

# FORTUNE IAS ACADEMY

## FORTUNE PRELIMS TEST SERIES 2025

### COMPREHENSIVE TEST 03

#### GENERAL STUDIES

#### PAPER – II

Time Allotted: 2 Hours

Maximum Marks: 200

### INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES *NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. You have to enter your Roll Number on the Test Booklet in the Box  provided alongside.
3. DO NOT Write anything else on the Test Booklet.
4. This Booklet contains **80** Items (*Questions*). Each item is printed ONLY IN ENGLISH. Each item comprises four responses (*Options*). You shall select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response for an item, mark the response which you consider the best. In any case, choose ONLY ONE response per item.
5. You have to mark all your responses ONLY on the separate Answer Sheet provided.
6. All items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *Only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. Penalty for wrong answers: "Achieve your Dreams with Fortune"

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPER.

- (a) There are four alternatives for the answer to every question. For each question which has a penalty for which a wrong answer has been given by the candidate, **one-third of the marks assigned to that question will be deducted as penalty.**
- (b) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question, if it has a penalty.
- (c) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

**Directions for the following 4 (four) items:**

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

**PASSAGE – 1**

The debate over colonial reparations raises critical questions about justice and accountability. Beyond apologies and the return of cultural artifacts, there is growing pressure to address the lasting economic impact of colonization. However, quantifying the financial cost of centuries of exploitation, plunder, and enslavement remains complex. This movement gained diplomatic significance in 2001 at a United Nations-organized conference against racism, where governments formally engaged with the legacy of colonialism. Today, calls for restitution continue to shape legal and diplomatic efforts worldwide.

**1)** Based on the above passage, the following assumptions have been made:

1. The need for economic reparations stems from the economic damage caused by colonization.
2. Efforts for colonial reparations are primarily focused on legal action rather than diplomatic engagement.
3. Colonial reparations should only address financial restitution, excluding non-material forms such as cultural restitution.

Which of the above assumptions is/are valid?

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

**2)** Which one of the following statements best reflects the crux of the passage?

- (a) Efforts to quantify colonial exploitation are straightforward due to historical records.
- (b) Apologies and cultural restitution are sufficient measures for addressing colonial injustices.
- (c) The complexity of quantifying colonial exploitation weakens the case for reparations.
- (d) The legal and diplomatic pursuit of reparations has reshaped the discourse on historical accountability.

**PASSAGE – 2**

The success of genetic modification technologies depends on supportive public policies and transparent data from safety studies and field trials. Innovation can thrive only when a conducive environment is created. The current narrative labelling all genetically modified food as unsafe discourages investment and research in this field. Instead, evaluating each genetically modified crop on a case-by-case basis would allow India to benefit from useful crops while ensuring the health and safety of its citizens.

**3)** Based on the above passage, which of the following statements is/are true?

1. A general ban on genetically modified foods hinders progress in agricultural technology.
2. Transparent safety studies and field trials can enhance public trust in genetically modified crops.
3. The growth of genetic modification technologies is directly tied to the public's perception of safety and innovation.



Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 only
- (d) All of the above

4) Which one of the following statements best reflects the crux of the passage?

- (a) Public policies should universally endorse all genetically modified crops as safe.
- (b) A lack of transparency in safety studies has led to public distrust in genetically modified food.
- (c) Public policies and safety data are crucial for the success of genetic modification technologies.
- (d) A one-size-fits-all approach is effective for evaluating the safety of genetically modified crops.

5) The integers 3630 and 5070 when divided by a 3-digit number leaves the same remainder. What is that 3-digit number?

- (a) 144
- (b) 157
- (c) 164
- (d) 177

6) A 7-digit number  $2A673BC$  is divisible by 180. What is  $(A - B)^3$ , provided all digits in the number are unique?

- (a) 1
- (b) 27
- (c) 125
- (d) 216

7) What will come in place of \* in the sequence:

2, 14, 48, 116, \*, 402?

- (a) 230
- (b) 232
- (c) 246
- (d) 114

8) Consider the following numbers:

1,2,3,5,8,13,x,34, 55,... what is the value of x?

- (a) 21
- (b) 23
- (c) 25
- (d) 27

9) How many factors of 2520 are perfect squares?

- (a) 2
- (b) 4
- (c) 6
- (d) 8

10) The number 7560 is multiplied by a number A, the resulting value is a perfect square. When 7560 is divided by another number Q, the resulting value is a perfect cube. If A and B assume the least possible values, what is A/B?

- (a) 3
- (b) 6
- (c) 12
- (d) 15

**Directions for the following 4 (four) items:**

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

### **PASSAGE – 3**

As society advances at a pace that outstrips legal frameworks, the fragility of human existence is increasingly exposed by pandemics, global warming, economic instability, and surging unemployment. The escalating climate crisis, marked by relentless heatwaves, devastating floods, and failing harvests, only adds to the turmoil. In such times, prioritizing human welfare is not just a necessity but a battle for survival.



**11)** Based on the above passage, the following assumptions have been made:

1. The increasing fragility of human existence is a direct consequence of outdated legal frameworks.
2. The escalating climate crisis and economic instability demand urgent human-centred policy interventions.
3. Advancing legal reforms alone will be insufficient to address the complex global challenges of the modern world.

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 2 only
- (d) None of the above

**12)** Which one of the following statements best reflects the crux of the passage?

- (a) The rapid pace of societal change has rendered legal systems entirely ineffective in addressing modern crises.
- (b) Climate change is the most significant threat to human survival, surpassing all other crises.
- (c) The inability of legal frameworks to keep up with global challenges underscores the urgency of prioritizing human welfare.
- (d) Legal frameworks are fully equipped to handle crises like pandemics and climate change.

#### **PASSAGE – 4**

A truly inclusive digital future requires recognizing that technology adoption is not uniform across all sections of society. Relying solely on digital solutions risks excluding those without access or digital literacy. Instead, hybrid models that combine online and offline systems can ensure broader accessibility. Government services, for example, should not be

confined to apps and websites but must remain available through physical offices. India's tech policies must move beyond the unrealistic goal of complete digital adoption and acknowledge the complex realities of its diverse population. Embracing this approach will help bridge the digital divide and create a more equitable society.

**13)** Based on the above passage, the following assumptions have been made:

1. A fully digital society is unrealistic due to disparities in access and digital literacy.
2. Offline services remain crucial for ensuring accessibility to all sections of society.
3. Expanding digital infrastructure will automatically bridge the digital divide in India.

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 2 only
- (d) All of the above

**14)** Which one of the following statements best reflects the most logical and rational implication conveyed by the passage?

- (a) Complete digital adoption in India is achievable and should be prioritized.
- (b) Government services should be exclusively digital to promote efficiency.
- (c) Hybrid models combining digital and offline solutions are essential for an inclusive digital future.
- (d) The digital divide in India is primarily caused by a lack of government initiatives.



15) Let  $x$  be a positive integer such that  $5x^2 + 7x + 180$  is divisible by  $x$ . Find the ratio between the maximum number of values  $x$  can take and the highest possible value of  $x$ .

- (a)  $1/10$
- (b)  $1/12$
- (c)  $1/15$
- (d)  $1/30$

16) How many of the following statements are true?

**Statement 1:** The digital root of a perfect cube is always 1, 8 or 9.

**Statement 2:** Only squares of prime numbers have three factors.

**Statement 3:** If a number has 5 factors, the number must be fourth power of a natural number

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

17) Consider the following statements in respect of two natural numbers  $p$  and  $c$  such that  $p$  is a prime number and  $c$  is a composite number:

1.  $\frac{c^2}{p^2}$  should be even
2.  $\frac{pc}{2(p+c)}$  can be odd
3.  $(c + p) \times (c - p)$  can be prime

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

18) Which among the following can be a perfect square?

- (a) 11027
- (b) 23718
- (c) 40402
- (d) 66049

19) Consider the following including the Question and the Statements:

**Question:** Is  $x^3 > x^2$ ?

**Statement 1:**  $x > -1$ , where  $x$  not equal to zero

**Statement 2:**  $x < 1$ , where  $x$  not equal to zero

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

- (a) The question can be answered by taking either of the statements alone.
- (b) The question can be answered by only one of the statements, and not by the other statement.
- (c) The question can be answered only by both the statements together.
- (d) The question cannot be answered even after taking both statements together.

20) Find the number of zero to the end of  $145!$

- (a) 35
- (b) 36
- (c) 37
- (d) 38

**Directions for the following 3 (three) items:**

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

#### **PASSAGE – 5**

Population ageing is a global phenomenon, increasingly relevant in India as societies rethink retirement and the value of continued work in later life. The “silver workforce” is now seen as a potential asset, especially since the World Health Organization defines healthy ageing as maintaining functional abilities that



promote well-being. While traditional policies focused on negatives like reduced working hours and mandatory retirement, evidence now shows that work, volunteering, and social engagement can improve physical and mental health as we age.

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

1. The traditional focus on reduced working hours and mandatory retirement has negatively impacted the well-being of older adults.
2. Continued work, volunteering, and social engagement can improve the physical and mental health of older adults.
3. Policies supporting flexible work arrangements and age-friendly workplaces are needed for support of the silver workforce.

Which of the above assumptions is/are not valid?

- (a) 2 and 3 only
- (b) 1 only
- (c) 3 only
- (d) None of the above

**22)** Which one of the following statements best reflects the crux of the passage?

- (a) Traditional policies focusing on reduced working hours and mandatory retirement have been ineffective.
- (b) The silver workforce is a potential asset that can contribute to the economy and improve well-being in later life.
- (c) Physical and mental health in older adults can only be improved through medical interventions.
- (d) The World Health Organization's definition of healthy ageing is outdated and needs revision.

### PASSAGE – 6

The human mind has long been conditioned to seek objectivity, even though life is inherently subjective. This tendency shifts the focus from what is said to who said it. The mind constantly attempts to quantify experiences, seeing light through a bulb, feeling weather through temperature and humidity, and defining love through a person. This inclination toward measurement fosters comparison, which in turn breeds conflict. Since only measurable aspects can be compared, the mind creates relativity, shaping perceptions and interactions based on conditioned perspectives rather than true understanding.

**23)** Which one of the following statements best reflects the crux of the passage?

- (a) The human mind's reliance on measurement and comparison distorts true understanding.
- (b) Objectivity is a superior way of thinking compared to subjective experiences.
- (c) Seeking relativity in experiences allows for a more meaningful understanding of life.
- (d) Conflict arises primarily because people fail to quantify emotions and experiences accurately.

**24)** If  $\frac{115!}{7^n}$  and  $\frac{155!}{20^p}$  are integers, then what is the sum of the highest possible value of  $n + p$ ?

- (a) 56
- (b) 75
- (c) 93
- (d) 36



- 25) If A denotes +, B denotes -, C denotes \* and D denotes /, which of the following expressions is correct?
- (a)  $52D13C22B43A11 = 58$   
(b)  $32B20A36D24C52 = 66$   
(c)  $21A12C78D13B31 = 62$   
(d)  $15C16B30D30A23 = 30$
- 26) When three consecutive multiples of 6 (taken in ascending order) are added, the resultant number is 9000. What is the difference between the second digit of the first number and the fourth digit of the third number?
- (a) 1  
(b) 2  
(c) 3  
(d) 4
- 27) If  $x = -0.25$ , then which of the following has the smallest value?
- (a)  $1/x$   
(b)  $1/x^2$   
(c)  $2^x$   
(d)  $2^{1/x}$
- 28) A number N is formed by writing the first 50 natural numbers in a successive manner. What will be the 50th digit of the number?
- (a) 2  
(b) 3  
(c) 4  
(d) 5
- 29) If a five-digit number 'A71B6' is divisible by 24 then the maximum number of possible combinations of A and B:
- (a) 9  
(b) 6  
(c) 8  
(d) 7

- 30) Consider the sequence:  
1, 3, 1, 5, 3, 1, 7, 5, 3, 1, 9, 7, ...  
If the sum of the first 20 terms of this sequence is S, what is the value of S?
- (a) 90  
(b) 102  
(c) 108  
(d) 124

**Directions for the following 4 (four) items:**

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

**PASSAGE - 7**

The Union government's National Critical Minerals Mission (NCMM) aims to bridge long-standing gaps in India's mineral policy by focusing on seven key pillars: enhancing domestic production, securing overseas assets, promoting recycling, strengthening trade partnerships, advancing Research & Development, developing human capital, and mobilising financing. Historically, India's mineral sector has suffered from under-exploration, with only 10% of its Obvious Geological Potential (OGP) explored, compared to 20-25% in advanced economies. By fast-tracking regulatory approvals and introducing Exploration Licenses for private players, the NCMM seeks to unlock critical resources like the 5.9 million tonnes of lithium reserves, ensuring a more resilient and self-sufficient mineral ecosystem.

- 31) Which of the following is the most crucial and logical inference that can be made from the above passage?
- (a) The NCMM aims to make India entirely self-sufficient in mineral production within a short period.  
(b) India's focus on domestic mineral production means it will no longer seek overseas assets.



- (c) The main goal of NCMM is to regulate mineral prices rather than focus on exploration and production.
- (d) India's mineral sector has suffered due to under-exploration, and NCMM seeks to address this.

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

1. India's mineral exploration efforts have been significantly lower compared to advanced economies.
2. The National Critical Minerals Mission (NCMM) seeks to enhance domestic mineral production and reduce import dependency.
3. Advanced economies have explored a higher percentage of their mineral potential compared to India.

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 1 only
- (d) All of the above

### **PASSAGE – 8**

The direct association of high-tech solutions with progress has led to a blind spot in policy and development paradigms, often overlooking a crucial group: non-users. In this techno-centric world, those who, for various reasons, do not adopt new technologies risk being marginalized or entirely forgotten. Netherlands-based technology scholar Sally Wyatt highlights this issue, arguing that an exclusive focus on technology users neglects the needs of non-users. In India, where diversity and inequality intersect in complex ways, considering non-users in technology policies is both ethical and practical. This group includes the nearly 48 percent of Indians without Internet access, senior citizens struggling with digital interfaces, individuals

unable to afford smartphones, and women whose digital agency remains restricted by patriarchal norms. Additionally, there are conscientious objectors who question the implications of technology, particularly regarding data privacy.

**33)** Based on the above passage, the following assumptions have been made:

1. The emphasis on high-tech solutions in policy leads to the exclusion of certain social groups.
2. Digital exclusion is solely a result of personal choice rather than structural barriers.
3. A techno-centric approach in policymaking may inadvertently reinforce social inequalities.

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

**34)** Which one of the following statements best reflects the crux of the passage?

- (a) High-tech solutions should dominate policymaking in all sectors.
- (b) India's digital divide is due to economic inequality and lack of smartphone access.
- (c) Inclusive technology policies must address the needs of non-users to ensure ethical and practical outcomes in diverse societies.
- (d) Patriarchal norms are the primary barrier to women's digital participation in India.

**35)** What is the remainder when  $27 \times 40 \times 37 \times 77 \times 105$  is divided by 91.

- (a) 4
- (b) 27
- (c) 28
- (d) 29



**36)** A Question is given followed by two Statements I and II. Consider the Question and the Statements.

**Question:** What is the sum of  $x$ ,  $y$  and  $z$ ?

**Statement I:**  $2x+3y=30$

**Statement II:**  $6x+5y+8z=42$

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.

**37)** A father told his son, "At the time of your birth, I was as old as you are now." If the father is currently 46 years old, the son's age 3 years ago was

- (a) 18
- (b) 21
- (c) 20
- (d) 23

**38)** A, B and C works in a factory. They change their positions after every 42 min, 32 min and 48 min respectively. If they all change simultaneously at 6:00 AM, then find the time at which they will change simultaneously again?

- (a) 7:30 PM
- (b) 4:12 PM
- (c) 6:15 PM
- (d) 5:12 PM

**39)**  $a$  and  $b$  are two numbers whose sum is 17, if the LCM and HCF of the two numbers are 60 and 1 respectively. Find the value of  $a^2+b^2$ ?

- (a) 100
- (b) 169
- (c) 196
- (d) 200

**40)** Some statements followed by conclusions based on these statements are given below. Consider the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and decide which of the given conclusion logically follow the given statements

**Statements**

- I.** Some B are A
- II.** No C is B

**Conclusion**

- I.** No C is A
- II.** No B is C

- (a) Only Conclusion I follows
- (b) Only Conclusion II follows
- (c) Both Conclusion I and II follows
- (d) Neither Conclusion follows

**Directions for the following 4 (four) items:**

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

**PASSAGE – 9**

Water is a fundamental resource that sustains life, but its mismanagement can lead to severe consequences, affecting livelihoods, economies, and even entire civilizations. Historical events have shown how droughts and floods disrupt human settlements, emphasizing the need for responsible water management. Ensuring an adequate supply of potable water at the right locations is crucial for long-term



sustainability. Treated water provides a viable solution, serving multiple purposes such as maintaining urban parks, supporting afforestation, aiding industrial processes, facilitating construction, and assisting in emergency services. Its effective utilization not only conserves freshwater resources but also generates significant revenue for sewerage boards, validating the efficiency of treatment plants and reinforcing the importance of sustainable water management in urban and rural planning.

**41)** Based on the above passage, which of the following statements is/are true?

1. Sustainable water management depends on the economic viability of water treatment plants.
2. Urban parks, afforestation, and industrial processes require treated water for sustainability.
3. The effective use of treated water can reduce reliance on freshwater sources.

Select the correct answer using the code given below:

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

**42)** Which one of the following statements best reflects the most logical and rational implication conveyed by the passage?

- (a) Treated water can effectively replace freshwater in several urban and industrial applications.
- (b) Historical patterns show that civilizations have collapsed due to poor water management.
- (c) Revenue generation from treated water is essential for sustaining water treatment plants.
- (d) The availability of potable water alone is sufficient for long-term water sustainability.

### **PASSAGE – 10**

India presents a dual landscape in employment, especially when considering meaningful worker engagement. On one hand, formal employment adheres to decent work norms, offers employee protection measures, provides retirement benefits and pensions, and includes mandatory retirement policies. On the other hand, informal employment offers limited welfare benefits but allows older adults to re-enter the labour force, often in precarious roles with lower wages. This duality underscores the importance of exploring various work characteristics and the flexibility of work arrangements.

**43)** Based on the above passage, the following assumptions have been made:

1. Formal employment in India is superior to informal employment in all aspects.
2. Informal employment provides flexibility but lacks worker protections and benefits.
3. The Indian workforce enjoys uniform work benefits and protections across all employment types.

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 2 only
- (c) 3 only
- (d) None of the above

**44)** Which one of the following statements best reflects the crux of the passage?

- (a) Formal employment in India provides comprehensive benefits but restricts older adults from re-entering the workforce.
- (b) Informal employment, despite its limitations, offers flexibility for older adults to continue working, albeit in precarious conditions.



- (c) India's employment landscape is characterized by a stark duality between formal and informal sectors.
- (d) Mandatory retirement policies in the formal sector are the primary barrier to meaningful worker engagement in India.
- 45)** Work done by  $(x + 8)$  men in  $(x + 10)$  days is equal to the work done by  $(x - 10)$  men in  $(x + 40)$  days. What is the value of  $x$ ?
- (a) 20  
(b) 30  
(c) 50  
(d) 40
- 46)** P, Q and R work at textile factory. They have been given same task. If Q alone can complete the task in 15 days. How many days will P, Q and R together take to complete the task?
- Statement I:** P and Q together can complete the task in 6 days.
- Statement II:** Q and R together can complete the task in 10 days
- (a) Statement I alone is sufficient to answer the Question.  
(b) Statement II alone is sufficient to answer the Question.  
(c) Statement I and Statement II together are sufficient to answer the Question  
(d) Either Statement I alone or Statement II alone is sufficient to answer the Question.
- 47)** Two pipes A and B can fill a cistern in 12 and 24 min respectively. There is a third pipe C at the bottom of cistern, which can empty the cistern in 16 min. If all the three pipes are opened together and after 4 min pipe C is closed, then find the total time in which cistern will fill completely?
- (a) 12 min  
(b) 10 min  
(c) 8 min  
(d) 16 min
- 48)** How many 8-digit telephone numbers can be formed using digits 0 to 9, if each number starts with 91 and no digit appears more than once?
- (a) 20160  
(b) 10080  
(c) 5040  
(d) 40320
- 49)** There are 6 trains running between Delhi and Mumbai. A man has to travel between these cities using these trains. Consider the following statements regarding it.
- I.** The man can travel from a train from Delhi to Mumbai and return by a different train in 30 ways.
- II.** If the man can return by any one of the 6 trains, then the number of ways in which he can go from Delhi to Mumbai and return from Mumbai to Delhi is 6.
- Which of the above statements given above is/are correct?
- (a) 1 only  
(b) 2 only  
(c) Both 1 and 2  
(d) Neither 1 nor 2
- 50)** P and Q are interviewed for two positions in the same company. P's probability of selection is  $1/8$ , while Q's probability is  $1/7$ . Then consider the following statements:
- I.** Probability of both of them getting selected for the role is  $1/15$ .
- II.** Probability of neither of them getting selected for the role is  $21/28$ .
- III.** Probability of only one of them getting selected for the role is  $21/56$ .
- How many of the statements given above are correct?
- (a) Only one  
(b) Only two  
(c) All three  
(d) None



**Directions for the following 3 (three) items:**

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

**PASSAGE – 11**

Territorial greed still exists, though its reasons have changed. As economies struggle, many nations look to past glory to replace lost growth. War, in some ways, has become easier, which is concerning. In “Why We Fight”, economist Chris Blattman explains that while war is costly, leaders are more likely to start it if they can shift the burden onto their people while keeping the rewards. Globalization has made violence more expensive, and modern societies have more influence than in the past. However, advancements in technology make war easier to wage, and when leaders lack public accountability, they are more likely to ignore its toll on ordinary people.

**51)** Based on the above passage, which of the following statements is/are true?

1. Territorial conflicts today are driven primarily by medieval-style expansionist ambitions.
2. Advancements in technology have made war more difficult and less appealing for decision-makers.
3. Territorial conflicts are inevitable as long as economic disparities exist.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 2 only
- (d) None of the above

**PASSAGE – 12**

The idea is that a government-run support system that covers all farmers and crops is not practical or sustainable. Instead, the government should focus on creating a marketplace where farmers have multiple opportunities to sell their crops at fair, remunerative prices. This would encourage market competition and give farmers more options to find the best prices for their produce. In situations where farmers face financial hardship, the government can provide direct income support to the most vulnerable. This approach would address the inefficiencies of the Minimum Support Price (MSP) and Direct Procurement Price Support (DPPS) systems, while also ensuring that India’s agricultural policies align with World Trade Organization (WTO) guidelines.

**52)** Which one of the following statements best reflects the crux of the passage?

- (a) Farmers should be provided with a marketplace to sell crops at fair prices, with direct income support during financial hardship.
- (b) A government-run support system for all farmers is the most practical solution for agricultural sustainability.
- (c) Minimum Support Price (MSP) and Direct Procurement Price Support (DPPS) systems should be expanded to improve farmers’ incomes.
- (d) The government should manage crop procurement and ensure fixed prices for farmers to protect them from market fluctuations.

**PASSAGE – 13**

The primary objective of healthcare is to ensure a high quality of life and sustainable clinical outcomes for patients. There is a common perception that not-for-profit hospitals are more effective in addressing



healthcare needs and safeguarding patient interests than private hospitals, which operate with a profit-driven approach. The rationale behind granting tax exemptions to not-for-profit hospitals is that their earnings are reinvested to improve facilities and patient care rather than being distributed as dividends. However, if a for-profit hospital also refrains from distributing dividends and instead reinvests its profits, it can contribute to a more robust, sustainable, and impactful healthcare system.

**53)** Which one of the following statements best reflects the crux of the passage?

- (a) Tax exemptions for not-for-profit hospitals should be discontinued as they do not guarantee better healthcare.
- (b) The effectiveness of a hospital in ensuring quality care depends on how it utilizes its earnings rather than its profit status.
- (c) For-profit hospitals are inherently less concerned about patient care than not-for-profit hospitals.
- (d) Only not-for-profit hospitals should be allowed to operate in the healthcare sector to prioritize patient interests.

**54)** The average of 30 numbers is '0'. Out of them, how many may be greater than '0' at most?

- (a) 0
- (b) 1
- (c) 29
- (d) 30

**55)** A Question is given followed by two Statements I and II. Consider the Question and the Statements.

The average age of 2 children of a family is 12 years.

**Question:** Find the age of the father.

**Statement I:** The average age of father, mother and 2 children is 30 years.

**Statement II:** Father is 4 years elder to the mother.

Which one of the following is correct in respect of the question and the statements?

- (a) Statement I alone is sufficient to answer the Question.
- (b) Statement II alone is sufficient to answer the Question.
- (c) Statement I and Statement II together are sufficient to answer the Question
- (d) Either Statement I alone or Statement II alone is sufficient to answer the Question.

**56)** Two trains travel the same distance starting at 8:00 pm and 10:00 pm, respectively, on the same day. They reach their common destination at the same point in time. If the first train travelled for at least 8 hours, then the percentage by which the speed of the second train could exceed that of the first train is

- (a) 20%
- (b) 25%
- (c) 33.33%
- (d) 16.66%

**57)** A person X travels from Bhopal to Delhi on a regular basis for business purpose. When he travels by car, he can reach there in 10 hours. However, when he travels by bus his speed reduces by 25%, and so he travels 150km less in the same amount of time. Find the speed of his car in km/hr?

- (a) 60
- (b) 65
- (c) 50
- (d) 45



- 58)** Rohan started a job in Tata Consultancy Services with a pay scale of Rs. 25,000–85,000. Then how many years will he take to reach the maximum of the scale, if he is getting Rs. 1,500 increment per year?
- (a) 35 years  
(b) 45 years  
(c) 50 years  
(d) 40 years
- 59)** If the sum of first  $n$  terms of two arithmetic progressions 4, 8, 12..... and 27, 30, 33..... are equal then what is the value of  $n$ ?
- (a) 45  
(b) 55  
(c) 47  
(d) 60
- 60)** If  $P$  is equal to 30% of  $Q$  and  $Q$  is equal to 70% of  $R$  and  $R$  is 80% of  $S$ , then which of the following option is correct?
- (a)  $R$  is equal to 116% of  $P$ .  
(b)  $P$  is equal to 12.5% of  $S$ .  
(c)  $Q$  is equal to 120% of  $P$ .  
(d)  $P$  is equal to 16.8% of  $S$ .

**Directions for the following 3 (three) items:**

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

**PASSAGE – 14**

In Jean-Paul Sartre's play "No Exit", Henri, a member of the Maquis resistance, is captured by the Gestapo and faces torture. In an attempt to protect his comrades, he gives false information but unknowingly directs the Nazis to their actual location, leading to their deaths. Sartre's existentialism suggests that while we are free to make choices, we cannot control their outcomes. Henri's sacrifice, though noble, resulted in unintended

consequences, raising the question of moral responsibility. This dilemma reflects the choices we all face in life, where we cannot predict the results but must live with them.

- 61)** Which one of the following statements best reflects the crux of the passage?
- (a) Sartre suggests that moral choices are meaningless in a world full of conflict and uncertainty.  
(b) Henri's sacrifice was morally right because it led to a good outcome.  
(c) Sartre's philosophy believes that humans cannot make meaningful choices in difficult situations.  
(d) Sartre's existentialism highlights that individuals must accept the unpredictability of their actions and bear the responsibility for them.

**PASSAGE – 15**

The rise of globalization, once seen as a path to economic integration and shared progress, has instead deepened inequalities and sparked widespread discontent. While it brought wealth and innovation to some, it also displaced industries, eroded cultural identities, and left many communities behind. This uneven impact fuelled populist movements, nationalist sentiments, and a growing scepticism toward interconnected systems. At the same time, globalization made the world more vulnerable to crises, from financial downturns to pandemics, revealing the fragility of an interdependent global order. Its dual legacy—of opportunity and disruption—continues to shape the modern world.

- 62)** Which one of the following statements best reflects the crux of the passage?
- (a) Globalization has benefited wealthy nations, leaving developing countries to face economic displacement and cultural erosion.



- (b) While globalization has driven innovation and economic growth, its uneven impact exposed the vulnerabilities of an interconnected world.
- (c) The rise of nationalist sentiments and populist movements is a direct result of the failure of globalization.
- (d) Globalization has made the world more interconnected but has also increased the risk of financial crises and pandemics.

### PASSAGE – 16

Human evolution is the process through which humans developed from now-extinct primates. From a zoological perspective, we belong to the species “Homo sapiens”, a culture-bearing, upright-walking species that likely originated in Africa around 315,000 years ago. We are the only surviving members of the human tribe, “Homini”. However, abundant fossil evidence shows that our lineage was preceded by various hominins, such as “Ardipithecus”, “Australopithecus”, and other species of “Homo”. Our species also coexisted for a time with at least one other member of our genus, “H. neanderthalensis” (Neanderthals).

- 63)** Based on the above passage, the following assumptions have been made:
1. Evolution is a natural process through which Homo sapiens have developed from a human lineage known as Homini.
  2. Homo sapiens evolved independently, being the sole surviving members of the human tribe Homini.
  3. Neanderthalensis is the only genus with which humans coexisted.

Which of the above assumptions is/are valid?

- (a) 1 only  
(b) 1 and 2 only  
(c) 1 and 3 only  
(d) All of the above

- 64)** A Question is given followed by two Statements I and II. Consider the Question and the Statements.

**Question:** What is the ratio of science students among boys to the total number of students in the class?

**Statement I:** The ratio of number of boys to the girls in a class is 3 : 2.

**Statement II:** The ratio of science students to commerce students among boys is 5 : 4.

Which one of the following is correct in respect of the question and the statements?

- (a) Statement I is sufficient to answer the question.  
(b) Statement II is sufficient to answer the question.  
(c) Statement I and Statement II together are not sufficient to answer the question.  
(d) Statement I and Statement II together are sufficient to answer the question.

- 65)** A poll of 400 UPSC candidates revealed that 49% of them enjoyed studying history, 53% enjoyed polity, and 62% enjoyed geography. In addition, 27% of students preferred studying history and polity, 29% preferred studying geography and polity, and 28% preferred studying history and geography. 5% found none of these subjects enjoyable to study.

Consider the following statements:

**I.** Ratio of the number of students who like only history to those who like only polity is 3:4.



**II.** The number of students who like studying at least two of the given subjects is less than the number of students who like studying only one of the three given subjects.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

**66)** A milkman purchases the milk at ₹ $x$  per litre and sells it at ₹ $1.4x$  per litre. If he mixes 5 litres water with every 10 litres of pure milk, then what is the profit percentage?

- (a) 10%
- (b) 50%
- (c) 100%
- (d) 110%

**67)** A Question is given followed by three Statements I and II and III. Consider the Question and the Statements.

**Question:** What is the rate of interest?

**Statements I:** Simple interest earned per year is ₹ 350.

**Statement II:** The difference in compound and simple interest earned on a certain amount of money over two years is 105.

**Statement III:** At the rate of simple interest, a sum of money doubles in  $3\frac{1}{3}$  years.

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

- (a) Statement I alone is sufficient to answer the question.
- (b) Statement II and statement III together is sufficient to answer the question.

- (c) Either statement I and statement II or statement III alone is sufficient to answer the question.
- (d) All three statements together are required to answer the question.

**68)** A football ground is in the form of a rectangle having length  $X_1$  meters and breadth  $X_2$  meters, where  $X_1$  and  $X_2$  are integers. If the perimeter of the ground is 180 meters, then the area of the ground will not exceed which one of the following values?

- (a) 1980 square meters
- (b) 1525 square meters
- (c) 1500 square meters
- (d) 2025 square meters

**69)** A, B and C invest some capital to start a restaurant. The total investment was Rs. 6 lakhs. B invested Rs. 100000 more than A and C invested Rs. 50000 less than B if the profit at the end of the year was Rs. 15600 then what is C's share of the profit (in Rs.)?

- (a) Rs. 5200
- (b) Rs. 4800
- (c) Rs. 4500
- (d) Rs. 6000

**70)** A Question is given followed by two Statements I and II. Consider the Question and the Statements.

**Question:** What is the volume of sphere?

**Statements I:** Total surface area of sphere is  $576\pi$ .

**Statement II:** Diameter of the sphere is 24cm.

Which one of the following is correct in respect of the question and the statements?

- (a) Statement I alone is sufficient to answer the question.
- (b) Statement II alone is sufficient to answer the question.



- (c) Either statement I or statement II is sufficient to answer the question.
- (d) Neither statement I nor statement II is sufficient to answer the question.

**Directions for the following 2 (two) items:**

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

**PASSAGE – 17**

A recent study suggests that conserving and restoring nature, through measures like protected areas and flood protection or greenhouse gas regulation, may provide greater economic benefits than activities like agriculture. Using data from 64 sites across six continents, the study found that the economic value of nature conservation and restoration, such as flood protection and greenhouse gas regulation, often exceeds the private profits from agriculture or logging, which typically drive environmental degradation.

- 71)** Which one of the following statements best reflects the crux of the passage?
- (a) The economic value of ecosystem services should be assessed to maximize the benefits derived from nature's resources.
  - (b) Green accounting should be integrated into national budgets as a key component.
  - (c) The immediate profits from natural resource exploitation become insignificant when weighed against the services nature provides.
  - (d) Governments should prioritize investment in forest conservation over structural flood control measures.

**PASSAGE – 18**

The American Psychological Association has recently introduced updated guidelines for psychological practices concerning both men and women. The revised stance challenges the traditional masculine model, which encourages suppressing one's nurturing and sensitive qualities, striving to be a compulsive overachiever, denying personal weaknesses, taking excessive risks, and displaying aggression or violence. It argues that such patterns are outdated. Similarly, the traditional feminine model, which conditions women to be passive, dependent, self-sacrificing, overly nurturing, and excessively accommodating, has been shown to be harmful and unnecessary. Psychologists now recognize that adhering to these outdated gender norms often leads to severe physical and mental health issues, preventing individuals from living a fulfilling and meaningful life.

- 72)** Which one of the following statements best reflects the crux of the passage?
- (a) The traditional masculine model promotes excessive risk-taking.
  - (b) Gender stereotypes are outdated and harmful, leading to mental and physical health issues.
  - (c) Traditional feminine roles encourage women to be overly nurturing and passive.
  - (d) Psychological practices have always been centred around outdated gender norms.
- 73)** Consider the following including the Question and the Statements.  
M, N, O, P and Q are sitting around a circular table facing the centre. Consider the following statements and a question:  
**Question:** What is the position of Q with respect to O?  
**Statement I:** M is second to the left of N and second to the right of O.



**Statement II:** P is not an immediate neighbour of N.

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

- (a) Statement I alone is sufficient to answer the Question.
- (b) Statement II alone is sufficient to answer the Question.
- (c) Statement I and Statement II together are sufficient to answer the Question.
- (d) Statement I and Statement II together are not sufficient to answer the Question.

**74)** P is facing in the North-west. He rotates 90 degrees anticlockwise, then 270 degrees clockwise, and again 45 degrees anticlockwise.

Which way is P currently facing?

- (a) East
- (b) North-East
- (c) South-east
- (d) South-west

**75)** Consider the following information:

- I.**  $P * Q$  means Q is at 10m to the left of P.
- II.**  $P \# Q$  means Q is at 10m to the right of P.
- III.**  $P @ Q$  means Q is at 10m to the south of P.
- IV.**  $P \$ Q$  means Q is at 10m to the North of P.

Then, according to  $M \# Z \$ B * R$ , in which direction is R with respect to M. Assume that everyone is facing north?

- (a) West
- (b) North
- (c) South
- (d) East

**76)** Consider the following statements and a question:

**Question:** What is definitely the difference between Y and X's age?

**Statement I:** X is as much younger than Y as he is older than Z.

**Statement II:** The sum of the ages of Y and Z is 68 years.

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

- (a) Statement I alone is sufficient to answer the Question.
- (b) Statement II alone is sufficient to answer the Question.
- (c) Statement I and Statement II together are insufficient to answer the Question.
- (d) Statement I and Statement II together are sufficient to answer the Question.

**77)** It was Monday on Jan 1, 2010. Which day of the week will be Jan 1, 2024?

- (a) Sunday
- (b) Thursday
- (c) Monday
- (d) Saturday

**78)** In a certain code language 'Too many goals scored' is written as '2357'; 'many lost matches' is written as '514'; and 'I scored six' is written as '893'. How is 'goals' written in that code language?

- (a) 2
- (b) 7
- (c) 9
- (d) Data not sufficient

**79)** If a larger cube of side 1.56m is painted with three colours on opposite faces then divided into smaller cubes of side 12 cm and then consider the following statements:

- I.** Total number of cubes painted with only three surfaces will be 8.
- II.** Total number of cubes painted with only two surfaces will be 726.
- III.** Total number of cubes painted with only one surface will be 132.

Which of the statements given above is/are incorrect?

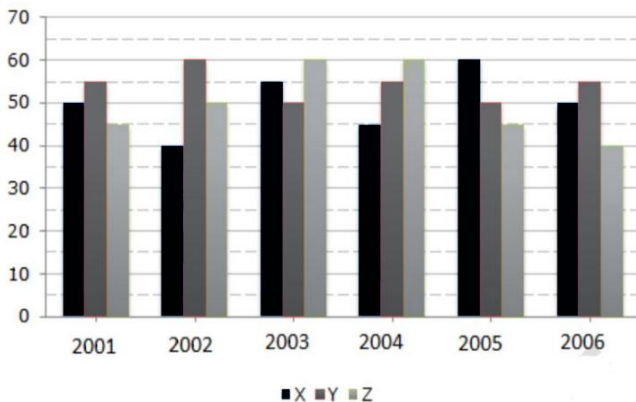
- (a) I only
- (b) II only
- (c) II and III only
- (d) I and II only

**Direction for the following question:**

A sports bike company prepares three types of bikes X, Y and Z. The production of these three bikes over a period of six years has been expressed in the bar graph provided below.

Production of Three Different bikes X, Y and Z by a Company over the years (in thousands).

Note that for every year in the bar chart the bars are arranged with x to the left, y to the middle and z to the right



**80)** By how many percentage, the average production of bike Y was more than the average production of bike X?

- (a) 10%
- (b) 8.3%
- (c) 13.5%
- (d) 12.5%



# ROUGH SPACE



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