

---

## ANSWER KEY

|    |   |    |   |    |   |    |   |
|----|---|----|---|----|---|----|---|
| 1  | B | 17 | B | 33 | C | 49 | D |
| 2  | A | 18 | A | 34 | A | 50 | D |
| 3  | A | 19 | D | 35 | C | 51 | D |
| 4  | B | 20 | B | 36 | B | 52 | A |
| 5  | B | 21 | D | 37 | A | 53 | B |
| 6  | A | 22 | D | 38 | B | 54 | D |
| 7  | B | 23 | B | 39 | A | 55 | C |
| 8  | C | 24 | B | 40 | C | 56 | C |
| 9  | D | 25 | B | 41 | C | 57 | A |
| 10 | C | 26 | B | 42 | A | 58 | C |
| 11 | D | 27 | B | 43 | A | 59 | C |
| 12 | A | 28 | C | 44 | D | 60 | A |
| 13 | D | 29 | A | 45 | C | 61 | C |
| 14 | D | 30 | A | 46 | A | 62 | B |
| 15 | B | 31 | A | 47 | D | 63 | C |
| 16 | C | 32 | A | 48 | A | 64 | A |

|    |   |
|----|---|
| 65 | A |
| 66 | B |
| 67 | C |
| 68 | C |
| 69 | D |
| 70 | D |
| 71 | A |
| 72 | B |
| 73 | B |
| 74 | C |
| 75 | B |
| 76 | D |
| 77 | D |
| 78 | D |
| 79 | A |
| 80 | C |

**1. b** Refer to the statement "Intangible Cultural Heritage, by its very nature...maintaining cultural diversity...international, inter-cultural dialogue" This line supports statement 1 and 4. Statement 2 is incorrect because the passage does not mention the transfer of traditional knowledge. Statement 3 is incorrect because the passage says that oral traditions are a part of ICH.

**2. a** Refer to the statement "Heritage.. .does not end at monuments... It also includes traditions.. .traditional crafts." This line supports a. Statement b is incorrect because the passage has merely stated that cultural diversity needs to be maintained in the face of globalisation and not that it has already been eroded. Statement c is incorrect because the passage has not explicitly stated so. It has been mentioned that yoga may have been practiced in Mohenjo-Daro. Statement d is incorrect again because the passage has not explicitly stated so. While the actions do support India's case it has not affirmed this.

**3. a** The passage mainly discusses the need and relevance of ICH, including yoga.

**4. b** Since the price of rice has increased by 60% i.e. the new price is  $\frac{160}{100}$  or  $\frac{8}{5}$  times the old price, in order to keep the expenditure on rice constant, consumption has to become  $\frac{5}{8}$  times the old consumption.

Hence, the required percentage

$$= \left(1 - \frac{5}{8}\right) \times 100 = 37.5$$

**5. b** Let the weight of the class-teacher be A kg.

$$\therefore \frac{41 \times 13 + A}{14} = 41.5$$

$\Rightarrow A = 48$ .

Solving (i) and (ii), we get,

$$a = 4, x = 16$$

Hence, the total number of students in A and B put together =  $9x = 9 \times 16 = 144$ .

**7. b** Let the sum be Rs. a.

If the rate of interest had been 4% higher, the interest accrued during the given period would have been 16% more than the actual interest accrued.

$$\therefore 16 \times \frac{a}{100} = 2000 \rightarrow a = 12500.$$

**8. c** The number of ways in which a digit can come at the hundreds place 4 (excluding 0), the number of ways in which a digit can come at the tens place is 4 and the number of ways in which a digit can come at units place is 3. Hence, the required number of numbers =  $4 \times 4 \times 3 = 48$

**9. d** Statement 1 is incorrect because the passage has not discussed what the government should do with policies that are to address market failures. Statement 2 is incorrect because the passage states that firms investing abroad account for 15.8 per cent of total assets of the firms examined.

**10. c** Refer to the statement "However, the Indian landscape features numerous government interventions...tax policy and administration." This line supports statement c. Statement a is incorrect because while the passage has stated that India has raised issues with the methodology but it does not state that it should not be concerned about it. Statement b is incorrect because the passage does not explicitly state that Indian companies will invest more in India on improvement of rankings. Statement d is incorrect because the government should strive for the average of the emerging

markets on the 'Doing Business' score and not overall average of that score.

**11. d** The time for which the train stops per hour

$$= 60 - \frac{60}{72} \times 60 = 10 \text{ min}$$

**12. a** The following are the possible combinations:

| No. of Men | No. of Women |
|------------|--------------|
| 1          | 4            |
| 2          | 3            |
| 3          | 2            |
| 4          | 1            |

The total number of ways in which the team can be selected

$$= {}^8C_1 \times {}^6C_4 + {}^8C_2 \times {}^6C_3 + {}^8C_3 \times {}^6C_2 + {}^8C_4 \times {}^6C_1$$

$$= 1940.$$

**13. d** Let the required time be 'X' min.

$$\therefore \frac{1}{36} + \frac{1}{48} - \frac{1}{72} = \frac{1}{x} \rightarrow x = 28.8$$

**14. d** Statement 1 is incorrect because it is not stated so. The passage only says that Thomas Macaulay came to India while William Bentick was the Governor-General. Statement 2 is incorrect because the passage does not state that Macaulay had any such beliefs.

**15. b** Refer to the statements" they should not only have a fair amount of theoretical knowledge but also practical training in some art or craft" and "such an education would stop the exodus from the village to the city". These lines support statements 1 and 3. Statement 2 is incorrect because the passage states that the income earned through the skills acquired would meet part of the educational expense and not completely sustain their education. Statement 4 is incorrect because this has not been explicitly

mentioned. The passage states that this kind of education began in Sevagram but it could very well have existed elsewhere thereafter.

**16. c** Option (c) is correct because the author is primarily discussing the need for a new system where practical skills are combined with theoretical knowledge. Also the colonisation of minds through the old colonial system needs to be removed through this new system. Option (a) is incorrect because the passage makes no reference to the destruction of the ancient education system. Option (b) is incorrect because the passage makes no reference to 'policy makers'. Option (d) is incorrect because that is not the author's main concern.

**17. b** Let the M.P. and C.P. of the T.V. be Rs. A and Rs. B respectively.

$$\therefore 0.88A = 22000 \text{ and } 1.375B = 22000$$

$$\Rightarrow A = 25000 \text{ and } B = 16000$$

Hence, the difference (in Rs.) = 9000.

**18. a** The milk and water in the mixture are 35 litres and 15 litres respectively.

Let the amount of water that needs to be added be 'a' litres.

$$\therefore 0.4(50 + a) = 50 \times \frac{7}{10}$$

$$\rightarrow a = 37.5.$$

**20. b** The volume of each of the smaller cube

$$= \frac{14 \times 14 \times 14}{8} = 343 \text{ cm}^3$$

$\therefore$  The edge of an smaller cube = 7 cm

$$\text{Hence, the required ratio} = \frac{6 \times 7 \times 7}{6 \times 14 \times 14} = 1 : 4$$

**21. d** Statement 1 is incorrect because the passage does not state that the old policy failed. Statement 2 is incorrect as the passage

makes it clear that private sector had a role to play in this sector but it was restricted due to government policies. Statement 3 is incorrect as the passage does not explicitly state that the government policy will have a larger role to play in 'Make in India' in the defense sector vis-a-vis other sectors. It only states that there is a need to produce defence equipment in the country more than any other thing and that the 'Make in India' project in the defense sector is driven by the government's procurement policy.

**22. d** Refer to the statement "import...rarest of rare". However, from this we cannot infer that it will be the last option as a comparison with other options is not made. This renders statement 1 incorrect. So, statement 1 is incorrect. Refer to the statement 'The Government is fully committed...level-playing field to all sectors of industry, both public and private'. Therefore the government will not give first opportunity to public sector alone. Hence statement 2 is incorrect.

**23. b** Refer to the statement "A comprehensive Security Manual...easily access the same and follow it accordingly." This line supports statement 2. Statement 1 is incorrect because only manufacture of "components, parts, raw material etc." has been removed from the purview of industrial licensing and not the entire defense manufacturing sector.

**24. b** Statement 1 is incorrect because the passage has not explicitly stated that the private sector has not invested in R&D. Statement 2 can be inferred from the following line - "The companies desirous of manufacturing such items no longer require industrial license and will also not be subjected to FDI ceiling of 49%."

**25. b** Beruli had the minimum difference which was equal to 110000.

**26. b** The percentage was maximum for Beruli and it was

$$= \frac{30}{140} \times 100 = 21.42\%$$

**27. b** Required constituency is Beruli

**28. c** The passage is focussed on Gandhi's efforts to improve the intellectual capacity of his readers by experimenting with an anti-commodity, slow moving newspaper. He added philosophical extracts and encouraged readers to contemplate on what they read. Hence, statement c is incorrect. Statement a is incorrect because the passage has not discussed Gandhi's thoughts on modern means of printing. Statement b is incorrect

**29. a** Refer to the statement "Gandhi progressively phased out advertisements from the newspaper". This supports statement 1. Statement 2 and 3 are incorrect as stated in "paid scant attention to copyright legislation" and "encouraged a style of reading that was patient, which paused rather than rush ahead". Statement 4 is incorrect as the passage does not state the fact that news items outside any territorial limits were also published.

**30. a** The logic of the industrialized time was based on fast absorption of information. However, the passage says that Gandhi's way of reading preaches in-depth reading but this does not mean that the logic that drives industrial reading supports only superficial reading.

**31. a** Let the present age of Megha be 'x' years.

$$\therefore \text{The present age of Rekha} = (x^2 + 4)$$

According to the question,

$$(x^2 + 4) + (x^2 + 4 - x) = 10x + 3$$

$$\Rightarrow 2x^2 - 11x + 5 = 0 \Rightarrow (2x - 1)(x - 5) = 0$$

---

$\Rightarrow x = 5$  (As  $x \neq \frac{1}{2}$ )

Hence, the sum =  $5 + (5^2 + 4) = 34$  years.

**32. a** Water image of 'A' in option (a) will be different, while that of I, H and 8 will be similar.

**33.c** Sum of the three numbers in 1st, 2nd and 4th column is 44.

Hence,  $x = 9$ .

**34. a** Dividing 97 by 4 we get 24 as quotient and 1 as remainder.

Thus, the total number of days that is removed from the original set = 24.

Hence, 97th day of the new set will be  $97 + 24 = 121$  st day of the original set or the calendar which is 1st of May.

**35. c** Refer to the statement "Nearly 50 years after King's death in 1968, Selma is the first full length film to take a deep look at the King or make him the main character." This supports statement c. Statement a, b and d, though true, are incorrect because the author is not attributing those factors to be the special feature of the film.

**36. b** Refer to the statement 'The film's tight focus on the Selma marches allows it to closely follow tactical debates among King's uneasy collaborators and between King and President Lyndon Johnson'. This supports statement b.

**37. a** Refer to the statement 'The film's time frame – the early months of 1965 - means there's no triumphant "I have a dream" moment.' This supports statement 1. Statement 2 is incorrect because he says that adding the speech will not enhance the character. If anybody has to listen to the speech, that person can very well go and watch a documentary.

**38. b** The number of members in the three groups put together who are above 30 years but not above 50 years =  $(80 - 60) + (60 - 40) + (60 - 20) = 80$  The number of members in the three groups put together who are above 20 years but not above 30 years =  $(120 - 80) + (100 - 60) + (80 - 60) = 100$

Hence, the required percentage

$$= \frac{80}{100} \times 100 = 80\%.$$

**39. a** Required ratio is

$$(120 - 80) : (80 - 60) = 2 : 1.$$

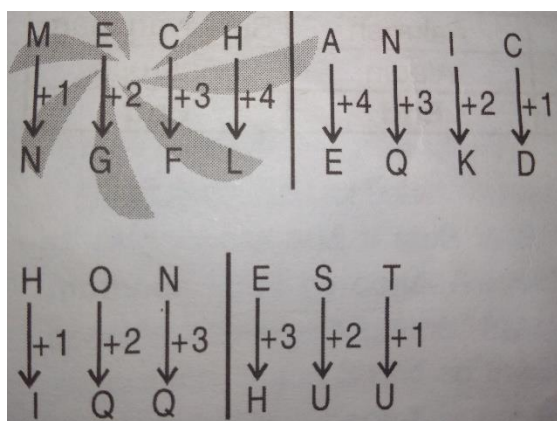
**40. c** Required percentage is highest for group C.

**41. c** Refer to the statement "Demand is low because of...growing switch away from oil to other fuels." This supports statement 4. Statement 1 is incorrect because Saudi Arabia is itself uninterested in curbing supply. Statement 2 is incorrect because the reason given for US importing less oil is that it is now the largest producer and not because of weak economic activity. Statement 3 is incorrect because supply from Iraq and Libya has not slumped, as per the passage.

**42. a** Refer to the following statement from the passage –

"Using the drastic cut in oil import bill, the country, should seize the opportunity to step up generation of renewable energy as this promises to stem, if not stop the massive drain on foreign exchange reserves." This supports option (a). Option (d) is incorrect because firstly the passage only states that it is an "opportune time for upstream oil companies to aggressively step up production of oil and gas globally" and secondly, it specifically talks only about 'upstream' oil companies.

43. a The coding pattern is as follows:



Therefore, the code for COMPARISON will be DQPTFWMVQO.

44. d Refer to the second paragraph which states that "The nesting period, when the chicks and their mother are confined to their nest in a cavity in a giant tree trunk, is literally a time of trial by fire for the male bird." From this, we can infer option (d).

45. c Refer to the statement "Usually, there is only one cavity big enough in a tree to house a hornbill." This supports that there could be trees that can hold more than one nest.

Hence statement 1 is correct. Refer to the statement "It weighs about three kilograms, but its feathers make it look heavier." This supports statement 2

46. a Refer to the statement "I certainly think that one of the most thrilling and grotesque characters in Kerala is the great Indian hornbill." This supports statement 1. Statement 2 is incorrect as he is not attributing the beauty of the area to the bird alone.

For questions 47 and 48: The following table shows the compositions of the teams.

|        |       |
|--------|-------|
| Ram    | Rahul |
| Lakhan | Geeta |
| Vijay  | Shyam |
| Meena  | Sita  |

47. d

48. a

49. d All of the other options are mentioned in the passage. Option (a) can be inferred. Refer to the lines 'The truth is that there is big money backing the climate- change deniers, whether it is companies that don't want to pay the extra costs of regulation, or free-market ideologues opposed to any government controls.' Option (b) is supported by these lines in the second last paragraph "But then I recalled that this line of attack— charging a scientific conspiracy to drum up "business" for science — was almost identical to that used by The Wall Street Journal and others in the past, when they fought controls on tobacco, acid rain, ozone depletion, second-hand smoke, and other dangerous pollutants. In other words, their arguments were systematic and contrived, not at all original to the circumstances." Option (c) can also be found in the last paragraph of the passage.

50. d Refer to the lines 'Whatever the details of this specific case, the studies in question represent a tiny fraction of the overwhelming scientific evidence that points to the reality and urgency of man-made climate change'. Also, "Here it should be understood that the IPCC issues thousands of pages of text. There are, no doubt, errors in those pages. But errors in the midst of a vast and complex report by the IPCC point to the inevitability of human shortcomings, not to any fundamental flaws in climate science."

51. d The order, from the first to last persons, in which the five persons entered the arcade is as follows:

Vikas    Raju    Sham    Mukesh Mohit

Therefore, Mukesh is the fourth tallest person.

**52. a** Case I: When A is truth-teller.

A - Doctor, B - Engineer, C - Lawyer

**Case II:** When B is truth-teller.

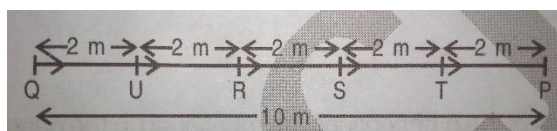
This assumption contradicts the given information.

Hence, this case is not possible.

**Case III:** When C is truth-teller.

A - Engineer, B - Doctor, C - Lawyer Hence, C is the Lawyer.

**53. b** The given information can be depicted as show below.



Hence, the distance between T and R is 4 m.

**54. d** All the teams in the options are possible as per the given information.

**55. c** Refer to the following sentence in the passage - "Airtel was criticized for violating a key principle influencing internet traffic, which is that all data must be treated equally and there must be no discrimination. The principle goes by the name Net neutrality." This renders option (c) correct.

**56. c** Statement 1 is correct because the passage states that internet.org (product of Facebook-Reliance deal) is not an altruistic move. Statement 2 and 3 are negated by the following lines from the passage - "Yes, this does mean millions of Indians could for the first time in their lives access the Internet, albeit an extremely limited version of it" and "Three, in the long run, internet.org could

present a huge competitive advantage to some, to the disadvantage of many."

**57. a** Option (a) can be inferred from the following line of the passage - "In contrast, there was hardly a whimper when a few days ago social media giant Facebook tied up with Anil Ambani's Reliance Communications to bring to India a service that critics globally believe presents a huge challenge to Net neutrality." Option (b) is not true for Airtel did not do anything under a garb. Option (c) is incorrect because we do not know if free sites that Facebook offers to its users includes Skype.

**58. c** The passage stating the reasons to question the altruistic intentions of internet.org says that "one, the subscribers have no say in selecting the websites. Two, the Internet ceases to be an open platform where everyone has an equal chance to succeed. Three, in the long run, internet.org could present a huge competitive advantage to some, to the disadvantage of many." From this, we can neither infer 1 nor 2.

**59. C** The passage states that "The stated intention of the social media network is to make available internet to those who don't have it. It is hard to find fault with such a mission." From this, we can infer option (c). Options (a) and (b) are factually incorrect.

**For questions 60 to 62:** The following are the possible arrangements of the 7 persons in the queue.

| Front        | Front        | Front        |
|--------------|--------------|--------------|
| Yuva         | Yuva         | Yuva         |
| Suryavansham | Lakshya      | Lakshya      |
| Aakrosh      | Suryavansham | Aladin       |
| Lakshya      | Aakrosh      | Suryavansham |
| Aladin       | Aladin       | Aakrosh      |
| End          | End          | End          |

60. a

61. c

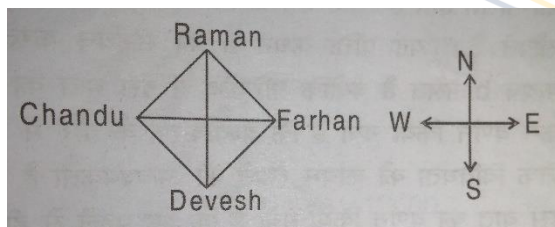
62. b

63. c Ramesh > Harish > Ganesh > Manish > Suresh

64. a The pattern of the sequence is as follows:

2, 0,6, 2,12, 6,20 12  
-2 -4 -6 -8

65. a The positions of the four persons are shown in the diagram given below.



Hence Chandru is in south-west direction with respect to Raman.

66. b The last paragraph of the passage states that "According to the report, mitigation actions "all too often fail to follow accepted scientific best practices and are poorly documented, providing few opportunities to apply lessons learned and to improve the conservation efficacy of similar projects in the future." From this, we can infer that the reason behind animal deaths due to mitigation relocation's option (b).

67. c The second paragraph of the passage states that mitigation actions "all too often fail to follow accepted scientific best practices and are poorly documented, providing few opportunities to apply lessons learned and to improve the conservation efficacy of similar projects in the future "Hence, option (c) is correct. Options (d) is incorrect because it's

not the government that is at fault but the unskilled contractors.

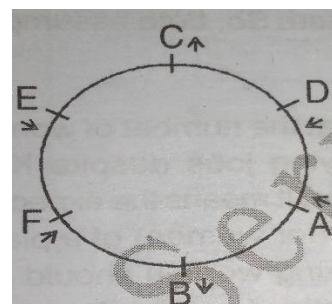
68. c The third paragraph of the passage with the example of swamp skinks; supports the idea that unskilled contractors make a "range of mistakes... including putting animals into the wrong habitat or failing to think through the consequences of the relocation."

69. d Refer to the following statement of the last paragraph – "The report calls for better monitoring and reporting of relocations and a shift to the science-based methods used by conservationists undertaking species recovery programs." From this, we can infer statements 2 and 3 and so the correct answer is option (d). Statement 1 is not referred to in the passage.

70. d Option (d) represents the required relation.

71. a The only child of Seema's mother's father-in-law will be Seema's father. Hence, only son of Seema's father will be her brother.

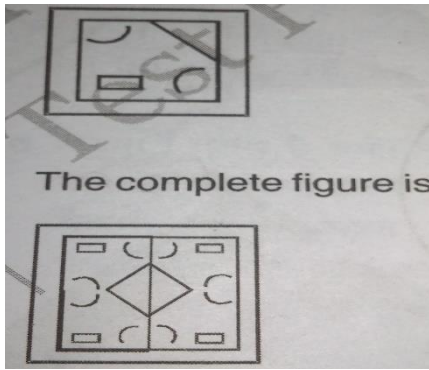
72. b The sitting arrangement is shown below.



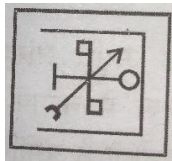
Hence, D is second to the left of B

73. b The correct part of the figure is





74. c The correct mirror image is



75. b Number of triangles

$$= 12 + 4 + 2 + 2 = 20.$$

76. d

77. d Both assumptions are implicit. If the Police have arrested the men for stashing heroin, it must be illegal to stash heroin. Also, if police have arrested men for doing something illegal, it implies that the police checks crime. Therefore, option (d) is correct.

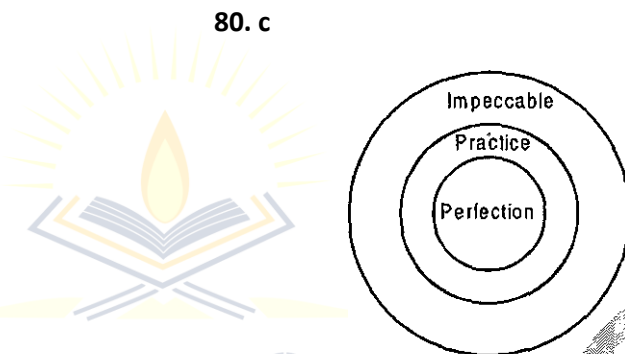
78. d A notice (something that intends to disseminate some information, instruction or warning) is written or printed where it is believed that the target audience would be able to read it. Since the notice by the traffic police warning the masses about the traffic rules has been printed in a newspaper, it implies that people read newspapers and pay attention to what is written, otherwise the purpose of the notice gets defeated. So, both assumptions are implicit.

79. a The statement implies that the number of women is growing only in low-paying jobs despite Kerala having a record literacy rate. It means the expectation is that if the literacy rate (for women) of a place is high, the

number of working women should grow. This confirms that assumption I is valid.

Assumption II is invalid because the number of working women can also start "growing" from a zero. Thus, option (a) is correct.

80. c



From the Venn diagram given above, option (c) is the correct answer because 'Perfection' is a subset of 'Impeccable'.