetic engineering presents us with a promise and a predicament. The promise is that we will be able to treat a number of diseases. But it also raises a number of ETHICAL QUESTIONS like the ability to manipulate natural traits. It is in the light of these ethical issues that real world applications of advancements in genetic engineering should be guided by strong ethical framework.

Option (D) is incorrect. Author restricts the scope of this passage to the predicaments associated with breakthroughs in genetic technology. There is no indication towards predicaments of life in general. Hence, this statement is beyond the scope of this passage.

**8. Ans. B**

**Exp:** To minimize the number of children, we have to maximize the number of sweets that each child got. But as each child got equal number of sweets and no child got more than one variety of sweets, we have to find the HCF of the three numbers.

$$\text{HCF}(13, 17, 41) = 1$$

Hence, each child got only one sweet.

$$\text{So, total number of children} = 13 + 17 + 41$$

$$= 71.$$

**9. Ans. D**

**Exp:** Option (A) is incorrect. In meritocratic societies, social positions reflect effort and talent. But, the author says, too much emphasis on merit has certain challenges. However, author stops short of judging such societies as just or unjust. Further, there is no comparison with other societies in the given passage.

Option (B) is incorrect. Towards conclusion the author says meritocratic society may lead to demoralizing thought among the less fortunate ones. The losers may think that their failure is their own doing, and that they lack the talent and drive to succeed. Ethical insensitivity, as mentioned in this answer option, would arise when these people do not receive sympathy and support. Whether or not they receive sympathy and support is not discussed in this passage. Also, the winners do not feel demoralized. Hence, both parts of this statement are incorrect.

Option (C) is incorrect. The passage is simply descriptive in nature. Author discusses the issues with meritocracy. She does not make any reference to replacing merit with wealth as a parameter to select achievers in society.

Option (D) is the correct answer. A possible inference we can draw is, there should not be too much emphasis on merit.

**10. Ans. C**

**Exp:** Statement 1 is incorrect. The passage mentions that since 2004, political PROBLEMS due to more number of people moving from East European countries to West European countries have started.

Hence, it would be incorrect to say that the attitude of appreciating fellow Europeans living and working freely anywhere within the EU has NOT CHANGED at all after 2004.

Statement 2 is correct. In the opening line, the author says that the reason for Britain leaving EU is widely attributed to racism. She further says that this explanation is incomplete, disingenuous and over simplistic.

Hence, according to the author, reasons other than racism may also be responsible for Britain leaving EU.

**11. Ans. B**

**Exp:** Option (A) is incorrect. In the very opening of the passage the author says, it is widely held that racism is the main reason for Britain leaving EU. But for author this is an incomplete, disingenuous and over simplistic explanation. Hence, this statement is incorrect.

Option (B) is the correct answer. The author says, a better explanation for Britain leaving EU is concern about sharing limited resources such as healthcare, housing and school places. She further says, this issue has increased after 2004 when East European countries joined EU. Thus, we can say that stress on resources of West European Countries increased, and this stress is a probable reason for Britain leaving EU.

Option (C) is incorrect. As seen above, the stress on resources of West, and not East European countries, has increased due to disproportionate migration from East to West Europe.

Option (D) is also incorrect. Author says, the increased disparity in flow of people between West and East European countries is a reason. Author does not say there is disparity amongst the countries of Eastern Europe itself.

**12. Ans. A**

**Exp:** Option (A) is the correct answer. Author says, in a cold and slowly changing environment the effects of simple events can be there for years. Decaying of organic materials also takes years. Thus, the implication is, pollution may have long lasting consequences in Antarctica.

Option (B) is incorrect. Author quotes the example of pollution by organic materials to underline the seriousness of situation. She says, even organic materials take decades to decay; other materials would take even longer. Hence, it cannot be said that ONLY organic materials are leading to degradation of Antarctica.

Option (C) is incorrect. Author says that organic material, normally, decays easily. In temperate regions also it decays in months. But, in Antarctica it takes decades to decay. Thus, the implication is that organic materials can also prove to be dangerous for Antarctica.

Option (D) is incorrect. Options (B) and (C) are contradictory in nature. Both of them cannot be correct at the same time.

**13. Ans. A**

**Exp:** Option (A) is an incorrect inference. Author says, RTAs are popular among industrialised countries and developing countries are coaxed into signing them. Thus, we can infer that RTAs may be beneficial to industrialised countries and may have negative consequences on developing countries.

We are required to find the INCORRECT inference. Hence, option (A) is the correct answer.

Option (B) is a correct inference. The passage says, if RTAs promote faster trade creation, they also destroy employment opportunities. This means that trade creation need not always lead to creation of employment.

Option (C) is a correct inference. Passage says that RTAs lead to trade diversion. Due to RTAs, demand shifts from efficient producers to inefficient producers (who are a part of RTA) because of lower tariffs. Thus, as seen in RTAs, lowering of tariffs may lead to inefficiencies in production process.

Option (D) is a correct inference. Passage says, despite a number of negative implications of RTAs, they continue to exist. The most common reason is the frequent failure of World Trade Organisation talks. Thus, we can safely infer that if World Trade Organisation talks continue to fail, attraction for RTAs is likely to continue.

**14. Ans. C**

**Exp:** The person spent 9 hours in the journey, but gained 1 day, i.e. 24 hours. Hence, he will reach the destination on 5 P.M. of 1st May + (9 – 24) hours, i.e. 2 A.M. of 1st May.

So, option (C) is the correct answer.

**15. Ans. D**

**Exp :** Clearly, the private sector banks have done so to attract more and more customers of public sector banks. Thus, public sector banks should either reduce the rate of interest to match with that of private sector banks or highlight those features which make them stand apart from private sector banks. So, either 2 or 3 follows.

**Solutions (Q. No. 16-18): From the given information seven sisters can be arranged according to their ages are shown below:**

10 – Sarita	9 – Rita
8 – Gaya	7 – Mamta
6 – Piya	5 – Deepa 4 – Neeta

16. **Ans. B**

**Exp:** Mamta is 1 yr elder to Piya. So, their age difference is 1 yr.

17. **Ans. A**

**Exp:** Neeta is the youngest of all sisters.

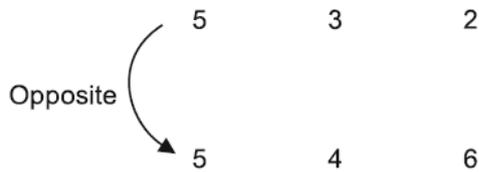
18. **Ans. B**

**Exp:** Sarita is the eldest of all sisters.

19. **Ans. A**

**Exp:** From dices 1 & 2 Side having 5 dots is common

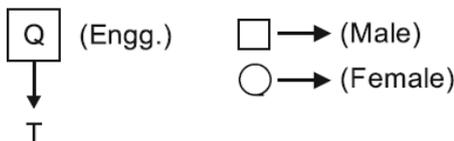
Writing anticlockwise,



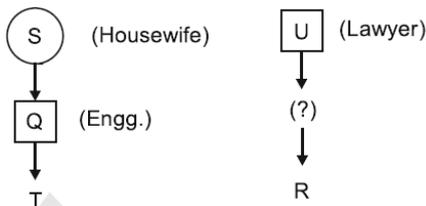
∴ Dice 6 is opposite to Dice 2.

**Solution (20-21):**

Q is an engineer and the father of T. So.

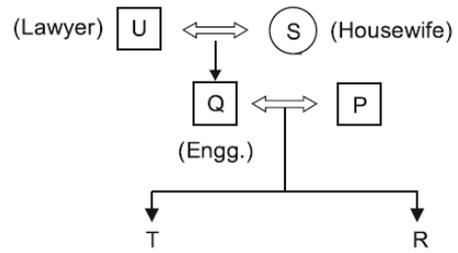


S is the grandmother of T, which means Q is the son of S. S is a housewife. So.



U is the grandfather of R and is a lawyer.

There are two married couples in the family, So, the two possible pairs are of grandfather-grandmother and father mother. So, we combine the two diagrams in the following way :



The professions of P, T and R are unknown. However, with reasonable satisfaction, we may assume that the mother (P) should be the teacher and the two children T and R should be students. Also, the sexes of T and R cannot be determined.

20. **Ans. A**

**Exp:** US and QP are two married couples.

21. **Ans. D**

**Exp:** Q and U are definitely males.

22. **Ans. C**

**Exp :**

$$2 \times 21 \times 26 = 1092$$

$$1 \times 22 \times 46 = 1012$$

$$\text{Similarly, } 2 \times ? \times 20 = 1000$$

$$? = (1000 / 40) = 25$$

23. **Ans. D**

**Exp:** When Mr. C and Mr. D converse, they can use English, Tamil, Bengali and Hindi interpreter between them. Mr. A speaks Hindi and Tamil and Mr. B speaks English and Hindi. Mr. E speaks bengali and Tamil.

24. **Ans. A**

**Exp:** Mr. B understands English and Hindi, while Mr. E speaks two other languages, Bengali and Tamil.

25. **Ans. C**

**Exp:** Inflation rate for the year 2017 & 2018 = 8% each

The rate of increase in price of sugar will be = 10%.

As, price of sugar on Jan 1, 2017 is Rs. 20 Then, it will be Rs. 22 on Jan 1, 2018 and Rs. 24.20 on Jan 1, 2019.

**26. Ans. C**

**Exp:** Total volume of first report =  $(110 \times 10 \times 65) = 71500$

Let  $n$  be the number of pages.

Therefore, the new volume will be =  $(65 \times 22 \times n) = 1430n$

As the volume remains same, we can say that  $71500 = 1430n$   
 $n = 50$  sheets.

Clearly, the sheets increased by  $(50 - 10 = 40)$  and percentage increase in number of sheets  
 $= (40/10) \times 100$   
 $= 400\%$ .

**27. Ans. C**

**Exp:** Let the total number of votes = 100

$\frac{2}{5}$  of 100 = 40

Initially, there were 40 of these, who promised to vote for P.

Number of people who vote for Q = 60 On the last day, Number of people who broke their promise, to vote for P =  $(15\% \text{ of } 40) = 6$  voters

Number of people who broke their promise, to vote for Q =  $(25\% \text{ of } 60) = 15$  voters So the number of votes P have =  $(40 - 6 + 15) = 49$  votes

The number of votes Q have =  $(60 - 15 + 6) = 51$  votes.

Hence, margin of victory for Q =  $(51 - 49) = 2$   
 $\therefore 2\% \text{ of total} = 4$ ;

Hence the total number of voters is 200.

The total number of voters for P is  $49 \times 2 = 98$

**28. Ans. D**

**Exp:** Let the ratio of content =  $p : q$

Quantity of A in the mixture is

$$\frac{5}{6}p + \frac{1}{4}q$$

Quantity of B in the mixture =  $\frac{1}{6}p + \frac{3}{4}q$

Therefore, the required mixture = 2 : 1

$$\frac{\left\{ \frac{5}{6}p + \frac{1}{4}q \right\}}{\left\{ \frac{1}{6}p + \frac{3}{4}q \right\}} = \frac{2}{1}$$

By solving,

$$\text{We get } \frac{p}{q} = \frac{5}{2}$$

**29. Ans. D**

**Exp:** Let the turn off time of A =  $p$  min.

Now we have case when the pipe was closed: we know that for the last 5 min B worked alone

hence  $\frac{5}{15} = \frac{1}{3}$ rd of the tank is filled by B alone.

If  $\frac{1}{3}$ rd of the tank is filled by B alone, then

$\frac{2}{3}$ rd of the tank is filled by A & B together

A and B can full the tank in

$$\frac{1}{12} + \frac{1}{15} = \frac{9}{60} = \frac{1}{T}$$

That means, in  $\frac{20}{3}$  mins A and B can fill the complete tank

Hence for the time for which A is on

=  $\frac{2}{3}$ rd of the tank filled

$$= \frac{2}{3} \times \frac{20}{3} = \frac{40}{9}$$

Hence answer is none of these.

**30. Ans. B**

**Exp:** Let the share of Ruma is  $p$  Then the share of Ashish is  $(61200 - p)$

Therefore,

$$p \times \left(1 + \frac{4}{100}\right)^{21-18} = (61200 - p) \left(1 + \frac{4}{100}\right)^{21-19}$$

$$\Rightarrow p \times \left(1 + \frac{4}{100}\right)^3 = (61200 - p) \left(1 + \frac{4}{100}\right)^2$$

By solving, we get  $p = \text{Rs. } 30000$

**31. Ans. B**

**Exp:** Let the share of A = Rs.  $P$

Let the share of B = Rs.  $q$

Therefore from the question, the equation for simple interest received by the two sons is as follows:  $\frac{(p \times 15 \times 3)}{100}$

$$\frac{2 \times (q \times 12 \times 5)}{100}$$

$$\Rightarrow \frac{p}{q} = \frac{(2 \times 12 \times 5)}{15 \times 3} = \frac{8}{3}$$

**32. Ans. C**

**Exp:** Let Mrs. Joshi's saving =  $3s$

Let Mrs. Joshi's expenditure =  $2s$

Therefore his initial total income becomes  $5s$

Now her income increases by 10 %

So, New income will be  $5.5s$

Her expenditure increases by 20 % and therefore Her new expenditure =  $3s \times 120\% = 3.6s$

Therefore her new saving is =  $5.5s - 3.6s = 1.9s$

$$\text{Percentage change in savings} = \frac{(1.9-2s)}{2s} \times 100$$

$$= 10\%$$

**33. Ans. B**

**Exp:** Total ways from A to C via B =  $3 \times 2 = 6$

Total ways from A to C directly = 2

Hence, Total ways =  $6 + 2 = 8$

**34. Ans. A**

**Exp:** Suppose that Samsung sells 100 laptops for Rs. 100 each.

So, total revenue = Rs. 10000.

Now its price is reduced by 3%, i.e. Rs. 97.

Hence, net revenue will become Rs. 9700.

In order to increase the revenue again to Rs. 10000, the company should increase its sales to:  $\frac{(10000)}{97} = 103.09$  laptops

% increase in sales: 3.09%.

**35. Ans. C**

**Exp:** Passage explains that —Mythology should be read as mythology, and therefore with a rich, and separate identity. Ancient myth-makers, among the Egyptians, Greeks, Indians, Chinese and others, saw myth as involving gods and the supernatural, so it is perhaps sensible not to confuse it with history or science.

This disproves options (a) and (b). It also opines that —a lot of magic in the fabric of mythology, woven into legendary tales with supernatural objects and supernatural powers.

This shows option (d) is also wrong.

Mythology is magic realism in the sense that there is some realism and a lot of magic in the fabric of mythology. This part in the passage proves that option (c) is the right answer.

**36. Ans. C**

**Exp:** It is stated in the passage —And when the myths enter into people's beliefs, mythology gets entangled with religion.

This explained option (c) is the right option. Other three options are not mentioned in the passage at all.

**37. Ans. A**

**Exp:** It's written in the passage that —Regulations intended to manage densities and discourage migration both limit the supply of land and require many households to consume more land than they would choose. This drives urban sprawl and pushes up the price of land and the cost of service delivery for all.

It explains,

why option (a) is the answer. There is no mention of options (b) and (c) in the passage. Regulations intended to discourage migration is the reason for limiting supply of land, not urban sprawl. There is no mention of regulations encouraging migration.

**38. Ans. A**

**Exp:** Passage says —they are bereft of normal property rights protections and their investments are thus far riskier than those of the well off.

So option (a) is the right option.

There is no mention of options (b) and (c) in the passage. Though informal settlement leads to their vulnerability, lack of awareness is the main reason for the risk.

So option (d) is also wrong.

**39. Ans. A**

**Exp:** Passage clearly mentions that —The poor and lower income groups must be brought into the mainstream in cities.

So option (a) is the right answer.

**40. Ans. D**

**Exp:** There is nothing mentioned about manufacturing of aircraft. So option (a) is wrong. Working whole night was not the

target set by the teacher. Thus, option (b) is also incorrect.

And there is no mention that the assigned task would take one month. One month's time was asked by the author from Prof. Srinivasan. So option (c) is also wrong.

Only (d) can be inferred from the passage. Prof. Srinivasan asked the writer to complete drawing of the design in three days' time for which author was asking one month.

**41. Ans. C**

**Exp:** Teacher didn't want to withdraw the scholarship if the student completed the task. Also, if teacher wanted to withdraw the scholarship then next morning he would not have come to the author's room.

He was not testing capability of the student too. Even option of eliminating the student from the project was not the intention as it is not mentioned in the passage. Here a similar explanation as option (a) will eliminate this option. So options (a), (b), and (d) are wrong.

Only (c) can be inferred from the passage that teacher was checking the seriousness of the student.

**42. Ans. B**

**Exp:** The scholarship was my lifeline and I would be quite helpless if it was withdrawn.|| This shows that the student was on a scholarship and his finances were depended on that. So option (b) is the right answer.

Protagonist was in MIT not IIT. So option (a) is wrong.

There is no mention of protagonist being interested in sports and no mention of him being a good team player. So options (c) and (d) are also wrong.

**43. Ans. B**

44. Ans. B

45. Ans. C

46. Ans. D

Exp: Reqd. Answer = p+c+m

47. Ans. C

Exp: Number of employees in Accounts

$$\text{Department} = \frac{8}{100} \times 4600 = 368$$

$$\text{Number of women in Accounts Department} = \frac{1}{4} \times 368 = 92$$

48. Ans. B

Exp: Total number of employees of HR and IT departments together =  $\frac{31}{100} \times 4600 = 1702$

49. Ans. C

Exp: Men in the Production Department

$$= \frac{15}{100} \times 4600 \times \frac{3}{5}$$

$$\text{Men in the Marketing Department} = \frac{22}{100} \times 4600 \times \frac{1}{2}$$

$$\text{Required Ratio} = \frac{15}{100} \times 4600 \times \frac{3}{5} : \frac{22}{100} \times 4600 \times \frac{1}{2}$$

$$= 3 \times 3 : 11 \times 1$$

$$= 9 : 11$$

50. Ans. C

Exp: No. of women in the Merchandising Department:

$$= \frac{18}{100} \times 4600 \times \frac{1}{6} = 138$$

$$\text{Required answer} = \frac{18}{4600} \times 100 = 3$$

51. Ans. C

Exp: Reqd. Answer:

$$\left[ \frac{11}{100} \times 4600 \times \frac{1}{2} + \frac{8}{100} \times 4600 \times \frac{3}{4} + \frac{15}{100} \times 4600 \times \frac{2}{5} + \frac{26}{100} \times 4600 \times \frac{1}{4} + \frac{22}{100} \times 4600 \times \frac{1}{2} + \frac{18}{100} \times 4600 \times \frac{5}{6} \right] :$$

$$\left[ \frac{11}{100} \times 4600 \times \frac{1}{2} + \frac{8}{100} \times 4600 \times \frac{3}{4} + \frac{15}{100} \times 4600 \times \frac{2}{5} + \frac{26}{100} \times 4600 \times \frac{1}{4} + \frac{22}{100} \times 4600 \times \frac{1}{2} + \frac{18}{100} \times 4600 \times \frac{5}{6} \right]$$

$$= (5.5+6+9+6.5+11+15):(5.5+2+6+19.5+11+3)$$

$$= 53:47$$

52. Ans. B

Exp: The series contains alphabets numbered 1, 2, 3, 4.....etc. from the beginning.

In this sequence upto 13 there will be:

$$\frac{13 \times (13+1)}{2} = 91 \text{ letters}$$

100th letter will be  $100 - 91 = 9^{\text{th}}$  from the beginning.

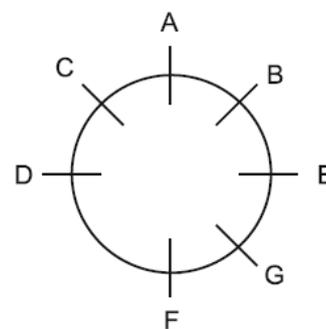
Thus, 100<sup>th</sup> letter will be 'I'.

53. Ans. D

Exp: District A & B are showing a fixed behaviour, while C is showing 3 distinct behaviours but District D shows two different types of behaviour because firstly, the graph is increasing proportionally and then constant throughout the increasing population.

Solutions (Q. No. 54-55):

According to the given information, seven members can be arranged as



54. Ans. C

Exp: DC is the only pair in which first member is not sitting to the immediate right of the second member.

55. Ans. D

Exp: To the immediate right of G.

Solutions (Q. 56-57):

	Intelligent	Hardworking	Honest	Ambitious
Kush	✓	✓		✓
Ganesh	✓			✓
Hari	✓		✓	
Ram		✓	✓	
Jivam		✓	✓	✓

56. Ans. C

Exp: Hari is neither hardworking nor ambitious.

57. Ans. B

Exp: Ganesh is neither honest nor hardworking but is ambitious.

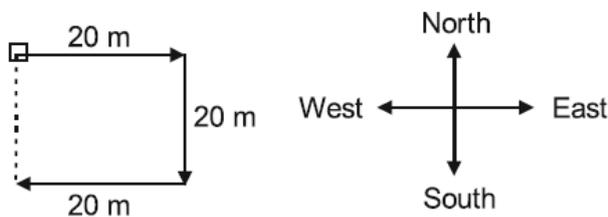
58. Ans. C

Exp: Younger of the two brothers of the daughter of my father's wife (as my father's wife = my mother)

So, younger of the two brothers of the daughter of my mother (as daughter of my mother = my sister). So, younger of the two brothers of my sister means 'my younger brother'. Hence, that boy is the younger brother of Babu.

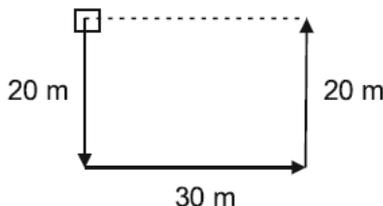
59. Ans. C

Exp: From Statement I



Mohan is 30 m away from the starting point.

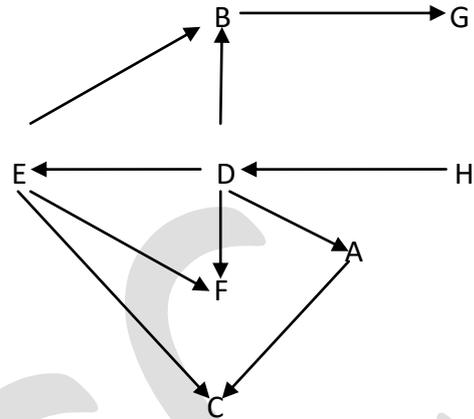
From Statement II



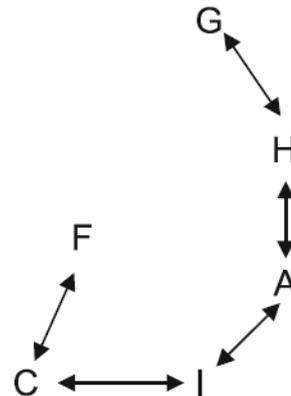
Mohan is 30 m away from the starting point.

Solutions (Q. No. 60-63):

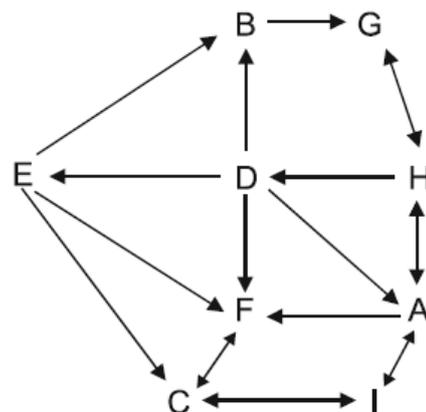
The given one-way routes between the cities can be represented as



The given two way routes between the cities can be represented as



On combining the above routes, we get



60. Ans. C

Exp: The possible ways from G to I are

- (i) G-H-A-I
- (ii) G-H-A-F-C-I
- (iii) G-H-D-A-I
- (iv) G-H-D-A-F-C-I

- (v) G-H-D-E-C-I
- (vi) G-H-D-E-F-C-I
- (vii) G-H-D-F-C-I

So, there are seven possible ways.

**61. Ans. C**

**Exp:** As there is only 1 one-way route from D to E which is the only way to reach E. So, if no one is allowed to pass through city D, then the person cannot reach city E.

**62. Ans. D**

**Exp:** The largest possible route is

E-B-G-H-D-A-F-C-I

So, the person can go to 7 cities (B, G, H, D, A, F and C), excluding the cities from which he starts and at which he ends his journey.

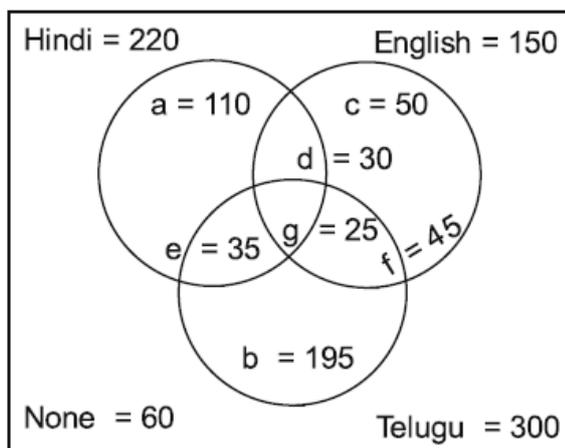
**63. Ans. A**

**Exp:** There are four possible ways

- (i) D- A-F
- (ii) D-F
- (iii) D-E-F
- (iv) D-B-G-H-A-F

**64. Ans. C**

**Exp:**



Number of people, who speak atmost one language

$$= a + b + c + \text{None}$$

$$= 110 + 195 + 50 + 60 = 415$$

**65. Ans. D**

**Exp:** The statement “The world today produces enough grain alone to provide every human being on the planet with thirty-five hundreds calories a day.” makes it evident that the world has enough food for everyone, which in turn implies that hunger can be eradicated.

This means that statements (1) and (2) are implied.

However, the passage starts off by quoting how many people go hungry and/or are malnourished. In fact, the additional data given to show how much food is present is simply to illustrate the injustice of having a hunger crisis despite food being available. Hence, statement (3) is also implied. Hence, the correct answer is option (d).

**66. Ans. C**

**Exp:** One of the meanings of “systemic” is ‘common’ - this is the only meaning that fits in the context. Statistics in the passage indicate the enormous number of people who are hungry - one can therefore deduce the meaning of systemic to be “common”. The passage does not compare hunger as per different systems (presumably capitalist, communist etc) or due to certain political systems. It focuses on the prevalence of hunger. Hence, the correct answer is option (c).

**67. Ans. A**

**Exp:** The passage “Over 8 million people (roughly the population of New York City) died from hunger in that same year (almost 6 million of them were children)”.

When calculated, this implies that 75% of the hunger-related deaths in that year are of children. Hence, statement (1) is correct.

Consider the following extract from the passage: “This year, around one billion people (one in seven of us) were acutely hungry. Their calorie intake was too low to meet even the most basic requirements for life. Existing in unjust purgatory between life

and death, these individuals were joined by a further 1.5 billion who lacked the essential micronutrients to experience a baseline of health and activity". This combination of 1 billion and 1.5 billion means that 2.5 billion people are hungry or undernourished. Hence, statement (2) is correct.

Statement (3) is incorrect as the passage only states that statistics related to hunger are not immediately available as in the case of war or natural disaster.

In fact the contrary is true as the writer himself quotes several statistics – which are easily available.  
Hence, the correct answer is option (a).

**68. Ans. A**

**Exp:** Statement (1) is given directly in the passage. It is mentioned that the grain production itself is enough to make most people fat.

Statement (2) is incorrect as the writer himself defines hunger quite clearly as "their calorie intake was too low to meet even the most basic requirements for life". This implies that hunger can be defined and even measured in terms of calorie intake.  
Hence, the correct answer is option (a).

**69. Ans. B**

**Exp:** According to the passage, "... woodland edges were acting as ecological traps for some songbirds, attracting high densities of reproductive individuals whose nests were then subjected to increased rates of predation and parasitism ...", which vindicates option (b) as the correct answer.

Option (a) can be eliminated from "Therefore, ecological traps occurring at habitat edges may interact synergistically with such losses, and can become more severe as habitat fragmentation progresses.", which implies that habitat fragmentation leads to the development of ecological traps.

Option (c) can be ruled out from "Although ecological traps were first described 30 years ago, it is only in the past couple of years that ecological traps have received extensive theoretical treatment."

Option (d) is incorrect. Though the passage mentions "This maladaptive habitat selection is generally attributed to a change in an organism's environment that is outside of their evolutionary experience ...", this does not provide sufficient data to term ecological traps as "evolutionary experiences".

Hence, the correct answer is option (b).

**70. Ans. D**

**Exp:** According to the passage, "This maladaptive habitat selection is generally attributed to a change in an organism's environment that is outside of their evolutionary experience and leads individuals to use misleading cues of habitat quality".

The change in an organism's environment cannot be attributed to the lack of availability of superior quality habitats. It is impossible to determine on the basis of the data given in the passage if the lack of availability of superior quality habitats leads organisms to selecting poor quality habitats. Hence, statement 1 is not a valid assumption. Eliminate options (a) and (c).

Statement 2 cannot be validated from the data in the passage which limits itself to "Recent models suggest that ecological traps can lead deterministically to population extinction ...". Eliminate option (b).  
Hence, the correct answer is option (d).

**71. Ans. C**

**Exp:** 19, 2, 57, 3, 228, 4, ?

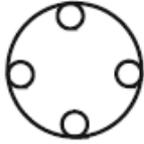
The sequence is a combination of two series.

19  $\xrightarrow{\times 3}$  57  $\xrightarrow{\times 4}$  228  $\xrightarrow{\times 5}$  1140

2, 3, 4, 5....

72. Ans. A

Exp: In figures I and II, the figure outside went to inside, similarly in figures III and IV. In figure IV, the circle must be inside the big circle at the same position.



(a)

73. Ans. B

Exp:

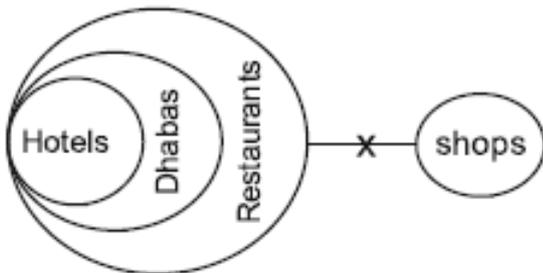
$$18 \times 3 + 6 = 60$$

$$60 \times 3 + 6 = 186$$

$$1698 \times 3 + 6 = 5100$$

74. Ans. B

Exp:

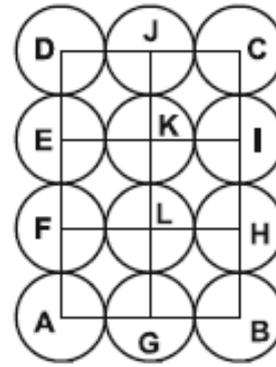


75. Ans. C

Exp: As,  $(5 \times 4) + (3 \times 2) + 2 = 28$   
 Same as,  $(8 \times 4) + (8 \times 1) + 2 = 42$   
 Hence, 1 will be come in place of question mark

76. Ans. C

Exp:



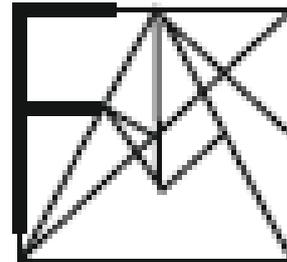
Number of squares formed = AFLG, GBHL, LHIK, FLKE, KICJ, KEJD, AEIB, FHCD

So, total of 8 squares will be formed.

77. Ans. B

Exp: It is clear from the given option that, figure

(b) has the above figure embedded in it.



78. Ans. B

Exp: Statement (1) can be inferred as the passage states that corporate social responsibility helps improve the firm's reputation among customers so that they continue to use the company's products and services. Thus, it is likely to increase the goodwill as well as sales.

Statement (2) contradicts the passage as the passage clearly mentions that corporate social responsibility represents direct efforts by a company to improve social aspects rather than its integral responsibilities with respect to primary stakeholders.

Statement (3) is described in the passage, which says that corporate social responsibility initiatives help achieve a

company's core mission and strategies by providing a socially beneficial foundation.

Hence, statements (1) and (3) are valid benefits. Hence, the correct answer is option (b).

**79. Ans. B**

**Exp:** The passage shows how a company and/or a community can benefit through corporate social responsibility initiatives. However, there is no evidence to support the assumption that the well-being of either the company or the community depends on such initiatives.

The passage clearly mentions that strategic corporate social responsibility initiatives are closely linked to strategic philanthropy and cause marketing and that they help achieve a company's core mission. Hence, statement (2) is a valid assumption. Hence, the correct answer is option (b).

**80. Ans. C**

**Exp:** According to the passage, "These ways range from helping local schools improve so that, long term, the workforce will be better educated, to improving local conditions in the community ...". This points towards option (c) as the right answer.

Option (a) is incorrect since the passage mentions a company is perceived to be more socially responsible through increased use of the company's products and services that are tied to donations to specific charitable organizations, rather than necessarily founding such organizations.

Option (b) is not aimed towards the community but towards the firm itself. Hence, the correct answer is option (c).