



All India Civil Services Coaching Centre

(Under the aegis of Government of Tamil Nadu)

Answer Key Explanation

Test 10 – CSAT Paper II

Maximum Questions: 100

Maximum Marks: 200

1. Ans. A

Exp: The passage mentions that political ideologies and mindsets have also hampered domestic industry and economic growth. This also contributed in maligning concepts like profit-making and enterprise and framing policies and laws accordingly.

Hence, it can be validly concluded that governments, organisations like trade unions and workers themselves need a mindset change, along with laws, to improve productivity. Hence, statement (a) can be concluded.

The passage just mentions that labour policies were exceedingly worker-centric in the 70s and 80s but this cannot be used to conclude that private companies did not set up business in India in this period. Hence, statement (b) cannot be concluded.

The whole gist of the passage is that worker-centric labour policies have hindered India's goal of improving its manufacturing sector. Hence, statement (c) cannot be concluded.

The passage mentions that before independence, concepts such as labour rights, trade unions and freedom of association were suppressed. This implies that there were labour laws in place, but they were oppressive. Hence, statement (d) cannot be concluded.

Hence, the correct answer is option (a).

2. Ans. D

Exp: The passage mentions that labour laws have not been amended or reformed, thereby making them obsolete w.r.t.

contemporary business. Hence, statement (a) is not true.

The passage gives multiple examples of low labour productivity due to archaic labour laws. Hence, statement (b) is not true.

According to the passage, labour activism became a part of the civil disobedience movement, rather than interfering with it. Hence, statement (c) is not true.

Hence, the correct answer is option (d).

3. Ans. D

Exp: The relation between India's exports and its labour force is not elaborated upon in the passage. As such, it cannot be said whether exports will help create jobs. Hence, statement (a) cannot be concluded.

The passage mentions that India's farm exports face constraints due to political considerations and interference. Hence, statement (b) cannot be concluded. Hence, the correct answer is option (d).

4. Ans. A

Exp: The passage mentions that rice might be one of the products that is not allowed to be exported under the consideration of being essential. Since the passage argues against this practice, there is a lot of potential to increase rice exports if such artificial tags such as "essential commodity" are removed. Hence, statement 1 is correct.

The passage does not claim that cereals are over-promoted. It just states that certain products are restricted in terms of exports. Hence, statement 2 is not correct.

The passage gives the example of rice to show farmers got lower value for their crops due to quantitative restriction on export of rice. Hence, it argues for removal of such restrictions. Hence, statement 3 is not correct.

Hence, the correct answer is option (a).

5. Ans. A

Exp: While the passage mentions that India needs to focus more on utilising its natural strengths in renewables, it also says that solar need not be setup in large scale, grid connected situations only. Thus, India may be able to tackle the problem even without improving its grid capacity. Hence, statement 1 is not correct.

The passage mentions that there is already energy shortfall and this is expected to increase if no new energy is produced. Also, since the passage emphasises on "renewable" energy, it implies that the conventional fuel sources are not renewable and may go out of stock sooner or later. Hence, statement 2 is correct.

Though the passage focuses on the need and benefit of renewable energy sources, it does not discuss the financial aspects of the same. Hence, statement 3 is not correct.

Hence, the correct answer is option (a).

6. Ans. A

Exp: Numbers are 8 and 12

7. Ans. C

Exp: The passage is about securitization of certain issues by politicians and decision-makers. The passage says, these 'securitising actors' constitute political issues as extreme security issues (which are to be dealt with urgently) for political reasons. But, in reality these issues may not be that urgent. Thus, option (C) is the correct inference.

The concept of securitization discussed in the passage is due to politicization. Author says, due to politicization, some issues are given over-attention. This does not imply that

actual security issues are neglected. Thus, national security may or may not be at risk. Hence, option (A) is incorrect.

About securitising actors, the author only says that they are socially and institutionally powerful. But, the passage nowhere even indicates about reducing their power. Hence, option (B) is incorrect.

Political issues should never be dealt with urgency as they are not security threats, is again not the correct inference. Issues that are politicized may also be security threats, but there may be other non-politicized issues as well. Hence, option (D) is also incorrect.

8. Ans. D

Exp: As per the passage, AQR is a random process and not a periodic process, wherein RBI inspects balance sheets of banks to find genuine nature of bank assets. Thus, Statement 1 is incorrect.

Similarly, the second statement is also incorrect because under AQR, RBI selects certain banks randomly and all commercial banks do not undergo process of AQR (unlike Annual Financial Inspection). Thus, Statement 2 is incorrect.

First half of third statement is correct which says, as a result of AQR, RBI found higher levels of asset quality deterioration and banks were hiding the bad assets. But, nowhere it is given that RBI took strong action for this against the banks. Thus, Statement 3 is also incorrect.

9. Ans. A

Exp: As per the passage, RBI had a strong notion that some of the banks are under-reporting their NPAs. As a result of AQR, RBI found that actual bad assets are higher than actually reported by banks. Further, it is also given that several banks resort to practices like 'evergreening' of accounts or postponing bad-loan classification etc. to hide bad assets.

Obviously, it all means that banks may feel that hiding bad assets rather than disclosing it to RBI is in their interest. Thus, 1st statement is correct.

Second statement is not a valid assumption. RBI conducted AQR to find out actual status of bad assets and they turned out to be more than reported. AQR may lead to improvement in financial health of banking system with positive spill over effects on overall economy in the long run.

Thus, statement 2, which says AQR is NEVER in the interest of RBI or overall economy, is incorrect. Note that higher levels of bad assets may not be in the interest of RBI and overall economy but getting to know about them (keyword here is 'finding') surely is.

Third statement is also not a valid assumption. Previously we have seen banks resort to various practices to hide bad assets. One such practice is postponement of mortgage payments. Thus, its purpose will be to HIDE the bad assets of the banks, not increase bad assets.

10. Ans. D

Exp: As per the given passage, a nominated member cannot join a political party after the expiry of six months from the date of nomination. Thus, a nominated member can join a political party within the first 6 months. Hence, statement 1 is incorrect.

Disqualification on grounds of defection in India applies not only to the elected members but also to the nominated members of the house. Hence, statement 2 is incorrect.

As per the passage, there are different conditions of defection for different members (elected and nominated). But, both these types of members are differently placed, that is why there are different conditions. Thus, this provision, would most likely, not lead to discrimination and misuse of the provisions in any way.

However, exceptional situations may rise. Anyways, passage nowhere indicates that this always lead to discrimination and misuse of the provisions. Hence, statement 3 which says that different conditions of defection ALWAYS leads to discrimination, is also incorrect.

Hence, option (D) is the most appropriate.

11. Ans. A

Exp: The passage does not talk about energy intensity of global North. Also, we cannot say that global North cannot be blamed for environmental degradation. Thus, statement 1 is incorrect.

In addition to the opening statement, through the data given by UNDP (in 2nd paragraph), the author shows that lifestyle in developed North is luxurious, which is contributing to global climate degradation.

So, developed and highly industrialised global North is definitely responsible for present environmental degradation, though there may be other contributing factors and players too. Thus, statement 2 is correct.

The author clearly says that both developed North and developing South suffer from impacts of climate change. Author, also, says that poor and developing countries are more vulnerable.

Therefore, saying that both developed north and developing South are at equal risk would be incorrect.

Thus, statement 3 is incorrect.

12. Ans. D

Exp: After re-arranging the given letters in correct order we find that the name of the scheme is UJJWALA.

UJJWALA→1,3,2,4,7,6,5 (There can be other combinations also, since letters A and J occur twice)

Hence option (D) gives us the correct sequence of letters. Since, the letters A and J appear twice, multiple arrangements are possible. Option (D) gives one such arrangement.

Note: Under UJJWALA Yojana, the government aims to provide LPG connections to BPL households in the country.

13. Ans. B

Exp: Total number of players in the sports facility = 60

The break-up of number of players for each sport in the facility is as follows.

Number of Cricket Players = $(1/3) \times 60 = 20$

Number of Boxers in the facility = $(1/3) \times 60 = 20$

Number of Soccer players in the facility = $(1/4) \times (60 - 20 - 20) = (1/4) \times 20 = 5$

Number of Tennis players = $60 - (20 + 20 + 5) = 15$

Hence, number of Tennis players in the facility = 15

14. Ans. C

Exp: Statements (1) and (2) are supported by the passage in "These practices ... ensure adequate minerals." Statement 1 corresponds to "... planting perennial forages in rotation with other crops ..." and statement 2 corresponds to "... adding lime and other natural rock dusts to manage pH and ensure adequate minerals.".

Statement (3) is incorrect since poor quality livestock feed is described as one of the problems that the early organic farming movement aimed to find a solution to and is not described as a practice in organic farming. This eliminates options (b) and (d).

Statement (4) is supported by "A soil management strategy called humus farming

emerged, which employed traditional farming practices that not only conserved but also regenerated the soil." Eliminate option (a).

Hence, the correct answer is option (c).

15. Ans. B

Exp: According to the passage, soluble fertilizers "... led to imbalanced plant nutrition and "luxury consumption," which reduced food and feed quality."

This supports option (b) alone among the given options. Options (a), (c) and (d) have been attributed to synthetic fertilizers and not soluble fertilizers. This eliminates options (a), (c) and (d).

Hence, the correct answer is option (b).

16. Ans. C

Exp: Statement (1) can be inferred from - "The soil food web ... nutrition to crop plants." Therefore, statement 1 is correct. Statement (2) too, can be inferred from "They embraced a holistic ... called humus."

This eliminates option (a). Statement 3 has been mentioned as an action of soluble fertilizers and not for the purpose of "feeding the soil." This makes statement (3) incorrect eliminating options (b) and (d).

Hence, the correct answer is option (c).

17. Ans. C

Exp: Option (a) is incorrect as "deserving population" is a vague term which has not been adequately defined by the passage. Deserving in what manner is not mentioned.

Option (b) is incorrect as it has no supporting data. Secondly, the issue is not just to understand problems but also to alleviate them. Also, the focus is to identify the 'very poor' and improve their condition.

Option (d) is incorrect because simply understanding the problems of the lowest 20 – 30 percent population who are poor is not sufficient. The government must distribute effective aid to this segment.

Option (c) correctly captures all aspects of the real reason - to determine who exactly is poor so that effective aid can be given to them.

Hence, the correct answer is option (c).

18. Ans. D

Exp: The passage mentions China to show that even a state that is described as a welfare state needs a poverty line to aid its most poor. This is best described in option (d).

The efforts put in by China in this regard are not described at all. Also, there has been no comparison made of the relative efforts or achievements of China and India on these fronts. Hence, options (a), (b) and (c) are invalid.

Hence, the correct answer is option (d).

19. Ans. A

Exp: The passage states that poor people have to be identified in order for them to receive aid. Therefore, statement (1) is correct.

Statement (2) is correct. The passage mentions specific anti-poverty programs that provide "relief to poor". The figure of 75% quoted in the passage is actually as a result of "sham outrage" and therefore can be ignored. Hence, statement (3) is incorrect.

Hence, the correct answer is option (a).

20. Ans. D

Exp: Statement (1) can be inferred from "The proposed law wants companies to give financial statements that consolidate the numbers of all their subsidiaries, including associates and joint ventures.". This eliminates option (c).

Statement (2) is supported by "It also wants them to put out their cash-flow statement, which is the place to find how much of a company's cash came from operations and how much from external financing." This eliminates option (b).

According to the passage, "Other changes proposed include seeking shareholder approval when a director of the company or its holding company or subsidiary acquires assets from the company for a non-cash consideration."

This makes statement (3) correct and eliminates option (a). Statement (4) can be inferred from "In order to identify the ultimate beneficiary, the new legislation proposes to restrict the number of layers of investment companies to two."

This vindicates option (d). Hence, the correct answer is option (d).

21. Ans. D

Exp: According to the passage, "Information is a currency, and the new bill on corporate governance in the private sector looks to put more of it in the public domain, particularly related to unlisted and privately held companies"; it details the kind of information that will now have to be made available by private companies in the public domain.

Hence, option (d) accurately captures the crux of the passage. The other options are factually correct but do not touch upon the essential foundation of the passage.

Option (c) is true but misleading; it is too general to be the basic observation of this passage.

Hence, the correct answer is option (d).

22. Ans. B

Exp: The passage pertains to corporate governance in the private sector and hence, does not make a judgement on the public sector. This makes statement (1) an invalid assumption. Eliminate options (a) and (c).

According to the passage, "In order to identify the ultimate beneficiary, the new legislation proposes to restrict the number of layers of investment companies to two."

This will lead to more information being made available in the public domain, which the passage assumes, would improve corporate governance as indicated in - "Information is a currency, and the new bill on corporate governance in the private sector looks to put more of it in the public domain, particularly related to unlisted and privately held companies." This makes statement (2) a valid assumption and vindicates option (b).

Hence, the correct answer is option (b).

23. Ans. D

24. Ans. C

Exp: Vowels: E, I, O, U, Consonants: N, V, L, T

Reqd. Answer: $4C3 \times 4C2 \times 5P5$

$= 4 \times 6 \times 120 = 2880$

25. Ans. D

Exp: Efficiency A:B is 3:1

Time A : B is 1: 3

$$E \propto \frac{1}{T}$$

In terms of Efficiency,

$$A = 3B$$

$$A + B = 9 \text{ days}$$

$$3B + B = 9 \text{ days}$$

$$4B = 9 \text{ days}$$

$$B = 9 \times 4 = 36 \text{ days}$$

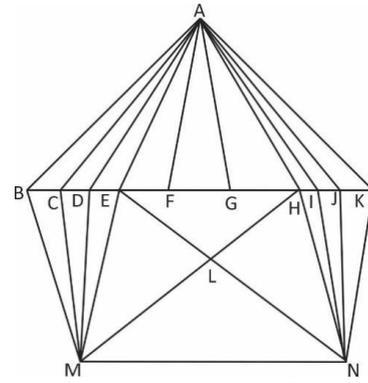
Since no. of men is inversely proportion to no. of days for same piece of work B alone take 36 days.

So, A will do it in 12 days

26. Ans. C

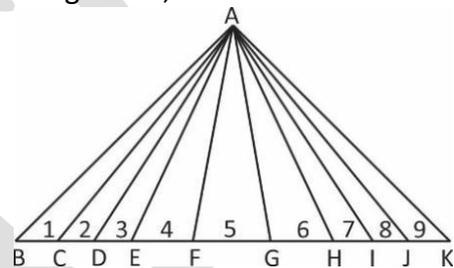
27. Ans. D

Exp:



To count the number of triangles in the given figure, we can break the given figure into 4 parts i.e. triangle ABK, triangle KNH, triangle BEM and quadrilateral MNHE.

In triangle ABK,



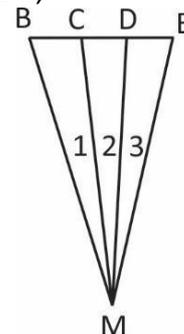
Number of triangles in triangle ABK = $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 = 45$ triangles

In triangle HKN,



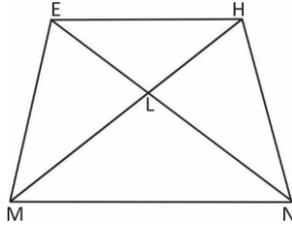
Number of triangles in triangle HKN = $1 + 2 + 3 = 6$ triangles

In triangle BEM,



Number of triangles in triangle BEM = $1 + 2 + 3 = 6$ triangles

In quadrilateral MNHE,



Number of triangles in quadrilateral MNHE = 8 triangles

(LEM, LEH, LHN, LMN, MEH, MHN, MEN, EHN)

On assembling the four parts,

We get 6 additional triangles (which are BMH, CMH, DMH, ENK, ENJ, and ENI).

Hence, total number of triangles = $45 + 6 + 6 + 8 + 6 = 71$ triangles.

28. Ans. D

Exp: A @ B means B is the grand-daughter of A.

A & B means A is the son of B.

A * B means B is the father of A.

Therefore, P & Q * R @ S can be represented as



From the family tree diagram it is clear that R is the grandfather of P.

Hence, option (D) is the correct answer.

29. Ans. A

Exp: Given series is: 5C, 14F, 29I, 50L, ?, 110R, 149U

From the above series, it is clear that each element is a combination of an alphabet and a number.

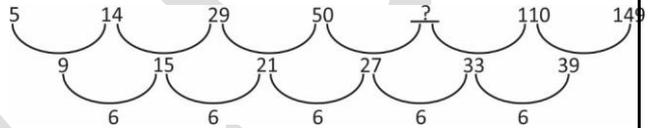
Pattern of letters:

Every next letter in the series is three places ahead of the previous letter in the English alphabetic series.

C + 3 = F; F + 3 = I; I + 3 = L; L + 3 = O; O + 3 = R; R + 3 = U

Therefore, required letter will be O.

Pattern of numbers:



The required number is 77.

Hence, the missing element is 77O.

Hence, option (A) is the correct answer.

30. Ans. A

Exp: As A is a female, we can eliminate option (D), i.e. brother, straightaway. Now, as A share the same relation with B and C that B shares with C, they must belong to the same generation.

Hence, we can rule out options (B) and (C) too.

31. Ans. D

Exp: Area of coffee shop = 5 metre × 4 metre = 20 square metres

Area of one tile = 0.2 metres × 0.2 metre = 0.04 square metres

Number of tiles required = Area of rectangular region / Area of one square tile = 20 square metres / 0.04

square metres = 500

Therefore, total cost of fitting the tiles = number of tiles × cost of fitting 1 tile = $500 \times 40 = \text{Rs. } 20,000$

Hence, option (D) is the correct answer.

32. Ans. A

Exp: Total manufacturing cost of original product = $80 \times 1200 = \text{Rs. } 96,000$

Revenue generated from selling original product = $100 \times 1200 = \text{Rs. } 120,000$

Monthly Profit = $120,000 - 96,000 = \text{Rs. } 24,000$

Per unit manufacturing cost of improved product = $80 \times 110/100 = \text{Rs. } 88$

Total manufacturing cost of improved product = $88 \times 2100 = \text{Rs. } 184,800$

Revenue generated from selling improved product = $100 \times 2100 = \text{Rs. } 210,000$

New monthly Profit = $210,000 - 184,800 = \text{Rs. } 25,200$

Therefore, increase in manufacturer's profit per month with the improved product = $25,200 - 24,000 = \text{Rs. } 1,200$

Hence, option (A) is the correct answer.

33. Ans. A

Exp: Quality-wise order: It is given that quality of Alphonso is better than Neelam, which is in turn better than Badami.

Alphonso > Neelam > Badami

Now, quality of Badami is better than Dasherri and quality of Kesari is the worst.

Hence, quality wise they will be in the following order:

Alphonso > Neelam > Badami > Dasherri > Kesari

Supply-wise order: It is given that Kesari is the highest supplied mango and Dasherri is 2nd lowest supplywise.

Kesari > ----- > ----- > Dasherri > -----

Now, Neelam is supplied more than Alphonso and Badami is supplied more than Neelam.

Hence, the decreasing order of their supply will be as follows:

Kesari > Badami > Neelam > Dasherri > Alphonso

Demand-wise order: It is given that Dasherri is more in demand than Alphonso and Alphonso is more in demand than Neelam.

Dasherri > Alphonso > Neelam

Also, Neelam is more in demand than Badami, while Kesari is the variety least in demand.

So the decreasing order of their demand will be:

Dasherri > Alphonso > Neelam > Badami > Kesari

We can see from above that quality of Alphonso is the best.

34. Ans. C

Exp: Alphonso is supplied the least.

35. Ans. B

Exp: Demand of Neelam is 3rd highest.

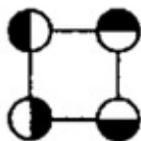
36. Ans. C

Exp: The shaded and light parts of each circle in 1st figure inverse (interchange each other's positions) to give us the 2nd figure.

Then both circles on right side simply interchange positions with left side circles without inversion of shaded parts to give us the 3rd figure.

Then again the shaded and light parts of each circle in 3rd figure inverse their positions to give us the 4th figure.

So, circles on right should exchange positions with circles with left without inversion in 4th figure again to give us the 5th figure.
Figure under option (C) fits the bill to a T.



37. Ans. B

Exp:

R1 : 16 18 22 26
R2 : 8 9 10 13
R3 : 20 16 10 11
R4 : 28 25 22 ?

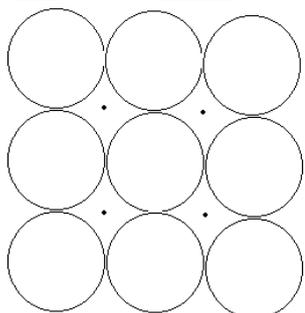
The pattern is: $R1 + R3 - R2 = R4$

$16 + 20 - 8 = 28$
 $18 + 16 - 9 = 25$
 $22 + 10 - 10 = 22$
 $26 + 11 - 13 = 24$

Hence, option (B) is the correct answer.

38. Ans. A

Exp: The best method to solve such questions is to visualize the problem set. Even figures may be drawn to help the visualization process, as shown below:



We can see that in case of 3x3 matrix, four (i.e. 2x2) cavities (shown as dots in the above figure) are obtained. Thus the next layer will have 4 balls. In that layer only one cavity will be there (i.e. 1x1).

Hence, the layer above it will have only one ball. It will be the topmost layer.

So, a pattern is clearly visible. A layer having $n \times n$ balls will have $(n-1) \times (n-1)$ cavities and an equal number of balls in the layer above it.

39. Ans. C

Exp: Here also we will have to recognize the pattern.

In case of 4 balls at the bottom layer (i.e. 2x2 matrix), we can have only one more layer above it.

So, the number of layers = 2.

In case of 9 balls at the bottom layer (i.e. 3x3 matrix), we can have two more layers above it.

So, the number of layers = 3.... and so on.

We can generalize that if the bottom layer has the balls arranged in $n \times n$ matrix, there will be n total number of layers formed (including the bottom layer and the topmost layer having only one ball).

40. Ans. C

Exp: If 1 is adjacent to 2, 4 and 6 then either 3 or 5 lies opposite to 1. So, the numbers 3 and 5 cannot lie opposite to each other. Hence, 3 necessarily lies adjacent to 5. Hence, option (C) is the correct answer.

41. Ans. B

Exp: In the graph no information regarding amendment procedures has been given. Hence, statement 1 is incorrect.

On observing the sheer number of amendments made, we can conclude that Indian constitution is quite flexible and evolves like an organism with time. Hence, statement 2 is correct.

42. Ans. B

Exp:

Cost of one air conditioner = Rs. 30000

Cost of two air conditioners = $2 \times 30000 = \text{Rs. } 60000$
Hence, loan amount = Rs. 60000 and Interest rate = 10%

\therefore Amount after first year = $60000 + 10\%$ of $60000 = \text{Rs. } 66000$

After first installment, amount left = $66000 - 16000 = \text{Rs. } 50000$

Amount after second year = $50000 + 10\%$ of $50000 = \text{Rs. } 55000$

After second installment, amount left = $55000 - 20000 = \text{Rs. } 35000$

Hence, amount to be paid at the end of third year = $35000 + 10\%$ of $35000 = \text{Rs. } 38,500$

43. Ans. B

Exp: Given: $x + y = 36$

Statement 1: Taking $x = 37$ and $y = -1$

$$x + y = 37 + (-1) = 36$$

Hence, statement 1 is not true because one of x or y can be negative.

Statement 2: Taking $x = 35$ and $y = 1$

$$x + y = 35 + 1 = 36$$

Hence, statement 2 is not true because y can be positive even if x is positive.

Statement 3: It must be true because y has to be positive if x is negative. Only then their summation can be positive.

For example, taking $x = -12$ and $y = 48$

$$x + y = -12 + 48 = 36$$

Hence, option (B) is the correct answer.

44. Ans. B

Exp: On observing the given series, we find that each term is a date of calendar.

Difference between the given dates in the series is consecutive prime numbers starting from 13, as shown below:



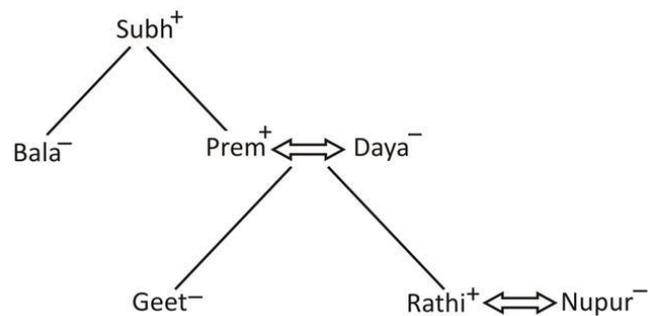
Since 2020 is a leap year, so in February 29 days will be there. On adding 23 days to 11/2/20, we get

March 5th, 2020 (i.e. 5/3/20).

Hence, option (B) is the correct answer.

45. Ans. D

Exp: Family tree diagram has been shown below:



By looking at the above family tree diagram, we can conclude that Geet is the niece of Bala.

Hence, option (D) is the correct answer.

46. Ans. D

Exp: The path taken by the woman has been depicted below:



Y is walking towards the west direction at last.

Hence, option (D) is the correct answer.

47. Ans. C

Exp: Option (A) is incorrect. Option (A) represents the ethnocentric approach, not cultural relativist approach.

Under ethnocentric approach, one judges or forms stereotypical images of the cultures of other communities based on one's own norms, values, or beliefs.

Option (B) is incorrect. Author is not talking about SOMEHOW tolerating (which has an element of compulsion) others' practices even if one does not like them. In the conclusion, the author says, cultural relativism is about not judging other cultures. One who does not judge will voluntarily appreciate diversity of cultures, not barely tolerate them.

Option (C) is correct. In conclusion, the author says cultural relativist approach is about not judging the cultural practices of groups that are different to yours. For this, it is required we understand the cultural practices of other groups in their own cultural context. Doing this requires a sense of empathy towards other cultures. This statement best captures the essence of cultural relativist approach.

Option (D) is incorrect. First of all, the author talks about food habits as just one aspect of culture. Thus, agreeing to eat dried squid or insects cannot be all about cultural relativist approach. Further, author quotes eating dried squid or insects as an example to simplify relatively complex concepts like cultural relativism and ethnocentrism.

Cultural relativism is simply about not judging others for their cultural preferences, not about eating particular foods like squids or insects.

48. Ans. A

Exp: Statement 1 is incorrect. Author mentions several factors in favour of sons, like – only sons can perform last rites,

inheritance runs through male line etc. Hence, it would be incorrect to say that absence of dowry for son is the ONLY reason why they are not considered a burden.

Statement 2 is correct. The author says, certain practices like - only the son performing the last rites, lineage and inheritance running through male line, notion of sons looking after parents in old age etc. are prevalent. Due to these cultural practices that are biased in favour of men, a son is preferred and a daughter is considered as a burden. Thus, we can say that such cultural practices are contributing to the low status of women in society.

Statement 3 is incorrect. In conclusion, the author says that various cultural practices have added fuel to the fire in which 'the female gets burnt'. 'The female gets burnt' has a symbolic meaning here – women end up being marginalised. Author is not talking about the practice of Sati or burning of women in literal sense.

49. Ans. D

Exp: Option (A) is incorrect. The focus of the author is not on office work. In fact, the author tries to say that one will never regret on death bed that she did not do enough office work. Thus, there are other things which are more important than office work. Also, it would be incorrect to say that it is the source of ultimate satisfaction to EVERYONE.

Option (B) is incorrect. Author says, presently we miss events like school sports days for trivial reasons.

She intends to say that these events form a part of our memory which we cherish in future. However, this does not mean that attending these events should be made legally mandatory. People may have emergency situations rendering them unable to attend such events.

Option (C) is incorrect. This is a very far-fetched statement. Author says, she

remembers every sport day and certificate presentation she missed. She may have been able to attend some. Hence, it would be incorrect to say that author has missed each and every sport day and certificate presentation in school.

Option (D) is the correct inference. Author quotes events like sports day and certificate presentation to highlight the importance of life beyond our office. Attending these events might not have any material advantage, however, they give immense satisfaction. The whole idea is that work-life balance is important for a joyful life.

50. Ans. A

Exp: Statement 1 is incorrect. In this passage, author has talked about the fast foods as an example to show how our habits influence our choices. Health aspects of fast food are nowhere indicated in the passage. From the tone of the passage, one can easily infer that fast foods cannot be QUITE HEALTHY.

Statement 2 is incorrect. Through the example of fast foods, author intends to establish a subtle relationship between our habits and our preferences. Design of fast food logos is nowhere in the scope of this passage.

Statement 3 is correct. After citing the example of fast food, the author says it is necessary to cultivate the habits that send us in the right direction. They will help one to lead a more meaningful and fulfilling life.

Thus, the inference that one should be careful in choosing one's pursuits because our habits shape our lives is a correct one.

51. Ans. B

Exp: Statement 1 is incorrect. The passage says, each and every thing in this spacio-temporal world is only a dim shadow of those eternal ideas or realities. Thus, for author, the IDEAS ARE A REALITY and the material things in this world are the shadow of these ideas.

Statement 2 is correct. In conclusion the author says, a man is also an IMPERFECT copy of its relative idea of man. That is, the idea of man is different from the reality in which man is living. In this context man is an alienated being, or a dim copy of its own reality.

Thus, inference that alienated human beings are separated from their own reality is correct. That's because alienation, as mentioned by author, results from this separation/IMPERFECTION.

52. Ans. C

Exp: Δ and A are common in figures (ii) and (iii).

Hence, © and # are opposite to each other.

Hence, option (C) is the correct answer.

53. Ans. B

Exp: Letter series is

abcabbcbabbcbabbbcbabbbbc so

missing characters are bbbcbcbbbb.

54. Ans. D

Exp: Efficiency $\propto \frac{1}{\text{Time}}$

Efficiency,

Ashok : Anil
2 : 1

So, for time

Ashok : Anil
1 : 2

Since Ashok alone could have done the work in 10 days less than Anil, if Ashok alone can do the work in 10 days then Anil alone can do the work in 20 days. Together Ashok and Anil can do the work together in 6.66 days.

55. Ans. D

56. Ans. D

Exp: Ravi was 21st from the left and Sumit is 8 places left to Ravi So, Sumit is 13th from left.

Now there are 2 boys between Sumit and Rahul so Rahul may be 10th or 16th from left. Since the exact position of Rahul cannot be ascertained, so Data Inadequate.

57. Ans. C

Exp: Rule for simplification is BODMAS

$$15 \div 45 \times 20 \times 30 - (12 \div 6 + 2 \times 18 \div 9 \times 15)$$

$$200 - (2 + 60) = 138$$

58. Ans. C

Exp: H.C.F. of 405, 243, 504 and 342 is 9 feet, so answer is (c).

59. Ans. C

Exp: Let C.P. of 1000g is Rs. 1000

5% profit means S.P. will be 1050

But, grocer has given 20% more weight it means he has given 1200 grams

So C.P. for 1200 g will be Rs. 1200

$$\text{Profit\%} = \frac{\text{S.P.} - \text{C.P.}}{\text{C.P.}} \times 100$$

$$= \frac{1050 - 1200}{1200} \times 100$$

$$= -12.5\%$$

i.e. 12.5% loss.

60. Ans. C

Exp: Let Number is 100

Correct value would be 400

Wrong value is 25 only

So, result will be 6.25% of required correct value.

61. Ans. A

Exp: Let the Capacity of Tank is 60 Lts

(L.C.M. of 10, 15 and 20)

A will fill @ 6Lts/hr

B will fill @ 4 Lts/Hr

C can fill @ 3 Lts/Hr

1st Hr A, B and C are opened they will fill 6+4+3=13 Lts

2nd Hr A and C are opened they will fill 6+4=10 Lts

Similarly these pipes keep on filling in the above pattern until the tank is filled.

Ans will be 5 complete hrs and $\frac{1}{10}$ part of the 6th hr.

62. Ans. C

Exp: 1st Jan 2019 is Monday

From 1st Jan 2019 to 1st Jan 2029 there is gap of 10 years out of which 7 are non leap year and 3 are leap year.

Every non leap year is having 1 odd day and leap year is having 2 odd days.

So, total no. of odd days is 7 + 6 = 13.

From 1st Jan 2029 to 1st April there will be 6 odd days.

From 1st April to 9th April there will be 8 odd days.

Total no. of odd days will be 13 + 6 + 8 = 27

27 give us 3 complete weeks and 6 odd days.

So 9th April 2029 will be Sunday.

63. Ans. B

Exp: $25\% = \frac{1}{4}$

$$\frac{L}{S.P.} = \frac{1}{4}$$

S.P. = C.P. – Loss

$$\frac{L}{C.P. - \text{Loss}} = \frac{1}{4} = \frac{1}{5 - 1}$$

So, if L is 1 then C.P. will be 5

Hence, actual loss percentage will be

$$\frac{L}{C.P.} = \frac{1}{5} = 20\%$$

64. Ans. B

65. Ans. C

Exp:

Face coloured Blue	No. of Small Cubes
3 face coloured	8
2 face coloured	3×12
1 face coloured	9×6
No Face coloured	3×3×3

So, atleast one face coloured Green will be 1 face coloured+ 2 face coloured + 3 face coloured = 54+ 36 + 8= 98.

66. Ans. B

Exp: At most one face is coloured will be no face coloured+ 1 face coloured=

$$27+54=81.$$

67. Ans. B

Exp: Son's present age $48/2 = 24$

Five years back $24-5=19$

68. Ans. D

Exp: Statement 1 is incorrect as passage clearly says that developed countries have been able to reduce child death rates with the use of technological knowledge. Statement 3 is incorrect as it directly contradicts the passage as the reduction in

developed countries has been more than that in developing countries.

The passage mentions that if poorer countries were to adopt some of the technological advances, they might be able to cure or even prevent certain diseases and thereby reduce child mortality.

This is correctly reflected in Statement 2, which states that if governments and policymakers in poor countries follow technological advances, they can reduce child death rates.

69. Ans. A

Exp: The passage focuses on the challenges posed by e-waste induced by electronic equipment being discarded in large volumes. It does recognize that toxic substances are produced due to the production, consumption and recycling of electronic items.

It mentions that while international conventions and efforts have been put into place in order to control e-waste, they have not yet been completely successful. The passage concluded by saying that these efforts are not yet completely successful because a global perspective is lacking.

This is most suitably mentioned in option (a), which shows the environmental danger posed by e-waste and the efforts required at a global level.

Option (b) is incorrect as the passage clearly that various nations have put in efforts to control e-waste but have not been completely successful.

This also invalidates option (c) as the passage mentions that the individual efforts by nations are not enough and a global perspective is needed. The passage also mentions that the world recognizes the dangers posed by e-waste and has already started taking steps to control the same.

However, it does not place too much confidence in the currently evolving technology. Hence, option (d) is incorrect.

70. Ans. D

Exp: The passage clearly states that the Basel convention places a global ban on transboundary movement of international e-waste. It also states that the convention creates international guidelines for the same. Hence, statement 1 is correct w.r.t. the passage.

Statement 2 is incorrect because the passage clearly mentions that the Basel Convention has been ineffective in regulating transboundary movement of E- waste.

Statement 3 is incorrect because the passage does not mention the binding nature of the Convention.

71. Ans. C

Exp: The passage starts off by saying that larger social media companies such as Facebook and Google take online crime and harassment very seriously and interact with civil society using various tools to try and reduce the instances of such crimes.

This is done through multiple subject matter based working sessions, expert task forces and multidisciplinary groups. This goes on to show that social media platforms are indeed concerned about user security.

This makes option (b) correct and option (d) incorrect. The passage focuses more on online crime and harassment, rather than data safety. While the two are related in real life, there is no data in the passage that supports the same.

Hence, option (a) cannot be considered the most crucial message. The second half of the passage focuses on showing how most of these interactions between social media platforms and civil society happen behind closed doors or away from the spotlight, thereby leading to minimal transparency and

accountability. This supports option (c). Between options (b) and (c), option (c) covers gist of the passage more comprehensively.

72. Ans. D

Exp: Though the Right to Education includes all girls in the age group 6-14 years, it need not include girls outside this age group.

Thus, assumption 1 is incorrect. The passage states that schools with inadequate teachers are being provided with more teachers while existing teachers are being trained.

However, nowhere does the passage allude that this is being done through teacher training institutes set up by private organisations. Thus, assumption 2 is also incorrect.

73. Ans. B

Exp: The passage states that the Sarva Shiksha Abhiyan aims to provide education to children and some of the things that are being done as part of the programme to achieve this are: strengthening existing school infrastructure, recruiting new teachers, providing training to existing teachers and supporting the academic support structure at a cluster, district and block level.

Thus, if one looks at this information provided in the passage, statements 2 and 3 can be classified as valid basic requirements.

Statement 1 becomes incorrect because it talks of recruiting existing teachers while the passage talks of training new teachers. Also, the passage does not mention anything about organising programs for the same.

Statement 4 also becomes incorrect because the passage does not mention a time frame at all.

74. Ans. B

Exp: The passage clearly mentions that the SSA has a clear focus on girl students and students with special needs. —Students with

special needs includes all students who are impaired in some way and thus covers visually impaired children as well as autistic children.

Therefore, assumption 1 is correct. The last line of the passage states that the SSA seeks to impart computer education to help —bridge the digital divide.

This phrase implies that there are still large differences in terms of education provided on computers, which further means that the digital revolution is not completely incorporated in mainstream education in India.

Therefore, assumption 2 is also correct. The passage does not cover focus groups at all. Therefore, assumption 3 is incorrect.

75. Ans. A

Exp: 710 is odd man out, rest multiple of 9.

76. Ans. D

Exp: Number of odd numbered pages

$$= \frac{1089+1}{2}$$

$$= \frac{1090}{2}$$

$$= 545$$

∴ Required answer is 545.

77. Ans. B

Exp: A/AC/ACE/ACEG/ACEGI/ACEGIK

Hence, required letter is K.

78. Ans. B

Exp: Relative Speed = 35 – 25 = 10 kmph (∵ they are moving in the same direction)

$$= 10 \times \frac{5}{18} \text{ m/s}$$

$$\text{Total length} = 80 + 120 = 200 \text{ m}$$

$$\therefore \text{Required time} = \frac{\text{Sum of the lengths of trains}}{\text{Relative Speed}}$$

$$\frac{200}{10 \times 5}$$

$$= 18$$

$$= \frac{200 \times 18}{10 \times 5}$$

$$= 72 \text{ secs}$$

79. Ans. D

Exp:

1st tablet – 4:00 a.m.

2nd tablet – 8:00 a.m.

3rd tablet – 12 noon

4th tablet – 4:00 p.m.

5th tablet – 8:00 p.m.

6th tablet – 12:00 night

Thus, he will eat the last tablet at 12:00 am the same night.

80. Ans. A

Exp: The last bus left at 9:25 a.m. by Reena's watch.

∴ The bus left at (9:25 – 0.05) = 9:20 a.m.

Correct time

∴ Next bus will leave at (9:20 + 0.20) = 9:40 a.m.

∴ Rakhi must wait for (9:40 – 9:35) = 5 minutes.