

Government of Maharashtra



Series

A

*PRE.- I.A.S. TRAINING CENTRE,
AURANGABAD*

Entrance Examination (C.E.T.) 2019-20

Question Paper Booklet

Subject :- General Studies & Aptitude Test

Date : July. 21, 2019

**Time : 11.00 am to 01.00 pm
(2 Hrs.)**

INSTRUCTIONS

- 1) This question booklet contains 100 questions (items)
- 2) All questions carry equal Marks. (i.e. 02 Marks)
- 3) The four expected responses (answers) are given below each question.
- 4) Read the questions carefully and select the correct response/answer.
- 5) You are supplied with the O.M.R. answer sheet along with the question booklet.
- 6) Darken the circle and alphabet of the item with blue ink ball pen.
- 7) Do not encircle more than one circle. It will be considered as wrong answer and **(0.66) marks will be deducted for attempting wrong answer.**
- 8) Do not tick (√ or X) in the circle. It will also be considered as wrong answer & liable for penalty.
- 9) No cancellation of darkened **wrong answer** will be permitted. If such attempt is made it will be considered as **wrong answer**.
- 10) Attempt all the questions. No penalty for unattempted answers.
- 11) Mobile phone , Calculator, and electronics gadgets are not allowed in the examination hall.

INSTRUCTIONS AFTER OPENING QUESTION BOOKLET

A) Enter your Seat No. in the block provided

--	--	--	--

B) Do not forget to enter your Seat No. and name in the place provided on the OMR answer sheet in blue ink/ball pen.

C) Check your question booklet to ensure that no page is torn or missing and blank. If it is so, get it replaced.

D) Mention question booklet series (A, B, C or D) provided to your OMR answer sheet.

DO NOT OPEN THE QUESTION-BOOKLET TILL YOU ARE INFORMED TO OPEN.

SPACE FOR ROUGH WORK

Section : I General Studies

1. Which of the following pairs are correctly matched?

List-I (Period)

1. A.D. 1767-69
2. A.D. 1790-92
3. A.D. 1824-26
4. A.D. 1845-46

List-II (Wars)?

- First Anglo-Maratha War.
- Third Mysore War.
- First Anglo-Burmese War.
- Second Sikh War.

Select the correct answer using the code given below.

- (a) 2 and 4 only (b) 3 and 4 only (c) 1 and 2 only (d) 2 and 3 only

2. When Congress leaders condemned the Montague-Chelmsford Report, many moderates left the part to form the?

- (a) Swaraj Party. (b) Indian Freedom Party.
(c) Independence Federation of India. (d) Indian Liberal Federation.

3. Consider the following events during India's freedom struggle:

1. Chauri – Chaura Outrage.
2. Minto – Morley Reforms.
3. Dandi March.
4. Montague – Chelmsford Reforms.

Select the correct answer using the code given below.

- (a) 1 – 3 – 2 – 4 (b) 2 – 4 – 1 – 3 (c) 1 – 4 – 2 – 3 (d) 2 – 3 – 1 – 4

4. In India, the first Municipal Corporation was set up in which one among the following?

- (a) Calcutta (b) Madras (c) Bombay (d) Delhi

5. Which one of the following statements is not correct?

- (a) The statue of Gomateshwara at Sravanabelagona represents the last Tirthankara of Jains.
(b) India's largest Buddhist monastery is in Arunachal Pradesh.
(c) The Khajuraho temples were built under Chandela Kings.
(d) The Hoysalesvara temple is dedicated to Siva.

6. The practice of military governorship was first introduced in India by the.

- (a) Greeks (b) Shakas (c) Parthians (d) Mughals

7. Bhakta Tukaram was a contemporary of which Mughal Emperor?

- (a) Babar (b) Akbar (c) Jahangir (d) Aurangzeb

8. Which one of the following sequences indicates the correct chronological order?

- (a) Shankaracharya – Ramanuja – Chaitanya
(b) Ramanuja – Shankaracharya – Chaitanya
(c) Ramanuja – Chaitanya – Shankaracharya
(d) Shankaracharya – Chaitanya – Ramanuja

9. How did the dynasty of Nizam Sahi of Ahmadnagar come to an end?

- (a) Ahmadnagar was annexed into Mughal empire and Husain Shah was consigned to life imprisonment.
(b) Mughal troops destroyed Daulatabad fort and killed Nizam-ul Mulk of Ahmadnagar.
(c) Fateh Khan usurped the throne from Nizam-ul-Mulk.
(d) Malik Ambar was defeated in a battle with Mughals in 1631 and the entire royal family was killed by the Mughal troops.

10. Assertion (A): Muhammad bin Tughlaq issued a new gold coin which was called Dinar by Ibn Batutah.

Reason (R): Muhammad bin Tughlaq wanted to issue token currency in gold coins to promote trade with West Asian and North African countries.

- (a) Both A and R are individually true and R is the correct explanation of A
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

11. Consider the following pairs: Tradition State

- 1. Gatka, a traditional Martial Art : Kerala .
- 2. Madhubani, a Traditional Painting : Bihar .
- 3. Singhey Khabas sindhu Darshan Festival : J & K .

Which of the pairs given above is/are correctly matched?

- (a) 1 and 2 only
- (b) 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

12. Consider the following historical places:

- 1. Ajanta Caves
- 2. Lepakshi Temple
- 3. Sanchi Stupa

Which of the above place is/are also known for mural paintings?

- (a) 1 only
- (b) 1 and 2 only
- (c) 1, 2 and 3
- (d) None

13. Match List-I (National Park/Sanctuary) with List-II (State) and select the correct answer using the codes given below the lists:

List-I

- A. Kanger Ghati National Park
- B. Nagerhole National Park
- C. Kugti Wildlife Sanctuary
- D. Sultanpur Bird Sanctuary

List-II

- 1. Chhattisgarh
- 2. Haryana
- 3. Himachal Pradesh
- 4. Karnataka

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 2 | 1 | 4 |
| (b) | 1 | 4 | 3 | 2 |
| (c) | 3 | 4 | 1 | 2 |
| (d) | 1 | 2 | 3 | 4 |

14. Which one of the following statements is not correct?

- (a) The Western Ghats are relatively higher in their northern region.
- (b) The Anai Mudi is the highest peak in the Western Ghats.
- (c) Tapi river lies to the south of Satpura.
- (d) The Narmada and the Tapi river valleys are said to be old rift valleys.

15. Match List-I (Minerals) with List II (Location) and select the correct answer using the codes given below the lists:

List-I

- A. Coal
- B. Copper
- C. Manganese
- D. Lignite

List-II

- 1. Giridih
- 2. Jayamkondam
- 3. Alwar
- 4. Dharwar

Codes:

	A	B	C	D
(a)	1	4	3	2
(b)	2	3	4	1
(c)	1	3	4	2
(d)	2	4	3	1

16. Consider the following statements: Among the Indian States

- 1. Andhra Pradesh has the longest coastline
- 2. Gujarat has the highest number of airports

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

17. Assertion (A): West-flowing rivers of Peninsular India have no deltas.

Reason (R): These rivers do not carry any alluvial sediments.

- (a) Both A and R are individually true and R is the correct explanation of A
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

18. Which one of the following pairs is not correctly matched? Monastery State:

- (a) Dhankar Monastery : Himachal Pradesh
- (b) Rumtek Monastery : Sikkim
- (c) Tabo Monastery : Himachal Pradesh
- (d) Kye Monastery : Arunachal Pradesh

19. Consider the following statements:

- 1. Assam shares a border with Bhutan and Bangladesh.
- 2. West Bengal shares a border with Bhutan and Nepal.
- 3. Mizoram shares a border with Bangladesh and Myanmar.

Which of the statements given above are correct?

- (a) 1, 2 and 3
- (b) 1 and 2, only
- (c) 2 and 3, only
- (d) 1 and 3, only

20. Which one of the following is the correct sequence of the given towns of Pakistan while moving from the North towards the South?

- (a) Islamabad – Gujranwala – Peshawar – Multan
- (b) Peshawar – Gujranwala – Multan – Islamabad
- (c) Peshawar – Islamabad – Gujranwala – Multan
- (d) Islamabad – Multan – Peshawar – Gujranwala

21. Volcanic eruptions do not occur in the?

- (a) Baltic Sea
- (b) Black Sea
- (c) Caribbean Sea
- (d) Caspian Sea

22. Turkey is located between?

- (a) Black Sea and Caspian Sea
- (b) Black Sea and Mediterranean Sea
- (c) Gulf of Suez and Mediterranean Sea
- (d) Gulf of Aqaba and Dead Sea

23. Biodiversity forms the basis for human existence in the following ways:

1. Soil formation
2. Prevention of soil erosion
3. Recycling of waste
4. Pollination of crops

Select the correct answer using the codes given below:

- (a) 1, 2 and 3 only (b) 2, 3 and 4 only
(c) 1 and 4 only (d) 1, 2 3 and 4

24. Consider the following international agreements:

1. The international Treaty on Plant Genetic Resources for Food and Agriculture.
2. The United Nations Convention to Combat Desertification.
3. The World Heritage Convention.

Select the correct answer using the code given below.

- (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3 only

25. Match List I (Articles of the Constitution of India) with List II (Provision) and select the correct answer using the codes given below the lists:

List I

A. Article 14

B. Article 15

C. Article 16

D. Article 17

List II

1. The State shall not discriminate against any citizen on grounds only of religion, race, caste, sex, place of birth or any of them.
2. The State shall not deny to any person equality before the law or the equal protection of laws within the territory of India.
3. 'Untouchability' is abolished and its practice in any form is forbidden.
4. There shall be equality of opportunity for all citizens in matters relating to employment or appointment to any office under the state.

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 2 | 4 | 1 | 3 |
| (b) | 3 | 1 | 4 | 2 |
| (c) | 2 | 1 | 4 | 3 |
| (d) | 3 | 4 | 1 | 2 |

26. As per Indian Protocol, who among the following ranks highest in the order of precedence?

- (a) Deputy Prime Minister (b) Former President
(c) Governor of a State within his State (d) Speaker of Lok Sabha

27. The 73rd Constitution Amendment Act 1992 refers to the?

- (a) Generation of gainful employment for the unemployed and the under-employed men and women in rural area.
- (b) Generation of employment for the able bodied adults who are in need and desirous of work during the lean agricultural season.
- (c) Laying the foundation for strong and vibrant Panchayati Raj Institutions in the county.
- (d) Guarantee of right to life, liberty and security of person, equality before law and equal protection without discrimination.

28. Which Article of the Constitution provides that it shall be the endeavour of every state to provide adequate facility for instruction in the mother tongue at the primary state of education?

- (a) Article 349 (b) Article 350 (c) Article 350 A (d) Article 351

29. Which one of the following statements about a Money Bill is not correct?

- (a) A Money Bill can be tabled in either House of Parliament.
(b) The Speaker of Lok Sabha is the final authority to decide whether a Bill is a Money Bill or not.
(c) The Rajya Sabha must return a Money Bill passed by the Lok Sabha and send it for consideration within 14 days.
(d) The President cannot return a Money Bill to the Lok Sabha for reconsideration

30. Match List I (Item in the Indian Constitution) with List II (Country from which it was derived) and select the correct answer using the codes given below the lists:

List I

- A. Directive Principles of State Policy
B. Fundamental Rights
C. Concurrent List in Union-State Relations
D. India as a Union of States with greater powers to the Union

List II

1. Australia
2. Canada
3. Ireland
4. United Kingdom
5. United States of America

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 5 | 4 | 1 | 2 |
| (b) | 3 | 5 | 2 | 1 |
| (c) | 5 | 4 | 2 | 1 |
| (d) | 3 | 5 | 1 | 2 |

31. The salaries and allowances of the Judges of the High Court are charged to the?

- (a) Consolidated Fund of India (b) Consolidated Fund of the State
(c) Contingency Fund of India (d) Contingency Fund of the State

32. According to the Constitution of India, which of the following are fundamental for the governance of the country?

- (a) Fundamental Rights (b) Fundamental Duties
(c) Directive Principles of State Policy (d) Fundamental Rights and Fundamental Duties

33. Which one of the following committees recommended the abolition of reservation of Items of the small scale sector in industry?

- (a) Abid Hussain Committee (b) Narasimhan Committee
(c) Nayak Committee (d) Rakesh Mohan Committee

34. During the year 2000-01, which one of the following industries recorded highest growth rate in India?

- (a) Cement (b) Coal (c) Electricity (d) Steel

35. Which one of the following is the correct sequence in the decreasing order of production (in million tonnes) of the given foodgrains in India?

- (a) Wheat – Rice – Pulses – Coarse cereals .
(b) Rice – Wheat – Pulses – Coarse cereals.
(c) Wheat – Rice – Coarse cereals – Pulses.
(d) Rice – wheat – Coarse cereals - Pulses.

36. Assertion (A): 'Balance of Payments' represents a better picture of a country's economic transactions with the rest of the world than the 'Balance of Trade'.

Reason (R): 'Balance of Payments' takes into account the exchange of both visible and invisible items whereas 'Balance of Trade' does not.

- (a) Both A and R are individually true and R is the correct explanation of A
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

37. Match List I with List II and select the correct answer using the codes given below the lists:

List I (Term)

- A. Fiscal deficit
- B. Budget deficit
- C. Revenue deficit
- D. Primary deficit

List II (Explanation)

- 1. Excess of total Expenditure over Total Receipts
- 2. Excess of Revenue Expenditure over Revenue Receipts
- 3. Excess of Total Expenditure over Total Receipts less borrowings
- 4. Excess of Total Expenditure over Total Receipts less borrowings and Interest Payment.

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 1 | 2 | 4 |
| (b) | 4 | 3 | 2 | 1 |
| (c) | 1 | 3 | 2 | 4 |
| (d) | 3 | 1 | 4 | 2 |

38. The growth rate of per capita income at current prices is higher than that of per capita income at constant prices, because the latter takes into account the rate of.

- (a) Growth of population
- (b) Increase in price level
- (c) Growth of money supply
- (d) Increase in the wage rate

39. Other than Venezuela, which one among the following from South America is a member of OPEC?

- (a) Argentina
- (b) Brazil
- (c) Ecuador
- (d) Bolivia

40. With reference to Stree Shakti Puraskar, for which one of the following is "Devi Ahilya Bai Holkar Award" given?

- (a) Administrative skills
- (b) Achievements in Scientific Research
- (c) Achievements in Sports and games
- (d) Courage and Valour

41. What is the difference between a CFL and an LED lamp?

- 1. To produce light, a CFL uses mercury vapour and phosphor while an LED lamp uses semiconductor material.
- 2. The average life span of a CFL is much longer than that of an LED lamp.
- 3. A CFL is less energy-efficient as compared to an LED lamp.

Which of the statements given above is/are correct?

- (a.) 1 only
- (b.) 2 and 3 only
- (c.) 1 and 3 only
- (d.) 1, 2 and 3

42. Rainbow is produced when sunlight falls on drops of rain. Which of the following physical phenomena are responsible for this?

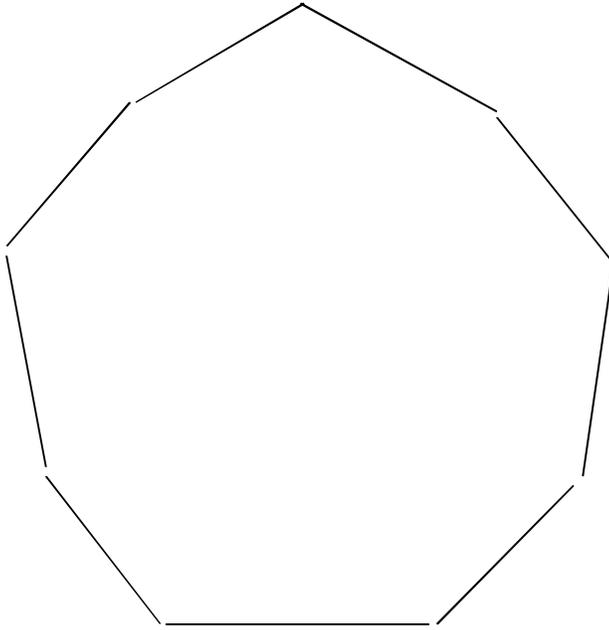
- 1. Dispersion
- 2. Refraction
- 3. Reflection

Select the correct Solution using the codes given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

43. A married couple adopted a male child, A few years later; twin boys were born to them. The blood group of the couple is AB positive and O negative. The blood group of the three sons is A positive, B positive, and O positive. The blood group of the adopted son is
- O positive
 - A positive
 - B positive
 - Cannot be determined on the basis of the given data
44. The function of heavy water in a nuclear reactor is to
- Slow down the speed of neutrons
 - Increase the speed of neutrons
 - Cool down the reactor
 - Stop the nuclear reaction
45. Which of the following is/are the example/examples of chemical change?
- Crystallization of sodium chloride
 - Melting of ice
 - Souring of milk
- Select the correct answer using the code given below.
- 1 and 2 only
 - 3 only
 - 1, 2 and 3
 - None
46. A genetically engineered form of brinjal, known as the Bt-brinjal, has been developed. The objective of this is
- To make it pest-resistant
 - To improve its taste and nutritive qualities
 - To make it drought-resistant
 - To make its shelf-life longer
47. India's first Dolphin Research Centre will be set up in which of the following cities?
- Patna
 - Agra
 - Bhagalpur
 - Kanpur
48. Recently which of the following states government has co-hosted its first year Global Disability Summit (2018) with the international Disability Alliance and the Government of Kenya.
- India
 - United Kingdom
 - Indonesia
 - United States
49. Who has been won gold medal from India in women's singles category of table tennis in commonwealth Games 2018?
- Jitu Rai
 - Manika Batra
 - Divya Kakran
 - Ankur Mittal
50. Consider the following statements about features of MUDRA bank:
- Shishu is first stage in which loan cover upto Rs 50,000 will be given.
 - Kishore stage provides loan cover upto 5 lakhs.
- Which of the above statements is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

51. How many diagonals can be drawn by joining the vertices of the following polygon?



- (a) 27 (b) 26 (c) 28 (d) 30

52. Find the missing number from the following pattern

4	5	3	2	0
6	9	2	3	7
5	7	3	3	5
8	9	6	5	25
7	4	9	4	?

- (a) 14 (b) 15 (c) 20 (d) 21

53. What will come in the place of “?” in the given number series?

7, 26, 63, 124, 215, 342, ?

- (a) 491 (b) 511 (c) 615 (d) 724

54. Two boats A and B start towards each other from 2 places, 90 km apart. Speed of the boats A and B in still water is 9 km/hr and 6 km/hr respectively. If A proceeds downstream and B proceeds up stream, After how much time do they meet?

- (a) 3 hr (b) 5 hr (c) 6 hr (d) 8 hr

55. An athlete running at $\frac{6}{5}$ of his usual time improves her timing by 5 minutes. What is the usual time she takes to run the same distance?

- (a) 25 min (b) 28 min (c) 32 min (d) 30 min

Direction for the following items:

Read the following four passages and answer the items that follow. Your answer to these items should be based on the passages only

Passage 1

Eight months into the financial year, the Centre's fiscal deficit has already overshoot the full year's budget estimate by as much as ₹92,349 crore. And given last year's fiscal slippage — the deficit in the revised estimates for 2017-18 was 3.5% of GDP, wider than the 3.2% originally targeted — the augury is far from reassuring. While total expenditure growth, at 9.1% so far this year, has remained below the budget projection for a 10.1% increase, worryingly growth-inducing capital spending is set on an underwhelming trajectory. The 4% increase over the eight-month period is less than half the 9.9% growth the Centre had budgeted for the year. However, it is the trends in revenue that give cause for disquiet.

56. Which of the following is the most logical and rational inference that can be made from the above passage?

- (a) The centre's fiscal deficit is well under control even though it has overshoot a bit in the first 8 months
- (b) The total expenditure growth for the first 8 months has remained well below the projection shown in the budget
- (c) The total expenditure growth for the whole year has remained well below the projection shown in the budget
- (d) The centre's fiscal deficit has become worse due to bad performance in the fiscal front from the states

Passage 2

A 23-year-old pregnant woman in Tamil Nadu tested positive for HIV after receiving a unit of blood at a government hospital blood bank, indicating glaring lapses in screening procedures. Testing all donated blood units for a number of transfusion-transmissible infections, including HIV, is mandatory in India. The ELISA test used in all blood banks to screen for HIV has very high levels of sensitivity to diagnose samples positive for the virus. It can be said with certainty that the blood bank had failed to screen the blood for HIV. Since 2004, prior to donation, all blood banks are required to obtain from donors written consent as to whether they wish to be informed about a positive test result. In case a donor tests positive for HIV, blood banks are required to refer the donors to designated voluntary counseling and testing centres (VCTCs) for disclosure and counseling. That the blood bank tried but failed to contact the donor in 2016 indicates that the donor had consented to be informed of a positive result. In a further tragic twist, he found out elsewhere that he was HIV-positive, and dutifully contacted the hospital on December 10, but his blood had already been transfused by then. Recently he passed away after consuming poison.

57. Which of the following is the most logical corollary to the above passage?

- (a) It shows that two lives, of a donor and a recipient, are devastated by lapses in blood screening
- (b) The life of only a recipient is in grave danger due to lapse in blood screening
- (c) The donor had not consented to be informed of a positive result
- (d) Blood banks in India have a success rate of less than 50% in contacting donors who have tested positive for transfusion-transmissible infections

Passage 3

Many pathogens that cause foodborne illnesses are unknown. Food contamination can occur at any stage from farm to plate. Since most cases of food poisoning go unreported, the true extent of global foodborne illnesses is unknown. Improvements in international monitoring have led to greater public awareness, yet the rapid globalization of food production increases consumers' vulnerability by making food harder to regulate and trace. "We have the world on our plates", says an official of WHO.

58. Which of the following is the most logical corollary to the above passage?

- (a) With more options for food come more risks
- (b) Food processing is the source of all foodborne illnesses.
- (c) We should depend on locally produced food only.
- (d) Globalization of food production should be curtailed

Passage 4

There are good reasons why the 'Heart of Asia' conference, part of a 14-nation process begun in 2011 to facilitate the development and security of Afghanistan, is so named. The obvious one is geographical, as Afghanistan lies at the junction of Central, South and East Asia, and also of the ancient trading routes from China and India to Europe. Today it is also a focal point for the region's biggest challenge of terrorism; some of the far-reaching battles against al-Qaeda, Islamic State, etc. will be decided on the battlegrounds of Afghanistan.

For India, putting terror centre stage at the Heart of Asia declaration in Amritsar was thus timely and necessary. In tandem, Afghan President Ashraf Ghani and Prime Minister Narendra Modi focussed their concerns on cross-border terrorism emanating from Pakistan, something even Pakistan's traditional allies at the conference, including China, Saudi Arabia, the UAE and Turkey, found difficult to counter. The case Mr. Ghani made was clear: progress and development in Afghanistan are meaningless and unsustainable without peace, and peace is contingent on Pakistan ending support to terror groups such the Haqqani network and Lashkar-e-Taiba. He dared Pakistan to use its proposed development grant to Afghanistan to fight terror on its own soil.

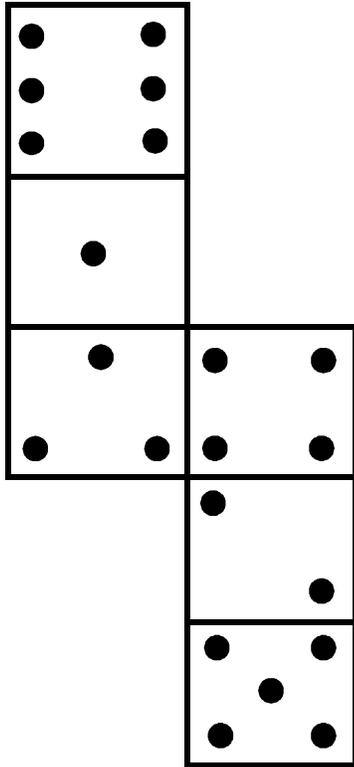
59. What according to the author is the initial agenda for the 'Heart of Asia' conference?

- (a) To strategically invade the intruders of peace and to wage war against terrorism
- (b) To make Afghanistan from the Asian 'Hub' to the trading central between East Asia and Europe
- (c) To bring out Afghanistan's potential as Asian 'Hub' and to facilitate development and security in Afghanistan.
- (d) To plan the strategy of utilizing it's potential as the focal point of terrorism and attack Pakistan

60. A cocktail contains wine and whiskey in the ratio of 7 : 5. If 8 litres of whiskey is added to the mixture, then the ratio becomes 7 : 9. Find the quantity of wine in the given mixture.

- (a) 13 litres
- (b) 15 litres
- (c) 14 litres
- (d) 17 litres

61. How many dots lie opposite to the face having two dots, when the given figure is folded to form a cube?



- (a) 1 (b) 4 (c) 3 (d) 6
62. In a certain code FIRE is coded as DGPC. What will be the third letter of the coded word for TIME?
- (a) J (b) O (c) K (d) Q
63. If MOUTH is coded as PNUIU, then CLOGS will be coded as
- (a) MDOHT (b) DMOHT (c) MDOHT (d) DMOHS
64. If either 24 boys or 36 girls can plough a field in 40 days, then how many days it will take for 16 boys and 16 girls to plough the same field?
- (a) 24 days (b) $44\frac{4}{9}$ days (c) 48 days (d) 56 days
65. The eight digit number 6854321A is divisible by 9 where A is a single digit whole number. Find A
- (a) 0 (b) 5 (c) 7 (d) 9
66. When in each box 5 or 6 dozens of apples were packed, three dozens were left. Therefore, bigger boxes were taken to pack 8 or 9 dozens of apples. However, still three dozens of apples remained. What was the least number of dozens of apples to be packed?
- (a) 343 dozens (b) 361 dozens (c) 363 dozens (d) 365 dozens
67. There are 20 people in a party. If every person shakes hand with every other person, what is the total number of handshakes?
- (a) 186 (b) 190 (c) 198 (d) 200

68. Three friends had a lunch at the restaurant. When the bill was received Arjun paid $\frac{2}{3}$ as much as Sanjay paid and Sanjay paid $\frac{1}{2}$ as much as Manish. What fraction of the bill did Sanjay pay?
 (a) $\frac{3}{4}$ (b) $\frac{3}{11}$ (c) $\frac{4}{11}$ (d) $\frac{5}{13}$
69. In a certain city, the cost of travelling in a taxi includes fixed charges and charge for the distance covered. For a journey of 12 Km, the charges paid are 120 Rs and for a journey of 24 Km, the charges paid are 168 Rs. What will a person have to pay if he travels 30 Km?
 (a) 182 Rs (b) 224 Rs (c) 192 Rs (d) 230 Rs
70. A certain distance is covered at a certain speed. If $\frac{1}{3}$ of the distance is covered in triple the time, the ratio of the two speeds is
 (a) 9:1 (b) 1:9 (c) 6:1 (d) 1:6
71. 2 men and 3 boy can do a work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days could 2 men and 1 boy do the work?
 (a) 12.5 days (b) 13.5 days (c) 14.5 days (d) 12 days
72. Aryan starts walking from a place at 8 am at a speed of 10 kmph .At 10 am Sanju starts from the same place walking in the same direction at a speed of 15 kmph. When will Sanju meet Aryan?
 (a) 11 am (b) 12 pm (c) 2 pm (d) 3 pm
73. A horse and a carriage together cost 8,000 Rs, if by selling the horse at a profit of 10% and the carriage at a loss of 10%, a total profit of 5% is made, then what is the cost price of the horse?
 (a) 3,000 Rs (b) 3,500 Rs (c) 6,000 Rs (d) 2,000 Rs
74. Samantha scores 65% in Mathematics and 82% in Science. Both the papers are of 100 marks. What percentage does she score in English, which is of 50 marks, if she scores an overall 78%?
 (a) 58% (b) 80% (c) 76% (d) 96%
75. The price of a pen is first increased by 25% and later on the price was decreased by 20% due to reduction in sales. Find the net percentage change in the final price of pen.
 (a) decrease of 10% (b) increase of 10%
 (c) no change (d) none of the above
76. The average weight of 45 students in a class is 52 kg. 5 of them whose average weight is 48 kg leave the class and other 5 students whose average weight is 54 kg join the class. What is the new average weight of the class?
 (a) $52\frac{2}{3}$ kg (b) $52\frac{4}{3}$ kg (c) $54\frac{2}{3}$ kg (d) $54\frac{4}{3}$ kg
77. A shopkeeper sells 4 pencils per rupee and loses 10%. If he sells 3 pencils per rupee, then the profit made by him must be?
 (a) 20% (b) 28% (c) 30% (d) 35%

Passage

(Q. 78 - 79) Directions for the following 2(two) questions:

Consider the problem statement given below and answer the questions that follow.

P, Q, R, S and T are sitting on a bench. P and Q are adjacent to each other and so are R and Q. T is sitting on the extreme left and is not sitting next to S. R is at the second position from right.

78. Who sits in the middle?

- (a) R (b) S (c) Q (d) P

79. Q sits in between?

- (a) R and S (b) R and P (c) T and P (d) R and T

80. Mother is aged three times more than his daughter Sona. After 8 years she would be Two and half times of Sona's age. After further 8 years, how many times would she be of Sona's age?

- (a) 2 times (b) $2\frac{1}{2}$ times (c) $2\frac{2}{3}$ times (d) 3 times

81. The sum of four consecutive even numbers is 284. What would be the smallest number?

- (a) 78 (b) 68 (c) 76 (d) 66

82. Arjun has invested a sum of 1,200 Rs in the shares of a company, in what time his investment will become 1,450 Rs when annual rate of interest is 20%?

- (a) $1\frac{1}{24}$ yrs (b) $2\frac{1}{24}$ yrs (c) $1\frac{1}{25}$ yrs (d) $2\frac{2}{25}$ yrs

83. The speed of a boat in still water is 12 km/h and speed of stream is 4 km/h. Then what will be the time taken by the boat to cover a distance of 64 km along the stream?

- (a) 6 hr (b) 4 hr (c) 4.5 hr (d) 8 hr

84. In a park, there are some cows and ducks. In all there are 88 heads and 226 legs. What is the difference between the number of cows and ducks?

- (a) 38 (b) 35 (c) 36 (d) 42

(Q. 85 - 86) Directions for the following 2(two) questions:

Read the following passage and answer the questions that follows passage. Your answer to these questions should be based on passage only.

Passage

The fundamental demand of Ukraine's protestors is that they want a rule based democracy. It is easy to understand why democracies on average are richer than non- democracies, They are less likely to go to war and have a better record of fighting corruption. More fundamentally, democracy lets people speak their minds and shape their own and their children's futures, that so many people in so many different parts of the world are prepared to risk so much for the idea is testimony to its enduring appeal.

85. Choose the most appropriate reason among the following options as to Why Ukraine's protesters are demanding democracy?

- (a) Democracies are richer than non-democracies.
(b) Democracies are generally peace loving.
(c) There is no corruption in democracies.
(d) Democracies safeguard fundamental rights of speech and expression.

86. Which of the following is the most relevant crucial message of the passage?

- (a) It is easy to replace any form of government with democracy by strong protests.
- (b) Democracies have always outperformed the non-democracies.
- (c) Democracies do not let their people protest.
- (d) People value democratic principles and hence have protested at many parts of the world.

(Q. 87 - 88) Directions for the following 2(two) questions:

Read the following passage and answer the questions that follows passage. Your answer to these questions should be based on passage only.

Passage

Why do people obey the law? If you knew that you could get away with a crime, would you do it? For example, let's say that you want a candy bar but don't have the money to buy it, would you take it if you knew you wouldn't get caught? What about a more serious crime-like burglary or murder?

Deterrence theory says that people don't commit crimes because they are afraid of getting caught-instead of being motivated from deep moral sense. According to Deterrence theory, people are most likely to be dissuaded from committing a crime if the punishment is swift, certain and severe.

87. According to the author, why do people shy away from committing crimes?

- (a) They are afraid of getting caught.
- (b) They have a moral sense.
- (c) They think that the society may abandon them.
- (d) None of these

88. Increasing the number of patrols will help curb the number of drunk and drive cases because it increases the punishment's?

- (a) Swiftness
- (b) Certainty
- (c) Severity
- (d) Deterrence

89. If A is the brother of B; B is the sister of C; and C is the father of D, how is D related to A?

- (a) Brother
- (b) Sister
- (c) Nephew
- (d) Cannot be determined

90. Sudeep starting from his house goes 5km in the east, and then he turns to his left and goes 4 km. Finally he turns to his left and goes 5 km. now how far is he from his house and in what direction?

- (a) 4 km and in the north direction
- (b) 5 km and in the north direction
- (c) 4 km and in the east direction
- (d) 4 km and in the south direction

91. One half of a certain number is equal to 65% of 2nd number. What the ratio of 1st number to 2nd number?

- (a) 10:13
- (b) 13:10
- (c) 9:13
- (d) 10:11

(Q. 92 - 93) Directions for the following 2(two) questions:

Read the following passage and answer the questions that follows passage. Your answer to these questions should be based on passage only.

Passage

A, B, C, D, E and F each are staying in six different floors of XYZ Hotel, but not necessarily in the same order. Each floor can accommodate only one person. B stays on the floor which is immediately above D. A stays on the topmost floor. D is not on the ground floor. C and F do not stay in adjacent floors. There are at least two floors between that of F and D.

92. Who stays on the ground floor?

- (a) F (b) C (c) Either F or C (d) Neither F nor C

93. Which of the following is true?

- (a) D stays between B and C (b) E stays between C and F
(c) B stays between E and D (d) B stays on the second floor

(Q. 94 - 96) Directions for the following 3 (three) questions:

The following table shows various expenses heads of Nitin and Manjunath in percentage terms for the year 2017. Nitin's annual salary is Rs. 20 lakh and that of Manjunath is Rs. 16 lakh.

Expenditure	Nitin	Manjunath
Food	20%	25%
Travel	15%	15%
Accommodation	30%	25%
Education	10%	15%
Saving	25%	20%

94. The combined total expenditure of Nitin and Manjunath on Accommodation is

- (a) Rs 8 lakh (b) Rs 10 lakh
(c) Rs 12 lakh (d) None of these.

95. Nitin's and Manjunath's savings are in the ratio

- (a) 25:16 (b) 5:4 (c) 4:5 (d) None of these

96. Which of the following is correct?

- (a) Nitin spends more than Manjunath on education
(b) Nitin's salary is 20% more than that of Manjunath
(c) Manjunath's salary is 25% more than that of Nitin
(d) Nitin's salary is 25% more than that of Manjunath

97. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going in 10 sec. The speed of the train is

- (a) 45 km/hr (b) 48 km/hr (c) 50 km/hr (d) 54 km/hr

98. In a certain language SIKKIM is written as THLJLL, how is TRAINING written in that language?

- (a) SQBHOHOF (b) UQBHOIOF (c) UQBHOHOI (d) UQBHOHOF

99. Sanam is a student of 6th std. one third of the marks scored by her in science exceeds one half of her marks in English by 30. If she got 480 marks in two subjects together, how many marks did she get in English?

- (a) 324 (b) 156 (c) 280 (d) 320

100. The average rainfall of a Bengaluru city in four years is 90 cm. if the rainfalls of first three years are 100 cm, 125 cm, 85 cm respectively, then what is the rainfall of Bengaluru on the fourth year?

- (a) 70 cm (b) 60 cm (c) 50 cm (d) 40 cm