

INSTRUCTIONS

1. This Test Booklet contains 80 items (Questions). Each item is printed in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response with you consider the best. In any case, choose **ONLY ONE** response for each item.
2. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See direction in the answers sheet.
3. All items carry equal marks. Attempt all items. Your total marks will depend only on the number of correct responses marked by you in the answer sheet. **For every incorrect response 1/3rd of the allotted marks will be deducted.**

SWAPNIL'S
IAS
From Dream to Reality

1. In a city, 20% families read only two newspapers, 40% of the remaining read three newspapers and the remaining families read only one newspaper. Which of the following statements must definitely be true?

- (a) Only 20% of the total families read three newspapers.
- (b) 48% of the total families read only one newspaper.
- (c) 60% of the total families read at least two newspapers.
- (d) 88% of the total families read at least one newspaper.

2. A Question is given below followed by two Statements I and II.

Question: $mn = k$, where m and n are prime numbers and k is an even number. What is the value of $mn - n + 1$?

Statement - I: $m > n$

Statement - II: One of the numbers from amongst m and n is 2.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

3. To fill an empty pond with water, two pipes, A and B, are used. Pipe A alone can fill the pond in 70 hours, while Pipe B alone can do it in 80 hours. If both pipes are opened simultaneously, how much time will it take to fill the pond?

- (a) 37.33 hours
- (b) 27.30 hours
- (c) 25.85 hours
- (d) 32.45 hours

4. A question is given below followed by two Statements I and II.

Question: What is the value of \times ?

Statement-I: $\times - 5 = 12$

Statement-II: $\times \times 2 = 16$

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

5. The cost price of Product A is Rs. 500 more than that of Product B. Product A is sold at a 20% profit, while Product B is sold at a 20% loss. If the overall profit earned from selling both products is 10%, what is the cost price of Product A?

- (a) Rs. 600
- (b) Rs. 750

(c) Rs. 800

(d) Rs. 850

Directions for the following 2 (two) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

A Fiscal Council is an independent fiscal institution (IFI) with a mandate to promote stable and sustainable public finances. The important tasks of these IFIs include independent analysis, review, and monitoring, and evaluating of government's fiscal policies and programs; developing or reviewing macroeconomic and/or budgetary projections; costing of budget and policy proposals and programs; and presenting policymakers with alternative policy options. Over the years, monitoring compliance with fiscal rules and costing policies and programs have become major tasks of these councils. While most of the IFIs are in advanced countries, emerging economies too have also shown a growing interest in them.

6. Which one of the following statements can be concluded from the passage?

(a) The fiscal situation in India has been poor due to the absence of a fiscal council.

(b) The government has been consistently failing to comply with the Fiscal Responsibility and Budget Management (FRBM) Act.

(c) The countries with IFIs tend to have more accurate macroeconomic and budgetary forecasts.

(d) The IFIs are mainly constituted to check the off-budget borrowings of the government.

Passage-2

The craft knowledge reading affords several interpretative advantages. For starters, it naturally explains why Socrates would use crafts as an analogy for virtue. It also helps explain how Socrates is both an exemplar of virtue, which is a kind of knowledge, and yet still ignorant: since knowledge comes in degrees, Socrates could be smarter than the average bear, but less than a divine being. In addition, thinking of knowledge as gradable explains why Socrates would exhort us "to become as wise as possible". If knowledge is an all-or-nothing achievement, then it becomes difficult to make sense of this favourite passage of Smith's. However, Socrates' search for the knowledge of virtue seems to be a search for the definition of virtue, and definitional knowledge seems to fit something like the propositional model better than the craft-like model.

7. Based on the above passage, the following assumptions have been made:

1. Virtue and knowledge are not absolute states but exist on a spectrum.

2. There are multiple models for understanding the nature of knowledge.

Which of the assumptions given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

8. a, b, c and d are natural numbers, such that $a - 502 = b + 503 = c - 504 = d + 505$. Which one of them is the largest natural number?

- (a) d
- (b) c
- (c) b
- (d) a

9. Vehicle number plates consist of two letters from the 26 letters of the English alphabet, followed by four single-digit whole numbers. How many different number plates can be formed if repetition of letters and digits is allowed?

- (a) $26 \times 25 \times 10 \times 9 \times 8 \times 7$
- (b) $26 \times 26 \times 10 \times 10 \times 10 \times 10$
- (c) $(26 \times 25 \times 24 \times 23 \times 10 \times 9)/(4 \times 3 \times 2 \times 2)$
- (d) $26 \times 25 \times 24 \times 23 \times 10 \times 9$

10. A Question is given below followed by two Statements I and II.

Question: a, b, c, and d are positive integers.

Which one of a, b, c, d is closest to the product abcd?

Statement - I: $a > b > c$

Statement - II: c is not the smallest amongst them.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

Directions for the following 2 (two) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Macroeconomic stability is critical, both for fostering rapid growth as well as sustained poverty reduction. Periods of macroeconomic instability can result in greater inequality (as the rich are more capable of protecting their assets in such situations), prove more harmful to the poor, and may result in the creation of poorer, as the non-poor fall below the poverty line in periods of crisis. Moreover, in periods of macroeconomic instability, the pressures for budgetary retrenchment often affect the poor most. Even with the best intentions concerning social safety net programs and policies to shield expenditures on vital social services, it may be difficult to avoid cutbacks in some areas that affect the poor. The evidence also suggests that wealth creation results in "churning" in the poverty status of households. Inevitably, in the process of real growth, some groups and sectors benefit, while others lose out. In net terms, poverty rates may decline but some households may become poor while others escape poverty.

11. With reference to the above passage, which of the following inferences can be drawn?

1. Maintaining macroeconomic stability is essential for equitable economic development and the protection of vulnerable populations.
2. Because some individuals fall into poverty during periods of economic growth, economic growth itself is inherently detrimental to the poor.

Choose the correct answer using the codes given below.

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

Passage-2

India is fortunate in having a slew of institutions with legal mandates to support and facilitate its development and growth agenda. The District Planning Committee (DPC) has the powerful mandate of aggregating village-level plans, prepared through active participation of the Gram Sabha, and citizen-centric urban plans. By creating rural-urban linkages the DPC can help ensure equitable distribution and efficient use of all resources throughout a district. The DPC is a vital link in securing the voice of the people in planning, and capacitated DPCs which can perform their mandates effectively are necessary for ensuring citizen-centric planning.

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

- (a) The District Planning Committee (DPC) is a constitutional body.
- (b) The DPCs will lead to excessive regionalism in the country through decentralized planning.
- (c) The DPCs have lost their relevance with the abolition of the Planning Commission.
- (d) The DPCs ensure participatory planning with the help of local self-governance.

13. If $X = (1/7-7) \div (1-5/7-5)$ and $Y = (13-5/65- 5) \div (40/8)4$, then which of the following is true?

- (a) $X = Y$
- (b) $X > Y$
- (c) $X < Y$
- (d) $X = Y -1$

14. Seven friends (four boys and three girls) went on a Goa trip, where they stayed at a resort. The resort had nine rooms vacant, numbered from 1 to 9. First, girls were to choose any three rooms from those numbered 1 to 5 and then boys would choose any four rooms out of the remaining six rooms. What is the maximum possible number of ways in which this can be done?

- (a) 400
- (b) 1320
- (c) 21600
- (d) 3660

15. A Question is given below followed by two Statements I and II.

Question: Karan has a total of 98 balls, some of which are red and the rest white. How many red balls does he have?

Statement I: If the number of white balls is decreased by 3 and the number of red balls is increased by 4, the number of white balls becomes half the number of red balls.

Statement II: The number of white balls is more than half the number of red balls.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

16. A cyclist travels along the four sides of a square-shaped track at speeds - p , $3p$, $4p$ and $6p$, respectively. If 's' is the average speed of the cyclist in a complete round, then which one of the following is correct?

- (a) $s = 2.25p$
- (b) $s = 3p$
- (c) $2.25p < s < 3p$
- (d) $3p < s < 4p$

17. Consider the Statements and the Conclusions given below.

Statements: $H \leq P < I = T > K$; $F = P \leq Y = W > B$

Conclusions-I: $W > T$

Conclusion-II: $H \leq B$

Which one of the following is correct in respect of the above Statements and the Conclusions?

- (a) Only Conclusion-I follows.
- (b) Only Conclusion-II follows.
- (c) Both Conclusion-I and Conclusion-II follow.
- (d) Neither Conclusion-I nor Conclusion-II follows.

18. Select the correct sequence of mathematical signs that can sequentially replace the "@" signs and balance the given equation.

$$32 @ 10 @ 155 @ 475 @ 19 @ 190$$

- (a) $\times, -, +, \div, =$
- (b) $\times, \div, -, +, =$
- (c) $\div, +, \times, =, +$
- (d) $+, -, =, \times, \div$

19. A Question is given below followed by two Statements I and II.

Question: In how many days can B alone complete the work?

Statement I: A and B together can complete the same work in 18 days.

Statement II: B and C together can complete the same work in 24 days.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

20. If $x + y = 4$ and $1/x + 1/y = -4/21$, such that $y > x$, then what is the value of $[(x + 1)/(y - 1)] + 4$?

- (a) 2
- (b) 4.25
- (c) 3.67

(d) –1.33

Directions for the following 3 (three) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Countries are approaching the issue of climate change as a top domestic and foreign policy priority, setting out how it links to other areas of national interest, from economic development to national security. They are also showing a growing commitment to working with other nations and states to drive global climate action. This is climate diplomacy in practice – and it's crucial or an effective international response to climate change. The least developed countries (LDCs) are among those actively engaged in climate diplomacy. Heavily exposed to climate change, it is in their national interest to pursue international action that will help manage its impacts. However, participating in international decision-making presents a far greater challenge for them than for other developing and developed countries. This is mainly because the financial resources they can devote to diplomacy are low, and their capacity to interact in diplomatic forums is limited.

21. Based on the above passage, the following assumptions have been made:

1. Global climate action calls for international cooperation and diplomatic efforts.
2. Climate change is mainly an economic policy issue with little effect on national security.

Which of the assumptions given above is/are correct?

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

22. With reference to the above passage, which of the following inferences can be drawn?

1. Climate change is increasingly being recognized as a multifaceted threat impacting a nation's core interests.
2. Financial power is the sole determinant of a country's ability to participate effectively in international forums.

Choose the correct answer using the codes given below.

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

Passage-2

It is not generally realised that when a court upholds or invalidates legislation or executive action, it neither approves nor condemns any legislative policy, nor is it concerned with the wisdom or expediency of the administrative action. It merely determines whether the legislation or executive action is in conformity with or contrary to the provisions of the Constitution. It discharges the function of guarding the Constitution, no more, no less. Judicial activism is to be properly understood in the context of a country's rules and conventions

and the vigour and the readiness with which the courts exercise their power of judicial review. When courts actively perform an interventionist role, we witness the phenomenon of judicial activism. When the judiciary exercises self-restraint in exercising the power of judicial review and limits its role, there is absence of judicial activism. But the pendulum of judicial review is never static and judicial activism, or lack of it, is a variable phenomenon.

23. On the basis of the above passage, the following assumptions have been made

1. The raison d'être of Judiciary is to uphold the rule of law.
2. Every polity has its unique version of judicial activism.
3. In India, legislation very often falls into judicial review.

Which of the above assumptions is/are valid?

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

24. A is the mother of B. B is the sister of C. D is the son of C. E is the brother of D. F is the mother of E. G is the granddaughter of A. H has only two children - B and C. How is C related to E?

- (a) Father
- (b) Son
- (c) Mother
- (d) Cousin

25. Seema, Arpita, Garima, Riya, and Teena are sitting in a row facing north. Garima and Arpita

are seated together. Teena occupies the left end of the row. Additionally, Garima is seated just to the right of Seema and is positioned to the right of only two people. Based on this arrangement, who is sitting second to the right of Garima?

- (a) Riya
- (b) Teena
- (c) Arpita
- (d) Seema

26. A Question is given below followed by two Statements I and II.

Question: If $y = x^2 - 4x + 4$, what is the value of x ?

Statement-I: $x + y = 2$

Statement-II: $y = 0$

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

27. Ramu sold one kg of Basmati rice for Rs. 152 and suffered a 5% loss. Had he sold it for Rs. X more, he would have got a profit of 15%.

Which one of the following is correct?

- (a) Rs. $30 < x < \text{Rs. } 35$
- (b) Rs. $40 < x < \text{Rs. } 45$

(c) Rs. $25 < x < \text{Rs. } 30$

(d) Rs. $35 < x < \text{Rs. } 40$

28. Six people—W, X, Y, Z, T, and U—each have different ages. W is 40 years old. Y's age is one-fourth that of T, while Z's age is four times that of U. T is five times as old as Z. W is twice as old as Y. Additionally, U's age is one-third that of X. What is the age of X?

(a) 24

(b) 15

(c) 12

(d) 18

29. In the final cricket match of a tournament, Team India scored 246 runs without losing a wicket. The score comprised only byes, wide and runs scored by two openers- Sachin and Sehwag. The runs scored by both openers are 28 times the wide runs. There are 6 more byes than wides. If the ratio of the runs scored by Sachin and Sehwag is 3:4, then the runs scored by Sachin are:

(a) 88

(b) 96

(c) 102

(d) 112

30. Three Statements followed by two Conclusions are given below. You have to take the Statements to be true even if they seem to be at variance from the commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows/follow the Statements, disregarding the commonly known facts.

Statement-1: Some Pens are White.

Statement-2: All Book are Copy.

Statement-3: Some Copy are Pen.

Conclusion-I. Some White being Book is a possibility.

Conclusion-II. No Book is Pen.

Which of the above conclusions is/are correct?

(a) Only Conclusion-I

(b) Both Conclusion-I and Conclusion-II

(c) Neither Conclusion-I nor Conclusion-II

(d) Only Conclusion-II

Directions for the following 4 (four) items:

Read the following three passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Urban lakes are an important part of city ecosystems as they play a major role in providing environmental, social, and economic services. According to the National Lake Conservation Plan (NLCP), a water body having a minimum depth of three meters, spread over more than 10 hectares, and having no or very little aquatic vegetation, is considered a lake. One of the obstacles to the effective protection of these interlinked lakes in cities is the lack of a clear definition of an 'urban lake' in the Indian context.

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

(a) Urban lakes should be protected under the Ramsar Convention.

(b) Urban lakes have been heavily degraded due to the pollution from urban regions.

- (c) The country needs a specific and sustainable plan for urban lake management.
- (d) Protection of urban lakes comes under the Fundamental Duties prescribed by the Constitution.

Passage-2

The increased participation of women and girls in digital technology and innovation, and their engagement as students and professionals in science, technology, engineering and mathematics, is crucial to economies around the world, as well as the global transition to sustainability, ministers and other Government officials emphasized today in the general discussion, as the Commission on the Status of Women continued its sixty-seventh session. The adoption of a comprehensive human rights-based approach that is child rights-centred, gender-responsive and intersectional, is crucial to ensuring a sustainable environment for girls' and young women's activism. The Commission, given its mandate, should genuinely involve women human rights defenders and be an accessible and safe space for developing concerted actions towards achieving gender equality, she said, urging the international community to work together to overcome the gender backlash and uphold the human rights of all women and girls across the globe.

32. Based on the above passage, the following assumptions have been made:

1. Gender equality in STEM fields contributes to economic growth and sustainable development.

2. Focusing on environmental sustainability will ensure the protection and advancement of girls' and young women's rights.

Which of the assumptions given above is/are correct?

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

Passage-3

Seizing land from oppressors and redistributing it amongst the peasants has been the aim of the Naxalites since its creation. India's advancement as a world power, and its integrity, remain challenged by the Naxalite insurgency. By attacking development and infrastructure projects, Naxalites directly impede the development of India's economy, while perpetuating the cycle of poverty and marginalization of rural populations. Their tactics against the Indian State fit well within the principles of guerrilla warfare. As such, the Indian government has had to adapt to this unconventional warfare. While their counter-insurgency has shown successes, they have also led to human rights violations.

33. Which one of the following statements best implies the crux of the passage?

- (a) The ideology behind Naxalism is anti-development.
- (b) The root cause behind Naxalism in India is the failed land reforms of the government.
- (c) Government should adopt innovative solutions to counter naxalism, while ensuring the security of the civilians.

(d) The government should focus more on the socio-economic development in areas affected by Naxalism.

34. With reference to the above passage, the following assumptions have been made:

1. The Naxalites include mainly tribal people who are against the deforestation caused due to infrastructure projects.

2. India will become a world power if it overcomes the insurgency caused due to Naxalism.

Which of the above assumptions is/are valid?

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

35. 10 men can do a piece of work in 4 days, 6 women can do it in 5 days, and 12 children can do it in 5 days too. In how many days can 5 men, 10 women and 5 children together complete the same piece of work?

- (a) 42/13 days
- (b) 32/13 days
- (c) 24/13 days
- (d) 13/24 days

36. Three Statements followed by two Conclusions are given below. You have to take the Statements to be true even if they seem to be at variance from the commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows/follow the

Statements, disregarding the commonly known facts.

Statement-1: Each Key is Lock.

Statement-2: No Door is Key.

Statement-3: All Door is White.

Conclusion-I. Some White can be Lock.

Conclusion-II. All Lock can never be Door.

Which of the above conclusions is/are correct?

- (a) None follows
- (b) Both Conclusion-I and Conclusion-II follow
- (c) Only Conclusion-I follows
- (d) Only Conclusion-II follows

37. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

Community, Public, Against, Attention, Audience, ?

- (a) Magazine
- (b) College
- (c) Difficult
- (d) Hospital

38. Study the following table carefully, which shows a student's marks in five tests for the subjects Mathematics, Physics, and Chemistry (each out of 100 marks).

Tests	Maths	Physics	Chemistry
1	80	69	91
2	94	79	85
3	88	81	95
4	92	76	90
5	96	90	84

The ratio of the average marks obtained by the student in Test 2 to the average marks he received in Mathematics across all tests is:

- (a) 21 : 25
- (b) 4 : 7
- (c) 4 : 3
- (d) 43 : 45

39. In a society, election for the post of RWA president was organized, in which only two candidates contested for the post of President. The winner got 60% of the valid votes and the loser lost by 3600 votes. Which of the following statements is false, if 10% of the total votes casted were declared invalid?

- (a) The winner got more than 10000 votes.
- (b) The loser did not get more than 7500 votes.
- (c) The winner got more than twice the number of votes that the loser got.
- (d) None of the above

40. Consider the Statements and the Conclusions given below.

Statements: $M > N \geq O \leq P \leq W$; $X \geq O > Y$

Conclusion-I : $M > X$

Conclusion-II : $Y < W$

Which one of the following is correct in respect of the above Statements and Conclusions?

- (a) Only Conclusion-II follows.
- (b) Only Conclusion-I follows.
- (c) Neither Conclusion-I nor Conclusion-II follows.
- (d) Both Conclusion-I and Conclusion-II follow.

Directions for the following 5 (five) items:

Read the following three passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Aerosols in the atmosphere can affect climate. Aerosols are microscopic particles that are so small that instead of quickly falling to the surface like larger particles, they remain suspended in the air for days to weeks. Human activities, such as burning fossil fuels and biomass, contribute to emissions of these substances, although some aerosols also come from natural sources such as volcanoes and marine plankton. Unlike greenhouse gases, the climate effects of aerosols vary depending on what they are made of and where they are emitted. Depending on their colour and other factors, aerosols can either absorb or reflect sunlight. Aerosols that reflect sunlight, such as particles from volcanic eruptions or sulfur emissions from burning coal, have a cooling effect. Those that absorb sunlight, such as black carbon, have a warming effect. Not only can black carbon directly absorb incoming and reflected sunlight, but it can also absorb infrared radiation.

41. What is the main idea of the passage?

- (a) Aerosols mainly affect air quality and visibility, not global climate.
- (b) Aerosols have a cooling effect on the climate as they reflect sunlight.
- (c) Aerosols have a complex impact on climate depending on their composition and source.
- (d) Black carbon aerosols contribute to warming by absorbing both solar radiation and infrared radiation.

42. Based on the above passage, the following assumptions have been made:

1. Black carbon's warming effect is offset by the cooling effects of other aerosol types.
2. Human activities contribute to aerosols, making them a manageable climate factor to some extent.

Which of the assumptions given above is/are correct?

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

Passage-2

The Delhi Sultans (rulers) provided patronage to the scholars of Unani System and even enrolled some as state employees and court physicians. The system suffered a severe setback during the British rule in India. The allopathic system was introduced and gained ground. This retarded the growth of education, research and practice of Unani system of medicine. All the traditional systems of medicine along with the Unani System faced almost complete neglect for about two centuries. The withdrawal of State Patronage could not harm much as the masses reposed faith in this system and it continued to be practiced. It was mainly the Sharifi family in Delhi, the Azizi family in Lucknow and the Nizam of Hyderabad due to whose efforts Unani Medicine survived during the British period. After independence the Unani System along with other Indian systems of medicine received a fresh boost under the patronage of the National Government and its people. The Government of India took several

steps for the all-round development of this system. It passed laws to regulate and promote its education and training.

43. What according to the passage had led to the survival of Unani system of medicine in India after the 17th century?

- (a) The state patronage during British rule.
- (b) Faith of masses in traditional systems of medicine.
- (c) Ability of Unani medicines in containing the outbreak of Yellow fever and Cholera during 18th century.
- (d) Efficacy of Unani medicines over the Allopathic system.

44. With reference to the above passage, the following assumptions have been made:

1. There is no treatment for an emergency condition in Unani such as an accident or heart attack.
2. Research on Unani medicine is extremely limited and has mostly been done on animals, not humans.

Which of the above assumption(s) is/are valid?

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

Passage-3

Traditionally, decision-making by managers that is reasoned and step-by-step has been considered preferable to intuitive decision-making. However, a recent study found that top managers used intuition significantly more than did most middle

or lower-level managers. This confirms the alternative view that intuition is actually more effective than careful, methodical reasoning.

45. The above passage seems to imply that

1. Managers should only stick to reasoning based on intricate planning.
2. Intuition remains an unreliable ally when it comes to long term decision making.
3. Decision making of business leaders often relies on hunch.
4. The conventional view about decision making doesn't seem to add up to reality.

Which of the statements given above are correct?

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

46. What will be the number of zeroes at the end of the following product?

$$32 \times \sqrt{64} \times 15625 \times 3125 \times 1024 \times \sqrt{15625} \times \sqrt{4096}$$

- (a) 14
- (b) 24
- (c) 12
- (d) 38

47. A Question is given below followed by two Statements I and II.

Question: If the average age of a group of people is 35 years, what is the number of people in the group?

Statement I: The oldest person in the group is 50 years old, and the youngest is 20 years old.

Statement II: Excluding the oldest and the youngest person from the group does not change the average age.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

48. Pinki and Jyoti are assigned a task of calculating roots of a quadratic equation. Pinki made a mistake in interpreting the value of constant term and she calculated roots as (8, 6). Jyoti made a mistake in interpreting the coefficient of X and she calculated roots as (6, 4).

What must be the correct roots of the equation?

- (a) (-8, -6)
- (b) (10, 4)
- (c) (-10, -4)
- (d) (2, 12)

49. An urn contains balls of red, white, green, yellow, pink, orange and black colour. The total number of balls in that urn is 100. Some of the red balls are replaced with pink balls of equal weight, black balls are replaced with white balls of equal weight, orange ball are replaced with yellow balls of equal weight and the total number of balls in

the urn still remains hundred. What will happen to the average weight of the balls is the urn?

- (a) It Increases
- (b) It decreases
- (c) It remains the same
- (d) No conclusion can be drawn due to insufficient data

50. In a class, there are $(x + 10)$ students with an average weight of 40 kg. If y more students, each with an average weight of 48 kg, are added, the average weight of the class increases by 2 kg. If $(y + 5)$ students, each with an average weight of 44 kg, are added instead, the average weight of the class increases by 1.6 kg.

Find the value of $2(x + y)$.

- (a) 28
- (b) 10
- (c) 24
- (d) 20

Directions for the following 2 (two) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Mental health situation in India demands active policy interventions and resource allocation by the government. To reduce the stigma around mental health, we need measures to train and sensitize the community/society. This can happen only when we have a persistent nationwide effort to educate the society about mental diseases. We also need steps to connect the patients with each other by forming a peer network, so that they could listen

and support each other. Moreover, people experiencing mental health problems should get the same access to safe and effective care as those with physical health problems. Additionally, mental illness must mandatorily be put under the ambit of life insurance. This will help people to see mental illness with the same lens as they use for physical diseases.

51. Which of the following statements best reflects the critical message of the passage?

- (a) India needs to recruit more mental health experts in rural areas to effectively address the challenge of mental health.
- (b) Building social capital along with policy intervention is key to effectively address the challenge of mental health.
- (c) Public Private Partnerships (PPPs) should be forged to make mental health advice more accessible.
- (d) The government should provide free health insurance to weaker sections to make the policy approach to mental health more inclusive.

Passage-2

Solar Energy possesses tremendous potential in bridging India's energy demand-supply gap in the future. There are various challenges for this industry, including lowering cost of production, increasing R&D, consumer awareness and financing infrastructure. It is important to overcome these challenges for fast growth and mass adoption of the technology. Some of the immediate actions to enable growth are efficient implementation of renewable energy certificates, usage of carbon trading as a source of revenue,

immediate implementation of grid powered energy in regions of Rajasthan and Gujarat, development of off-grid usage in various applications such as cellular towers and encouraging localized mini grids in areas that lack connectivity today.

52. Which one of the following is best implied in the passage?

- (a) India does not have adequate demand for renewable energy certificates and carbon trading.
- (b) Active government intervention in promoting solar energy is needed to make solar a viable energy option.
- (c) The government should increase carbon tax in urban areas to generate more finances for the promotion of solar energy.
- (d) The proceedings from corporate tax should be effectively utilised to finance solar energy infrastructure, R&D and promote consumer awareness

53. An Integer n is used to perform division on two different integers 68082 and 65012. After division it is observed that the remainder is same in both the cases. What must be the value of n ?

- (a) 289
- (b) 367
- (c) 453
- (d) 307

54. In series P, there are six consecutive even numbers, and the average of the smallest and largest numbers is 83. Another series, Q, consists of five consecutive odd numbers. The smallest number in series Q is 40 less than half the sum of

the second smallest and third smallest numbers from series P. Determine the value of $(2T_1 + 3T_3 - T_5)$, where T_n represents the n^{th} term in series Q.

- (a) 188
- (b) 178
- (c) 158
- (d) 168

55. Consider the following statements:

Statement- A: Product of two numbers is always greater than or equal to each of those numbers.

Statement- B: Sum of two numbers is always greater than or equal to each of those numbers.

Which of the above statements is/are true with respect to integers?

- (a) Both statements A & B are true.
- (b) Both statements A & B are false.
- (c) Statement-A is true, but Statement-B is false.
- (d) Statement-A is false, but Statement-B is true.

56. In a certain code language, “Hotel are still popular” is coded as “oa dq jk vc”; “Popular palace found it” is coded as “pt er zx oa” and “Extra Hotel found there” is coded as “er ft jk rb”. Code “ft rb” stands for which of the following?

- (a) Extra Hotel
- (b) There Extra
- (c) Still Found
- (d) It There

57. Ashok started walking 6 meters towards the west. Then, he turned right and walked 8 meters. From there, he took a left turn and walked 12 meters, followed by another left turn and walked 15 meters before stopping. How far is Ashok from

his starting point, and in which direction is his final position relative to the starting point?

- (a) $\sqrt{373}$ m, South-West
- (b) $\sqrt{287}$ m, North-West
- (c) 18 m, South-West
- (d) $\sqrt{407}$ m, North-East

58. A Question is given below followed by two Statements I and II.

Question: There are three distinct prime numbers whose sum is an odd number. What are those three numbers?

Statement-I: Their sum is less than 16.

Statement-II: One of the numbers is 7.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

59. What is the missing term @ in the following?

FK27 : LQ64: RW125 : @

- (a) CX216
- (b) XB216
- (c) YB343
- (d) XC216

60. A Question is given below followed by two Statements I and II.

Question: A, B, C, and D participated in a competition. Has A performed better than B?

Statement-I: The combined score of A and B is equal to the combined score of C and D.

Statement-II: The combined score of A and D is higher than the combined score of B and C.

Which one of the following is correct in respect of the above Question and the Statements?

- (a) The question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.
- (b) The question can be answered by using either statement alone.
- (c) The question can be answered by using both the statements together, but cannot be answered using either statement alone.
- (d) The question cannot be answered even by using both the statements together.

Directions for the following 3 (three) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

Between 1959 and 1962 the Western powers made a series of proposals to bar the use of outer space for military purposes. Their successive plans for general and complete disarmament included provisions to ban the orbiting and stationing in outer space of weapons of mass destruction. Addressing the General Assembly on September 22, 1960, President Eisenhower proposed that the principles of the Antarctic Treaty be applied to

outer space and celestial bodies. Soviet plans for general and complete disarmament between 1960 and 1962 included provisions for ensuring the peaceful use of outer space. The Soviet Union, however, would not separate outer space from other disarmament issues, nor would it agree to restrict outer space to peaceful uses unless U.S. foreign bases at which short-range and medium-range missiles were stationed were eliminated also. The Western powers declined to accept the Soviet approach; the linkage, they held, would upset the military balance and weaken the security of the West.

61. Which of the following statements is the most important information we get from the above passage?

- (a) The primary concern of the involved parties was the elimination of weapons of mass destruction.
- (b) The Soviet Union prioritized the removal of U.S. military bases over a standalone space disarmament agreement.
- (c) An atmosphere of deep distrust and strategic manoeuvring prevented meaningful disarmament agreements during the Cold War.
- (d) The Western powers' firm rejection represents their negotiation failure amidst Cold War tensions.

62. Based on the above passage, the following assumptions have been made:

1. During the early space age, military potential of outer space was a key concern for both the West and the Soviet Union.

2. The Soviet Union prioritized the peaceful use of outer space above all other political considerations.

Which of the assumptions given above is/are correct?

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

Passage-2

The empirical analysis shows that, thus far, FDI has not contributed significantly to poverty reduction, but it did influence structural changes in the economy, particularly with respect to industry, which is an important driver of poverty reduction. The analysis clearly shows that states with dominant industrial sectors have been able to reduce poverty faster than states dominated by agriculture. It is argued that the targeting of FDI in India has been misplaced. Had it been in more labour-intensive manufacturing, it would have more effectively contributed to the reduction of poverty.

63. What is the most logical inference from the above passage?

- (a) FDI in agriculture is not significant enough for poverty reduction in the country.
- (b) FDI in labour intensive manufacturing will drastically reduce poverty in near future.
- (c) Targeted FDI allocation is critical for the overall poverty reduction in the country.
- (d) The Industrial sector has always dominated in poverty reduction as compared to the agriculture sector.

64. One page is torn from a booklet whose pages are numbered in the normal way starting from the first page as 1. Sum of the remaining page numbers is 450. The two page numbers on the torn page must be:

- (a) 11, 12
- (b) 9, 10
- (c) 7, 8
- (d) 3, 2

65. A simple mathematical operation on certain prime numbers provide us the following number sequence: 122, 134, 142, 146, 158, 166, 178. What will be the next number in the given sequence?

- (a) 184
- (b) 194
- (c) 189
- (d) 196

66. Consider the following data about students of two different houses of a school:

	Average Height	Average Weight
House A	5.6	62
House B	5.4	60
Overall	X	61.5

What is the value of X in the above table?

- (a) 5.55
- (b) 5.85
- (c) 6.20
- (d) 5.17

67. Three students—A, B, and C—appear for an exam. The probabilities of them passing the exam are 0.8, 0.6, and 0.75 respectively. What is the probability that exactly two of them pass the exam?

- (a) 0.55
- (b) 0.625
- (c) 0.45
- (d) 0.70

Direction for the following 2 (two) items.

Study the following information carefully and answer the questions that follow.

Seven boxes—T, U, V, W, X, Y, and Z—are stacked one above the other. One box is placed between boxes T and Z, with Z positioned above T. Box V is placed below box Z, and box X is placed immediately above V. There are three boxes between boxes X and W. Additionally, two boxes are placed between boxes T and U, and three boxes are placed between boxes V and Z.

68. Which of the following box is placed at 5th position from the bottom?

- (a) V
- (b) Y
- (c) W
- (d) X

69. How many boxes are placed below box T?

- (a) None
- (b) One
- (c) Two
- (d) Three

70. The number P2Q729 is exactly divisible by 7, 11 and 13. What is the value of $(4P - 2Q)$?

- (a) 20
- (b) 15
- (c) 10
- (d) 12

71. A vessel A contains two chemicals p and q mixed in the ratio 2:3. Another vessel B contains these two chemicals in the ratio of 4:7. Both A and B are filled to the brim and then emptied into a third vessel C. What is the ratio of chemicals p and q in vessel C?

- (a) 11:17
- (b) 17:11
- (c) 9:13
- (d) Cannot be determined as data is insufficient

Directions for the following 2 (two) items:

Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage-1

The climate crisis urgently calls for a new environmentally sustainable and inclusive approach to growth. Estimates suggest that inaction could cost the African economy between 10-15% of GDP by 2050, and push an additional 35 million people in South Asia into poverty by 2030—doubling existing levels. The only sustainable long-term option is shifting to a resource- and carbon-efficient development trajectory, and investing in strategies for adaptation. Cities in developing countries should identify comparative advantages, as well as

strategically build new ones, to leverage climate action as an economic opportunity. These include contributing to the design or production of goods and services underpinning the net zero transition, and leveraging natural endowments in the renewable energy sources needed to fuel cleaner growth and attract green firms. Climate action at the city level can also create opportunities for low-skill employment, which will continue to constitute most of the urban jobs, primarily in the informal sector.

72. Which one of the following statements best reflects the most critical inference that can be made from the passage given above?

- (a) The climate crisis requires changes in economic growth models.
- (b) Tackling the climate crisis is both an environmental and economic necessity and opportunity for developing nations.
- (c) Developing nations can achieve faster economic growth due to climate change.
- (d) Climate action can create low-skill employment opportunities in urban areas.

Passage-2

The digitalization of industries, driven by advancements in technology, is transforming traditional processes into digital workflows, enabling businesses to streamline operations, enhance customer experiences, and develop new business models. While this change has disrupted traditional industries such as media, retail, and transportation, it also is creating new opportunities for companies to leverage digital platforms, cloud computing, and data analytics to improve

efficiency, personalize offerings, and explore innovative revenue streams. The production and distribution process has also been revolutionized by technology, with advanced manufacturing technologies like 3D printing reducing prototyping costs, accelerating production, and enabling customization. These changes are improving efficiency, reducing costs, and increasing market reach for many industries, while also facilitating global e-commerce, enabling businesses to reach customers worldwide and reshaping traditional retail models.

73. Which of the following statements can be inferred from the above passage?

1. Companies embracing digitalization may thrive while some traditional business models risk obsolescence.
2. Technology is transforming production, distribution, and sales, making businesses more efficient and connected.

Choose the correct answer using the codes given below.

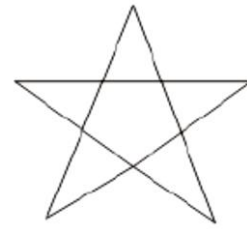
- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

74. pqrs is a four-digit number in a such a way that sum of p and q is equal to the sum of r and s. Sum of p and s is equal to r. Sum of q and s digits is twice the sum of other two digits. What is value of r?

- (a) 5
- (b) 8
- (c) 1

(d) 4

75. Find the number of triangles in the following figure.



- (a) 5
- (b) 8
- (c) 10
- (d) More than 11

76. Six students—J, K, L, M, N, and O—are seated in two different palaces. J and K are from Vibha Palace, while the others belong to Matra Chhaya Palace. M and N are tall, while the rest are short. J, L, and M are wearing caps, while the others are not. Which short student from Matra Chhaya Palace is not wearing a cap?

- (a) L
- (b) M
- (c) N
- (d) O

77. Rohit is 40% more efficient than Rajesh and, as a result, can complete the work in 8 days lesser than Rajesh. In how many days can they complete the work together?

- (a) 13.33 days
- (b) 11.67 days
- (c) 16.67 days
- (d) 10.5 days

78. A and B are two cuboidal tanks, where tank A is twice as long as tank B and 1.5 times as wide. Tank B is twice as tall as tank A, and the difference between their volumes is 96 cm³. What is the volume (in cm³) of tank A?

- (a) 272
- (b) 264
- (c) 288
- (d) 192

79. Pointing towards a man in a photo, Nisha said, "He is the father of my son's sister's father".

How is Nisha related to that man?

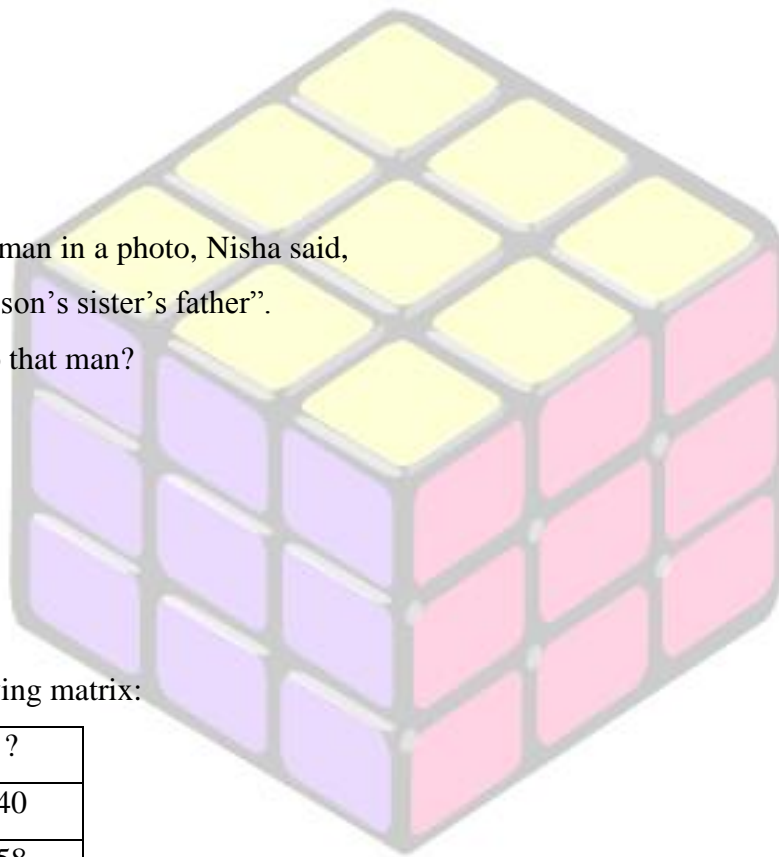
- (a) Daughter
- (b) Mother-in-law
- (c) Daughter-in-law
- (d) Sister

80. Consider the following matrix:

66	88	?
84	64	40
24	56	58

Find the missing number in the above matrix.

- (a) 86
- (b) 78
- (c) 64
- (d) 69



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