

## SSC CGL T-I Similar Paper (Held on 12 Sep 2025 S1)

**Q1.** A man said, "My father's wife's only son is the brother of your mother." How is the man related to you?

- (a) Uncle
- (b) Father
- (c) Grandfather
- (d) Brother

**Q2.** In the following question, the second word is related to the first word by a specific pattern of letter transformation. Identify the same pattern and apply it to the third word to find the correct option that completes the analogy.

COLD : FRPE :: WARM : ?

- (a) ZDUN
- (b) ZDVP
- (c) ZDVN
- (d) YDUP

**Q3.** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

XZYZ, XYXX, XXWX, XWVX, ?

- (a) XVUX
- (b) XTVX
- (c) XUVX
- (d) XUTX

**Q4.** A woman says, "She is my brother's wife's sister." How is the woman related to the speaker?

- (a) Sister
- (b) Sister-in-law
- (c) Cousin
- (d) Niece

**Q5.** Which of the following addresses are identical to each other:

Which of the following addresses are identical?

Rohit Sharma, Flat 203, Green Park, Delhi, 110016

Rohit Sharma, Flat-203, Green Park, Delhi, 110016

Rohit S., Flat 203, Green Park, Delhi, 110016

Rohit Sharma, Flat 203, Green Park, Delhi, 110015

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

**Q6.** P is facing South. Q is seated third to the left of P. Who is seated immediately to the right of Q?

- (a) P
- (b) Person opposite P
- (c) Person second to right of P
- (d) Cannot be determined

**Q7.** In each of the following questions, a specific pattern such as reversal or rearrangement has been applied to the first word to get the second. Apply the same pattern to the third word and find the correct answer from the given options.

ETAGIROV : VORIGATE :: GNITSET : ?

- (a) TESTING
- (b) SETTING
- (c) TIGNEST
- (d) NETSIGT

**Q8.** Which option is identical to:

Neha Verma 56, Rose Villa, Sector-9, Jaipur, 302017

- (a) Neha Verma 56, Rose Villa, Sector-9, Jaipur, 302017
- (b) Neha Verma 56, Rose Villas, Sector-9, Jaipur, 302017
- (c) Neha Verma, 56 Rose Villa, Sector-9, Jaipur, 302018
- (d) Neha Verma 65, Rose Villa, Sector-9, Jaipur, 302017

**Q9.** Which of the following is the odd one out?

- (a) 6, 10, 14
- (b) 3, 7, 11
- (c) 8, 16, 24
- (d) 9, 13, 17

**Q10.** In the following question, select the related word from the given alternatives.

Joule : Energy :: Newton : ?

- (a) Force
- (b) Pressure
- (c) Work
- (d) Power

**Q11.** If @ =  $\times$ , # =  $-$ , \$ =  $\div$  and % =  $+$ , then evaluate:

$8 @ 3 \# 4 \% 6 \$ 2$

- (a) 26
- (b) 23
- (c) 24
- (d) 20

**Q12.** A man said, "The person is my wife's father's only son." How is the person related to the man?

- (a) Brother-in-law
- (b) Son
- (c) Father
- (d) Uncle

**Q13.** In each of the following questions, a group of three numbers/symbols is given in each option. Identify the group that does NOT follow the same pattern as the others.

- (a) C3 : E5 : G7
- (b) D4 : F6 : H8
- (c) E5 : G7 : I9
- (d) F6 : H8 : J11

**Q14.** What comes next:

5, 14, 9, 18, 13, 22, 17, ?

- (a) 26
- (b) 24
- (c) 21
- (d) 20

**Q15.** Find the option that best completes the analogy.

BF : KL :: DK : ?

- (a) NO
- (b) NP
- (c) MQ
- (d) MP

**Q16.** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ACE, DFH, GIK, JLN, ?

- (a) NOM
- (b) LMN
- (c) MOQ
- (d) OPQ

**Q17.** In each of the following questions, the first word is coded to form the second word using a specific rearrangement and/or substitution rule. Apply the same rule to the third word to determine the correct corresponding word from the given alternatives.

QWERTY : YTREWQ :: ASDFGH : ?

- (a) HGFDAS
- (b) GHFDAS
- (c) GHFSDA
- (d) HGFDSA

**Q18.** Pointing to a boy, a man said, "He is the son of the only daughter of my mother." How is the boy related to the man?

- (a) Son
- (b) Nephew
- (c) Cousin
- (d) Grandson

**Q19.** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BDHJ, CEIK, DFJL, EGKM, ?

- (a) FHLN
- (b) GJMN
- (c) FILO
- (d) GJNO

**Q20.** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

DHL, HLP, LPT, PTX, ?

- (a) TXB
- (b) TXZ
- (c) TYZ
- (d) TYA

**Q21.** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CFI, HJL, MNO, RRR, ?

- (a) WVU
- (b) WUY
- (c) WVZ
- (d) WTY

**Q22.** In each of the following questions, a group of three numbers/symbols is given in each option. Identify the group that does NOT follow the same pattern as the others.

- (a) J10 : H8 : F6
- (b) M13 : K11 : I9
- (c) P16 : N14 : L12
- (d) Q17 : O15 : L12

**Q23.** In the following question, select the related word from the given alternatives.

Nile : Africa :: Danube : ?

- (a) Asia
- (b) Europe
- (c) Australia
- (d) America

**Q24.** Identify the odd one:

3, 5, 7, 11, 13, 17, 19, 21

- (a) 21
- (b) 13
- (c) 11
- (d) 19

**Q25.** Letters of the word TEACHING are arranged alphabetically. How many letters are between the 3rd from left and 2nd from right?

- (a) 5
- (b) 4
- (c) 3
- (d) 6

**Q26.** Which Article of the Indian Constitution was amended by the 106th Amendment Act to provide 1/3rd reservation for women?

- (a) Article 239AA
- (b) Article 330A
- (c) Article 332A
- (d) All of the above

**Q27.** Under the Indus Waters Treaty (1960), India has unrestricted rights over which set of rivers?

- (a) Indus, Jhelum, Chenab
- (b) Ravi, Beas, Satluj
- (c) Jhelum, Chenab, Ravi
- (d) Indus, Beas, Satluj

**Q28.** What is the name of the world's longest expressway tunnel recently opened by China in the Xinjiang Uygur Autonomous Region?

- (a) Karakoram Mega Tunnel
- (b) Pamir Victory Tunnel
- (c) Tianshan Shengli Tunnel
- (d) Silk Route Express Tunnel

**Q29.** By which year does Indian Railways plan to double originating train capacity in 48 major cities?

- (a) 2027
- (b) 2028
- (c) 2030
- (d) 2035

**Q30.** Which of the following Harappan sites is known for a unique water harnessing system and storm-water drainage?

- (a) Lothal
- (b) Dholavira
- (c) Kalibangan
- (d) Banawali

**Q31.** The PM-PRANAM scheme aims to:

- (a) Promote religious tourism
- (b) Reduce the use of chemical fertilizers by promoting alternatives
- (c) Provide pension to small shopkeepers
- (d) Digitalize land records

**Q32.** The Battle of Wandiwash (1760) was fought between:

- (a) British and French
- (b) British and Marathas
- (c) French and Dutch
- (d) British and Tipu Sultan

**Q33.** In Quantum Computing, the basic unit of information that can exist in multiple states simultaneously is called:

- (a) Bit
- (b) Qubit
- (c) Logic Gate
- (d) Transistor

**Q34.** Under the Bharatiya Nyaya Sanhita (BNS), the crime of 'Sedition' has been replaced by:

- (a) Section 150 (Acts endangering sovereignty, unity and integrity of India)
- (b) Section 302
- (c) Section 377
- (d) Section 420

**Q35.** The 'Curzon Line' is the boundary between:

- (a) India and Pakistan
- (b) Poland and Russia
- (c) North and South Korea
- (d) USA and Canada

**Q36.** Armenia has unveiled a butterfly-based logo for COP17 featuring which endemic species?

- (a) Monarch Butterfly
- (b) Apollo Butterfly
- (c) Erivan Anomalous Blue
- (d) Swallowtail Butterfly

**Q37.** Who was the first Viceroy of India?

- (a) Lord Warren Hastings
- (b) Lord Canning
- (c) Lord Mountbatten
- (d) Lord Dalhousie

**Q38.** Mitochondria are known as the powerhouse of the cell because they produce:

- (a) DNA
- (b) ATP
- (c) RNA
- (d) Glucose

**Q39.** The Pitt's India Act of 1784 was significant because it:

- (a) Established the Supreme Court in Calcutta.
- (b) Distinguished between the commercial and political functions of the Company.
- (c) Ended the Company's monopoly over tea trade.
- (d) Introduced the Portfolio system.

**Q40.** The 'Ramsar Convention' is related to the conservation of:

- (a) Tigers
- (b) Wetlands
- (c) Coral reefs
- (d) Elephants

**Q41.** Who is the author of the famous book "Hind Swaraj"?

- (a) Bal Gangadhar Tilak
- (b) Mahatma Gandhi
- (c) Jawaharlal Nehru
- (d) Sardar Patel

**Q42.** Which instrument is used to measure atmospheric pressure?

- (a) Hygrometer
- (b) Barometer
- (c) Ammeter
- (d) Altimeter

**Q43.** Which gland is often referred to as the 'Master Gland' of the human body?

- (a) Thyroid
- (b) Adrenal
- (c) Pituitary
- (d) Pancreas

**Q44.** Which type of volcanic eruption is characterized by the most explosive activity and high-viscosity lava?

- (a) Hawaiian
- (b) Strombolian
- (c) Plinian
- (d) Icelandic

**Q45.** The process of 'Nitrification' in the nitrogen cycle involves:

- (a) Conversion of nitrogen gas to ammonia
- (b) Conversion of ammonia to nitrites and then nitrates
- (c) Release of nitrogen back into the atmosphere
- (d) Absorption of nitrogen by animals

**Q46.** Assertion (A): In the Demographic Transition Model, India is currently in the late third stage.

Reason (R): Birth rates are falling significantly while death rates have already stabilized at a low level.\*\*

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

**Q47.** The value of 'g' (acceleration due to gravity) is minimum at:

- (a) The Equator
- (b) The North Pole
- (c) The South Pole
- (d) The center of the Earth

**Q48.** Which river is known as the "Sorrow of Bihar"?

- (a) Gandak
- (b) Kosi
- (c) Son
- (d) Ghaghara

**Q49.** Which layer of the atmosphere contains Ozone Layer?

- (a) Troposphere
- (b) Stratosphere
- (c) Mesosphere
- (d) Thermosphere

**Q50.** The Eighth Schedule of the Indian Constitution originally contained how many languages?

- (a) 14
- (b) 18
- (c) 22
- (d) 15

**Q51.** P and Q start a business. P invests ₹90,000 for 8 months, Q invests ₹1,50,000 for 5 months. What is Q's share of a ₹50,000 profit(approximate)?

- (a) ₹20,000
- (b) ₹32,000
- (c) ₹35,000
- (d) ₹25,510

**Q52.** Rajesh started a business by investing ₹1,00,000. After 5 months, Suresh joined with ₹1,50,000. At the end of 7 months from the start, Tushar joined with ₹2,00,000. If the total profit is ₹1,50,000 at the end of the year, find the share of Tushar(approximate) .

- (a) ₹55,000
- (b) ₹46,154
- (c) ₹45,250
- (d) ₹35,500

**Q53.** What is the average of all integers between 150 and 300 that are exactly divisible by 13?

- (a) 220
- (b) 227.5
- (c) 230
- (d) 235.5

**Q54.** The average of 12 numbers is 75. The average of the first 5 numbers is 68. The average of the next 5 numbers is 20% more than the average of the first 5 numbers. The 11th number is 12 more than the 12th number. What is the average of the 11th and 12th numbers?

- (a) 72.5
- (b) 76
- (c) 82.3
- (d) 88

**Q55.** A landlord bought a property for ₹12,00,000. He wants to earn a 10% annual return on his investment after paying ₹2,500 per month for maintenance. What should be the monthly rent he charges?

- (a) ₹9,500
- (b) ₹10,000
- (c) ₹12,500
- (d) ₹11,000

**Q56.** From a sample of 250 data scientists, determine the ratio of those proficient in Python to those proficient in R.

Category	Number of Data Scientists
Proficient in Python and R	50
Proficient in Python only	80
Proficient in R only	70
Proficient in neither language	50
Total Sample Size	250

- (a) 13:12
- (b) 12:13
- (c) 8:7
- (d) 7:8



**Q57.** Arrange the fractions  $7/11$ ,  $5/9$ ,  $4/7$ , and  $3/5$  in ascending order.

- (a)  $3/5$ ,  $4/7$ ,  $5/9$ ,  $7/11$
- (b)  $5/9$ ,  $4/7$ ,  $3/5$ ,  $7/11$
- (c)  $3/5$ ,  $5/9$ ,  $4/7$ ,  $7/11$
- (d)  $4/7$ ,  $5/9$ ,  $7/11$ ,  $3/5$

**Q58.** Evaluate:

$$8\frac{1}{3} - \left[ \frac{7}{9} \div \left\{ \frac{2}{5} - \left( \frac{1}{3} \times \left( \frac{5}{6} - \frac{1}{6} \right) \right) \right\} \right]$$

- (a)  $-41/15$
- (b)  $45/23$
- (c)  $95/24$
- (d)  $32/3$

**Q59.**  $32^3 + 19^3 - 38^3 + 312$  is equal to:

- (a)  $-38520$
- (b)  $-26840$
- (c)  $-14933$
- (d)  $-52100$

**Q60.** An amount is said to triple in 6 years with compound interest. How many years will it take for the amount to grow to 27 times its original value?

- (a) 18
- (b) 19
- (c) 20
- (d) 21

**Q61.** A company produced 1500 units at a total cost of ₹1,20,000. It donated 300 units to an NGO. For the rest, it announced a 15% discount on the market price of ₹110 per unit. It also offered 3 units free for every 10 units purchased. If all 1500 units were distributed, what is the overall gain or loss percentage?

- (a) 25% loss
- (b) 15% profit
- (c) 28.08% loss
- (d) 36.6% profit

**Q62.** A 50-litre mixture contains juice and water in the ratio 3:2. How much water (in litres) must be added to this mixture to change the ratio of juice to water to 3:4?

- (a) 12 litres
- (b) 15 litres
- (c) 18 litres
- (d) 20 litres

**Q63.** Priya purchased 30 litres of honey at ₹50 per litre. She also purchased 20 litres of honey at ₹55 per litre. She combined both quantities and then sold the entire mixture at ₹54 per litre. What was her total profit or loss?

- (a) Loss of ₹60
- (b) Profit of ₹100
- (c) Profit of ₹120
- (d) Loss of ₹120

**Q64.** A sum becomes ₹7,200 in 2 years and ₹8,640 in 3 years at compound interest. What is the original principal?

- (a) ₹4,800
- (b) ₹5,000
- (c) ₹5,200
- (d) ₹5,500

**Q65.** An express train covers a fixed distance in 40 minutes at an average speed of 200 km/h. Due to construction work, it needs to be diverted, increasing the distance by 25%. If the train needs to arrive at its destination on time (in 40 minutes), what should its new average speed be in km/h?

- (a) 250 km/h
- (b) 260 km/h
- (c) 270 km/h
- (d) 280 km/h

**Q66.** A circular garden having a radius of 28 cm. If 80% of it is cultivated, what is the area of garden remaining uncultivated?

- (a)  $193.6 \text{ cm}^2$
- (b)  $246.4 \text{ cm}^2$
- (c)  $492.8 \text{ cm}^2$
- (d)  $615.4 \text{ cm}^2$

**Q67.** Two motorcycles, M and N, start from points 480 km apart. They travel at constant speeds. If they move towards each other, they meet in 5 hours. If they move in the same direction, they meet in 15 hours. What is the speed of motorcycle M? (Assume M is the faster motorcycle)

- (a) 55 km/h
- (b) 64 km/h
- (c) 70 km/h
- (d) 80 km/h

**Q68.** Two spices priced at ₹80 per kg and ₹160 per kg are blended. They are sold at ₹140 per kg, achieving a profit margin of 25%. What is the ratio of the two spices in the mixture?

- (a) 3:2
- (b) 2:1
- (c) 1:2
- (d) 3:1

**Q69.** X is able to complete a task in 12 days, while Y takes 18 days to finish the same task. If they collaborate and work together for 3 days, what fraction of the work will still remain?

- (a)  $\frac{1}{3}$
- (b)  $\frac{5}{12}$
- (c)  $\frac{7}{12}$
- (d)  $\frac{9}{12}$

**Q70.** Three pumps, A, B, and C are capable of filling a reservoir. A fills in 5 hours, B in 7 hours, and C in 10 hours. When all three pumps are opened together, they operate for 1.5 hours before pump C is closed. How much additional time will it take to completely fill the reservoir after that?

- (a)  $\frac{1}{2}$  hours
- (b)  $\frac{43}{25}$  hours
- (c)  $\frac{47}{48}$  hours
- (d)  $\frac{45}{41}$  hours

**Q71.** A retailer marks a laptop 70% above its cost price. He offers a first discount of 20% on the marked price. During a sale, an additional discount of 15% is applied on the already discounted price. If the final selling price is ₹39,312, what is the approximate cost price of the laptop?

- (a) ₹28,000
- (b) ₹34,000
- (c) ₹32,000
- (d) ₹35,000

**Q72.** An annular region has outer radius 12 cm and inner radius 8 cm. What is the approximate ratio of the annular area to the whole outer circle?

- (a) 1:2
- (b) 5:9
- (c) 2:3
- (d) 3:4

**Q73.** A car wheel having a radius of 42 cm. What percentage of its circumference is covered in a half turn? (Use  $\pi = 22/7$ )

- (a) 25%
- (b) 40%
- (c) 50%
- (d) 60%

**Q74.** The line  $y = mx + 7$  passes through (2, 13). Find m.

- (a) 2
- (b) 3
- (c) 6
- (d) 5

**Q75.** Simplify:  $(3 + 2.8) - 1.5$

- (a) 3.2
- (b) 4.3
- (c) 5.4
- (d) 6.2

**Q76.** Find the part of the sentence that contains an error:

What makes the draft legislation especially contentious is not its proposed restructuring of fiscal authority per se, (1)/ but that it assumes, without empirical evidence, (2)/ a fiscal parity among states whose developmental starting points are (3)/ incomparable by any accepted standard. (4)

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

**Q77.** Change the following from active to passive:

They have been ignoring preservation of the records for years.

- (a) Preservation of the records had been ignored by them for years.
- (b) Preservation of the records is being ignored by them for years.
- (c) Preservation of the records was being ignored by them for years.
- (d) Preservation of the records has been being ignored by them for years.

**Q78.** Convert the sentence provided below from its passive voice structure to an active voice structure:

It was being reported by several sources that the mission had been compromised internally.

- (a) Several sources were reporting that the mission had been compromised internally.
- (b) The mission was compromised, several sources reported.
- (c) The sources were reporting an internal mission compromise.
- (d) The mission had compromised several internal sources.

**Q79.** Select the correct option:

The company expanded so quickly that its systems could \_\_\_\_\_ keep up.

- (a) barely
- (b) merely
- (c) scarcely
- (d) all but

**Q80.** Rearrange the following sentences in correct order to make a logical passage:

1. A communication strategy was developed using outreach insights.
2. Demographic data was monitored through campaign dashboards.
3. User engagement was gathered from multiple platforms.
4. Analysts classified users according to age and behaviour.

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

**Q81.** Rearrange the following sentences to form a coherent paragraph:

1. It is a process that involves systematic and objective examination of a subject to uncover new facts or verify existing ones.
2. Research serves as a fundamental pillar of academic and scientific advancement.
3. This may be either theoretical, intended to broaden knowledge, or applied, designed to address a practical problem.
4. The results of this investigation are then recorded and peer-reviewed to ensure validity and credibility.

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

**Q82.** A sentence is provided in indirect speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding direct speech.

He said that he would attend the meeting after the meal.

- (a) "I will attend the meeting after the meal," he said.
- (b) "I would attend the meeting after the meal," he said.
- (c) "I shall attend the meeting after the meal," he said.
- (d) "I can attend the meeting after the meal," he said.

**Q83.** Find the part of the sentence that contains an error:

That the report overlooked several underlying causes (1)/ behind the public unrest were surprising (2)/ given the volume of evidence (3)/ collected over the past few months. (4)

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

**Q84.** Choose the correct one-word substitute for: 'A person who speaks two languages fluently'.

- (a) Accusation
- (b) Denunciation
- (c) Bilingual
- (d) Indictment

**Q85.** Choose the most suitable option to replace the highlighted part of the sentence:

The doctor advised him to stop consuming junk food and doing workouts regularly.

- (a) stopping junk food and doing regular workouts
- (b) to stop junk food and to workouts regularly
- (c) to stop consuming junk food and to work out regularly
- (d) to not consume junk food and do workouts

**Q86.** Select the correct option:

Even though the phenomenon is uncommon, it may still occur \_\_\_\_\_ prolonged drought conditions.

- (a) towards
- (b) amidst
- (c) between
- (d) under

**Q87.** Spot the correct spelling of a CSF-shunt procedure.

- (a) Ventriculoatrial
- (b) Ventriculoartial
- (c) Ventriculoatriall
- (d) Ventriculoateriel

**Q88.** Choose the correct meaning of idiom:

At sixes and sevens

- (a) A dilemma between two evils
- (b) A free and fair decision
- (c) In complete confusion
- (d) A selection made under duress

**Q89.** Identify the misspelt word

- (a) Vicereine
- (b) floccinaucinihilipilification
- (c) Defenestrate
- (d) Sacrilegous

**Q90.** Select the most appropriate synonym of the given word:

DUPLICITOUS

- (a) Honest
- (b) Faithful
- (c) Deceitful
- (d) loyal

**Directions (91-95):** Read the following passage and answer the questions based on the passage:

Education and wisdom are frequently treated as interchangeable in everyday discourse, yet a perceptive observer recognises a clear and essential distinction between them. Education refers to the structured acquisition of knowledge, typically validated through degrees, academic achievements, and mastery of formal disciplines. It is imparted via organized curricula, institutional evaluation systems, and theoretical models that emphasize intellectual competence.

Wisdom, however, extends beyond formal learning. It represents the thoughtful and ethical application of knowledge in real-world situations, shaped by experience, self-reflection, emotional intelligence, and moral awareness. A person may be highly educated and still lack wisdom if they are unable to translate learning into sound judgement or responsible action. In contrast, many individuals—such as farmers, craftsmen, or elders—may possess limited formal education, yet demonstrate remarkable wisdom through prudent choices informed by lived experience and practical insight.

While education sharpens the intellect, wisdom deepens understanding. In the modern age of information overload and algorithm-driven thinking, the gap between education and wisdom has become increasingly pronounced. Educational systems often prioritise rote learning, examination performance, and standardized outcomes, sometimes at the expense of critical thinking, ethical reasoning, and emotional maturity. As a result, society produces individuals adept at solving technical problems but less capable of making balanced decisions that require empathy, patience, and foresight.

Unlike education, wisdom cannot be downloaded, accelerated, or certified. It develops gradually through trial and error, failure, reflection, and a nuanced comprehension of human behaviour. Moreover, education is often temporally limited, concluding with academic milestones or formal qualifications, whereas wisdom is a lifelong pursuit. It reveals itself not through certificates, but through humility, consistency in ethical conduct, and the capacity to navigate uncertainty with clarity and grace.

Ultimately, the highest form of intelligence lies not merely in knowing what is right, but in consistently choosing to act upon it—even when doing so is difficult or inconvenient.

**Q91.** As per the passage, wisdom is mainly developed through:

- (a) textbooks
- (b) emotional detachment
- (c) experience and reflection
- (d) algorithmic thinking

**Q92.** What is implied by the statement “wisdom enriches the soul”?

- (a) It leads to academic achievement
- (b) It nurtures profound moral understanding
- (c) It enhances language skills
- (d) It strengthens numerical ability

**Q93.** According to the author, which individuals may possess wisdom even without formal education?

- (a) Corporate executives
- (b) Academicians
- (c) Farmers and craftsmen
- (d) Policy analysts

**Q94.** What key distinction does the passage primarily highlight?

- (a) Education and career growth
- (b) Intelligence and memory
- (c) Reading and writing skills
- (d) Formal learning and applied wisdom

**Q95.** As per the author, what has contributed to the growing divide between education and wisdom in modern times?

- (a) Excessive reliance on social media
- (b) Decline in the value placed on wisdom
- (c) Emphasis on rote learning and algorithmic approaches
- (d) Cessation of learning after formal education

**Q96.** Select the correct option:

Even though the plan looked workable on paper, executing it turned out to be \_\_\_\_\_ complicated than expected.

- (a) less
- (b) more
- (c) much
- (d) rather

**Q97.** Select the most appropriate antonym of the given word.

DUPLICITOUS

- (a) Betraying
- (b) Deceitful
- (c) Candid
- (d) Treacherous

**Q98.** Choose the most suitable option to replace the highlighted part of the sentence:

She has the reputation to be an honest leader.

- (a) to have honesty
- (b) of being an honest leader
- (c) of being the honest leader
- (d) to be honesty

**Q99.** A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.

He asked me, "Did you submit your homework?"

- (a) He asked me if I had submitted my homework.
- (b) He asked me did I submit my homework.
- (c) He asked me whether I have submitted my homework.
- (d) He asked me whether had I submitted my homework.

**Q100.** Select the sentence containing the homonym of the highlighted word:

The choir began the canon at the conductor's signal.

- (a) The photographer adjusted the canon before taking the shot.
- (b) The canon echoed beautifully through the hall.
- (c) The singers practised the canon repeatedly before the performance.
- (d) The composer introduced a complex canon in the final movement.

## Solutions

### S1. Ans.(a)

**Sol.** Given:

A man said, "My father's wife's only son is the brother of your mother."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, the man is your Uncle.

Thus, correct option is (a).

### S2. Ans.(c)

**Sol.** Given: COLD : FRPE :: WARM : ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: 1st letter + 3, 2nd letter + 3, 3rd letter + 4 and 4th letter + 1 place.

For, COLD : FRPE

C + 3 = F, O + 3 = R, L + 4 = P, D + 1 = E

Similarly,

WARM : ?

W + 3 = Z, A + 3 = D, R + 4 = V, M + 1 = N

So, WARM : ZDVN

Thus, correct option is (c).

### S3. Ans.(a)

**Sol.** Given: XZYX, XYXX, XXWX, XWVX, ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: 1st letter common, 2nd letter - 1, 3rd letter - 1 and 4th letter is common.

For, 2nd letter

Z - 1 = Y, Y - 1 = X, X - 1 = W, W - 1 = V

For, 3rd letter



$Y - 1 = X, X - 1 = W, W - 1 = V, V - 1 = U$

So, the missing term is XVUX.

Thus, correct option is (a).

#### S4. Ans.(b)

**Sol.** Given:

A woman says, "She is my brother's wife's sister."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, the woman is sister-in-law the speaker.

Thus, correct option is (b).

#### S5. Ans.(a)

**Sol.** Question:

Rohit Sharma, Flat 203, Green Park, Delhi, 110016

Rohit Sharma, Flat-203, Green Park, Delhi, 110016

Rohit S., Flat 203, Green Park, Delhi, 110016

Rohit Sharma, Flat 203, Green Park, Delhi, 110015

Now, we check each options.

Option (a): 1 & 2 (Identical)

Name: Rohit Sharma → Same

Flat: Flat 203 vs Flat-203 → Same meaning

Area: Green Park, Delhi → Same

PIN: 110016 → Same

Option (b): 1 & 3

Rohit Sharma vs Rohit S. → Name not exactly same

Option (c): 2 & 4

PIN code: 110016 vs 110015 → Different

Option (d): 3 & 4

Name and PIN code both differ

So, 1 & 2 of the following addresses are identical.

Thus, correct option is (a).

#### S6. Ans.(d)

**Sol.** Given:

P is facing South.

Q is seated third to the left of P.

From the given information seating arrangement will be.



So, cannot be determined who is seated immediately to the right of Q.  
Thus, correct option is (d).

**S7. Ans.(a)**

**Sol.** Given: ETAGIROV : VORIGATE :: GNITSET : ?

Logic: Position of letters are interchanged.

For, ETAGIROV : VORIGATE



Similarly,

GNITSET : ?



So, GNITSET : TESTING

Thus, correct option is (a).

**S8. Ans.(a)**

**Sol.** Question:

Neha Verma 56, Rose Villa, Sector-9, Jaipur, 302017

Now, we check each options.

Option (a): Neha Verma 56, Rose Villa, Sector-9, Jaipur, 302017 (Matched)

Matches name, house number, address, sector, city, and PIN exactly

Option (b): Neha Verma 56, Rose Villas, Sector-9, Jaipur, 302017 (Not Matched)

"Rose Villa" vs "Rose Villas" (extra 's')

Option (c): Neha Verma, 56 Rose Villa, Sector-9, Jaipur, 302018 (Not Matched)

PIN code: 302017 vs 302018

Option (d): Neha Verma 65, Rose Villa, Sector-9, Jaipur, 302017 (Not Matched)

House number: 56 vs 65

Thus, correct option is (a).

**S9. Ans.(c)**

**Sol.** Now, we check each options.

Option (a): 6, 10, 14 → (arithmetic progressions common difference+ 4)

Option (b): 3, 7, 11 → (arithmetic progressions common difference + 4)

Option (c): 8, 16, 24 → (multiple of 8)

Option (d): 9, 13, 17 → (arithmetic progressions common difference + 4)

So, 8, 16, 24 is odd one out.

Thus, correct option is (c).

### S10. Ans.(a)

**Sol.** Give: Joule : Energy :: Newton : ?

Joule measures Energy.

Similarly,

Newton : ?

Newton measures Force.

Thus, correct option is (a).

### S11. Ans.(b)

**Sol.** Given: 8 @ 3 # 4 % 6 \$ 2

Given Symbol	@	#	\$	%
New Sign	×	-	÷	+

Using BODMAS rule.

Operation	Symbol
Brackets	[], (), {}
Orders, of	(power), √(root), of
Division	÷
Multiplication	×
Addition	+
Subtraction	-

New equation:  $8 \times 3 - 4 + 6 \div 2 = ?$

$8 \times 3 - 4 + 3 = ?$

$24 - 4 + 3 = ?$

$20 + 3 = ?$

$? = 23$

Thus, correct option is (b).

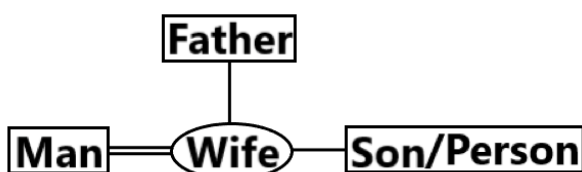
### S12. Ans.(a)

**Sol.** Given:

A man said, "The person is my wife's father's only son."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, the person is brother-in-law of the man.

Thus, correct option is (a).

**S13. Ans.(d)**

**Sol.** Logic: Letters and numbers are decreasing + 2 place.

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Now, we check each options.

Option (a): C3 : E5 : G7 (Follow)

$C + 2 = E$ ,  $E + 2 = G$

$3 + 2 = 5$ ,  $5 + 2 = 7$

Option (b): D4 : F6 : H8 (Follow)

$D + 2 = F$ ,  $F + 2 = H$

$4 + 2 = 6$ ,  $6 + 2 = 8$

Option (c): E5 : G7 : I9 (Follow)

$E + 2 = G$ ,  $G + 2 = I$

$5 + 2 = 7$ ,  $7 + 2 = 9$

Option (d): F6 : H8 : J11 (Not Follow)

$F + 2 = H$ ,  $H + 2 = J$

$6 + 2 = 8$ ,  $8 + 2 \neq 11$

Thus, correct option is (d).

**S14. Ans.(a)**

**Sol.** Given: 5, 14, 9, 18, 13, 22, 17, ?

Logic: Numbers are increasing + 4 place alternately.

$5 + 4 = 9$

$14 + 4 = 18$

$9 + 4 = 13$

$18 + 4 = 22$

$13 + 4 = 17$

$22 + 4 = 26$

So, the missing term is 26.

Thus, correct option is (a).

**S15. Ans.(c)**

**Sol.** Given: BF : KL :: DK : ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: 1st letter + 9 and 2nd letter + 6 place.

For, BF : KL

$$B + 9 = K, F + 6 = L$$

Similarly,

DK : ?

$$D + 9 = M, K + 6 = Q$$

So, DK : MQ

Thus, correct option is (c).

**S16. Ans.(c)**

**Sol.** Given: ACE, DFH, GIK, JLN, ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are increasing + 3 place.

$$A + 3 \rightarrow D, D + 3 \rightarrow G, G + 3 \rightarrow J, J + 3 \rightarrow M$$

$$C + 3 \rightarrow F, F + 3 \rightarrow I, I + 3 \rightarrow L, L + 3 \rightarrow O$$

$$E + 3 \rightarrow H, H + 3 \rightarrow K, K + 3 \rightarrow N, N + 3 \rightarrow Q$$

So, the missing term is MOQ.

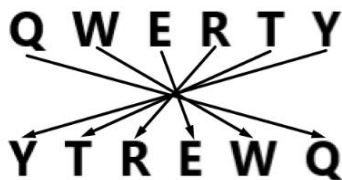
Thus, correct option is (c).

**S17. Ans.(d)**

**Sol.** Given: QWERTY : YTREWQ :: ASDFGH : ?

Logic: Position of letters are interchanged.

For, QWERTY : YTREWQ



Similarly,

ASDFGH : ?



So, ASDFGH : HGFDSA

Thus, correct option is (d).

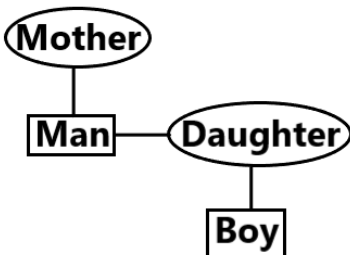
**S18. Ans.(b)**

**Sol.** Given:

Pointing to a boy, a man said, "He is the son of the only daughter of my mother."

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



So, the boy is nephew of the man.

Thus, correct option is (b).

**S19. Ans.(a)**

**Sol.** Given: BDHJ, CEIK, DFJL, EGKM, ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are increasing + 1 place.

$B + 1 = C$ ,  $C + 1 = D$ ,  $D + 1 = E$ ,  $E + 1 = F$

$D + 1 = E$ ,  $E + 1 = F$ ,  $F + 1 = G$ ,  $G + 1 = H$

$H + 1 = I$ ,  $I + 1 = J$ ,  $J + 1 = K$ ,  $K + 1 = L$

$J + 1 = K$ ,  $K + 1 = L$ ,  $L + 1 = M$ ,  $M + 1 = N$

So, the missing term is FHLN.

Thus, correct option is (a).

**S20. Ans.(a)**

**Sol.** Given: DHL, HLP, LPT, PTX, ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are increasing + 4 place.

$D + 4 \rightarrow H$ ,  $H + 4 \rightarrow L$ ,  $L + 4 \rightarrow P$ ,  $P + 4 \rightarrow T$

$H + 4 \rightarrow L, L + 4 \rightarrow P, P + 4 \rightarrow T, T + 4 \rightarrow X$

$L + 4 \rightarrow P, P + 4 \rightarrow T, T + 4 \rightarrow X, X + 4 \rightarrow B$

So, the missing term is TXB.

Thus, correct option is (a).

### S21. Ans.(a)

**Sol.** Given: CFI, HJL, MNO, RRR, ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: 1st letter + 5, 2nd letter + 4 and 3rd letter + 3 place.

For, 1st letter

$C + 5 \rightarrow H, H + 5 \rightarrow M, M + 5 \rightarrow R, R + 5 \rightarrow W$

For, 2nd letter

$F + 4 \rightarrow J, J + 4 \rightarrow N, N + 4 \rightarrow R, R + 4 \rightarrow V$

For, 3rd letter

$I + 3 \rightarrow L, L + 3 \rightarrow O, O + 3 \rightarrow R, R + 3 \rightarrow U$

So, the missing term is WVU.

Thus, correct option is (a).

### S22. Ans.(d)

**Sol.** Logic: Letters and numbers are decreasing - 2 place.

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Now, we check each options.

Option (a): J10 : H8 : F6 (Follow)

$J - 2 = H, H - 2 = F$

$10 - 2 = 8, 8 - 2 = 6$

Option (b): M13 : K11 : I9 (Follow)

$M - 2 = K, K - 2 = I$

$13 - 2 = 11, 11 - 2 = 9$

Option (c): P16 : N14 : L12 (Follow)

$P - 2 = N, N - 2 = L$

$16 - 2 = 14, 14 - 2 = 12$

Option (d): Q17 : O15 : L12 (Not Follow)

$Q - 2 = O, O - 2 \neq L$

$17 - 2 = 15, 15 - 2 \neq 12$

Thus, correct option is (d).

### S23. Ans.(b)

**Sol.** Given: Nile : Africa :: Danube : ?

Nile is in Africa.

Similarly,

Danube : ?

Danube flows in Europe.

Thus, correct option is (b).

### S24. Ans.(a)

**Sol.** Given: 3, 5, 7, 11, 13, 17, 19, 21

3 → Prime

5 → Prime

7 → Prime

11 → Prime

13 → Prime

17 → Prime

19 → Prime

21 → Not prime

All numbers except 21 are prime numbers.

So, 21 is odd one out.

Thus, correct option is (a).

### S25. Ans.(c)

**Sol.** Given: TEACHING

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Given Letters	T	E	A	C	H	I	N	G
Alphabetical Order	A	C	E	G	H	I	N	T

New word: ACEGHINT

So, 3 letters are between the 3rd from left and 2nd from right.

Thus, correct option is (c).

### S26. Ans.(d)

**Sol.** The correct answer is (d) All of the above.

- The 106th Amendment introduced Articles 330A and 332A.
- It also amended Article 239AA for Delhi Legislative Assembly.
- Provides 33% reservation for women in Lok Sabha and State Assemblies.

Information Booster:

- Known as Nari Shakti Vandan Adhiniyam.
- Passed in 2023.
- Reservation to be implemented after delimitation.

Additional Knowledge:

- Reservation is rotational in nature.
- It strengthens women's political representation.



**S27. Ans.(b)**

**Sol.** The correct answer is (b) Ravi, Beas, Satluj.

- India has full rights over the Eastern Rivers.
- Pakistan controls the Western Rivers.
- Treaty ensured water-sharing stability.

Information Booster:

- Treaty signed in 1960.
- Mediated by the World Bank.
- Considered one of the most durable water treaties.

Additional Knowledge:

- Western rivers: Indus, Jhelum, Chenab.
- India has limited non-consumptive use on Western rivers.

**S28. Ans.(c)**

**Sol.** The correct answer is (c) Tianshan Shengli Tunnel.

- China has opened the Tianshan Shengli Tunnel, the world's longest expressway tunnel.
- The tunnel is 22.13 km long and is located in the Xinjiang Uygur Autonomous Region.
- It is part of the G0711 Urumqi-Yuli Expressway, connecting northern and southern Xinjiang.

Information Booster :

- The tunnel passes through the Tianshan Mountains and reduces travel time across the range to about 20 minutes.
- It crosses 16 geological fault zones and has a maximum burial depth of 1,112 metres.
- The project was completed using China's indigenously developed hard-rock Tunnel Boring Machine (TBM).
- It is designed to function in extreme cold and high-altitude conditions, highlighting China's advanced engineering capability.

**S29. Ans.(c)**

**Sol.** The correct answer is (c) 2030.

- Indian Railways has announced a plan to double originating train capacity in 48 major cities by the year 2030.
- The initiative is aimed at easing congestion at busy railway terminals and meeting rising passenger demand.
- It is part of the long-term rail infrastructure modernisation strategy of the Government of India.

**S30. Ans.(b)**

**Sol.** The correct answer is (b) Dholavira.

- Dholavira had an advanced water management system.
- Rainwater was collected through reservoirs and channels.
- It reflects Harappan engineering excellence.

Information Booster:

- Located in Kutch, Gujarat.
- Features large stone reservoirs.
- Recognized as a UNESCO World Heritage Site (2021).

Additional Knowledge:

- Lothal is famous for dockyard.
- Kalibangan is known for ploughed fields.

**S31. Ans.(b)**

**Sol.** The correct answer is (b) Reduce the use of chemical fertilizers by promoting alternatives.

- PM-PRANAM incentivizes reduction in chemical fertilizer usage.
- Encourages adoption of organic and natural farming.
- States are rewarded for fertilizer savings.

Information Booster:

- Full form: Program for Restoration, Awareness, Nourishment and Amelioration of Mother Earth.
- Supports sustainable agriculture goals.
- Linked with soil health improvement.

Additional Knowledge:

- Complements organic farming initiatives.
- Helps reduce fiscal burden of fertilizer subsidies.

**S32. Ans.(a)**

**Sol.** The correct answer is (a) British and French.

- The battle marked the decisive defeat of the French in India.
- It established British supremacy in the Carnatic region.

Information Booster:

- Fought in 1760 in Tamil Nadu.
- British commander: Sir Eyre Coote.
- French commander: Count de Lally.

Additional Knowledge:

- It ended the Third Carnatic War.
- French influence in India declined sharply afterward.

**S33. Ans.(b)**

**Sol.** The correct answer is (b) Qubit.

- A qubit can exist in superposition of 0 and 1 simultaneously.
- This enables massive parallel computation.
- It forms the foundation of quantum computing.

Information Booster:

- Superposition and entanglement give quantum advantage.
- Qubits can be implemented using photons, ions, or superconductors.
- Quantum computers excel in cryptography and optimization problems.

Additional Knowledge:

- Classical bits hold only one value at a time.
- Logic gates and transistors are classical computing components.

**S34. Ans.(a)**

**Sol.** The correct answer is (a) Section 150.

- BNS removed the term sedition.
- Introduced specific provisions against acts threatening sovereignty.
- Focus shifted to clear and defined offenses.

Information Booster:

- BNS replaces the Indian Penal Code, 1860.
- Enforced from 2024.
- Emphasizes national security with precise language.

Additional Knowledge:

- Section 302 relates to murder.
- Section 420 deals with cheating.

**S35. Ans.(b)**

**Sol.** The correct answer is (b) Poland and Russia.

- The Curzon Line was proposed as Poland's eastern boundary.
- It was suggested after World War I.
- Named after British Foreign Secretary Lord Curzon.

Information Booster:

- Proposed in 1919–1920.
- Later influenced borders after World War II.
- Roughly follows ethnic divisions in Eastern Europe.

Additional Knowledge:

- It has no relation to South Asian boundaries.
- Modern borders differ slightly from the original proposal.

**S36. Ans.(c)**

**Sol.** The correct answer is (c) Erivan Anomalous Blue.

- Armenia has officially unveiled the logo for COP17 featuring the Erivan Anomalous Blue butterfly.
- The scientific name of the species is *Polyommatus eriwanensis*.
- The butterfly is endemic to Armenia and is found only in and around Yerevan.
- The logo is accompanied by the slogan "Taking action for nature", highlighting the need for concrete biodiversity action.

Information Booster :

- COP17 refers to the 17th Conference of the Parties to the Convention on Biological Diversity.
- COP17 will be hosted by Armenia in Yerevan in October 2026.
- The logo uses 23 blended colours, symbolising the 23 global targets of the Kunming–Montreal Global Biodiversity Framework.
- Butterflies are considered bio-indicators, as their populations quickly reflect ecosystem stress and environmental change.

**S37. Ans.(b)**

**Sol.** The correct answer is (b) Lord Canning.

- Lord Canning became the first Viceroy after the Crown took control.
- His tenure followed the Revolt of 1857.
- Marked the beginning of direct British rule.

Information Booster:

- Government of India Act 1858 created the post of Viceroy.
- He was also the last Governor-General of India.
- Known for policies of reconciliation.

Additional Knowledge:

- Warren Hastings was the first Governor-General.
- Mountbatten was the last Viceroy.

**S38. Ans.(b)**

**Sol.** The correct answer is (b) ATP.

- Mitochondria generate ATP through cellular respiration.
- ATP is the primary energy currency of the cell.

- Energy is released during oxidative phosphorylation.

Information Booster:

- ATP stands for Adenosine Triphosphate.
- Mitochondria have their own DNA.
- They are abundant in energy-demanding cells like muscles.

Additional Knowledge:

- Glucose is broken down to produce ATP.
- Ribosomes synthesize proteins, not ATP.

### S39. Ans.(b)

**Sol.** The correct answer is (b) Distinguished between the commercial and political functions of the Company.

- The Act separated Company's trade and governance roles.
- Political control was placed under British oversight.
- Strengthened state control over Company rule.

Information Booster:

- Established the Board of Control.
- Passed in 1784.
- Reduced Company autonomy in India.

Additional Knowledge:

- Supreme Court was created earlier under Regulating Act, 1773.
- Tea trade monopoly ended later in the 19th century.

### S40. Ans.(b)

**Sol.** The correct answer is (b) Wetlands.

- The Ramsar Convention focuses on conservation and wise use of wetlands.
- It is an intergovernmental environmental treaty.
- Promotes sustainable management of wetland ecosystems.

Information Booster:

- Adopted in 1971 in Ramsar, Iran.
- Came into force in 1975.
- India became a signatory in 1982.

Additional Knowledge:

- Ramsar Sites are wetlands of international importance.
- Wetlands help in flood control and biodiversity conservation.

### S41. Ans.(b)

**Sol.** The correct answer is (b) Mahatma Gandhi.

- "Hind Swaraj" was written by Gandhi during his return voyage from London.
- It presents his critique of modern civilization.
- Advocates self-rule based on moral and ethical values.

Information Booster:

- Written in 1909.
- Originally written in Gujarati.
- Also known as *Indian Home Rule*.

Additional Knowledge:

- The book rejects violent resistance.
- It influenced Gandhian philosophy and mass movements.

**S42. Ans.(b)**

**Sol.** The correct answer is (b) Barometer.

- A barometer measures atmospheric pressure.
- Pressure changes help in weather prediction.
- Lower pressure often indicates stormy weather.

Information Booster:

- Invented by Evangelista Torricelli in 1643.
- Mercury and aneroid barometers are common types.
- Standard atmospheric pressure = 1013.25 millibars.

Additional Knowledge:

- Hygrometer measures humidity.
- Altimeter measures altitude using pressure changes.

**S43. Ans.(c)**

**Sol.** The correct answer is (c) Pituitary.

- Pituitary gland controls most other endocrine glands.
- It secretes hormones regulating growth, metabolism, and reproduction.
- Hence called the "Master Gland."

Information Booster:

- Located at the base of the brain.
- Connected to the hypothalamus.
- Secretes GH, TSH, ACTH, FSH, LH.

Additional Knowledge:

- Thyroid regulates metabolism.
- Adrenal glands manage stress hormones.
- Pancreas controls blood sugar.

**S44. Ans.(c)**

**Sol.** The correct answer is (c) Plinian.

- Plinian eruptions are the most explosive type of volcanic eruptions.
- They involve high-viscosity, silica-rich magma, which traps gases.
- This leads to towering ash columns and widespread pyroclastic material.

Information Booster:

- Named after Pliny the Younger, who described the AD 79 Vesuvius eruption.
- Ash columns can rise 20–35 km into the stratosphere.
- Often associated with andesitic to rhyolitic magma.
- Responsible for major climatic impacts due to ash and aerosols.

Additional Knowledge:

- Hawaiian eruptions are gentle with low-viscosity lava.
- Strombolian eruptions are moderately explosive.
- Icelandic eruptions involve fissure lava flows, not extreme explosions.

**S45. Ans.(b)**

**Sol.** The correct answer is (b) Conversion of ammonia to nitrites and then nitrates.

- Nitrification is a two-step aerobic process.
- Ammonia is first converted to nitrites, then to nitrates.
- This makes nitrogen usable for plants.

Information Booster:

- Performed by Nitrosomonas and Nitrobacter bacteria.
- Occurs mainly in soil and water.
- Nitrates are easily absorbed by plant roots.

Additional Knowledge:

- Option (a) is nitrogen fixation.
- Option (c) is denitrification.
- Animals obtain nitrogen indirectly through food.

#### S46. Ans.(a)

**Sol.** The correct answer is (a) Both A and R are true, and R is the correct explanation of A.

- India has low and stable death rates due to healthcare improvements.
- Birth rates are declining but remain above replacement level.
- This pattern matches the late third stage of demographic transition.

Information Booster:

- Replacement level fertility  $\approx 2.1$  children per woman.
- India's Total Fertility Rate is near 2.0.
- Population growth rate is slowing but remains positive.

Additional Knowledge:

- Stage IV represents low birth and low death rates.
- India is expected to enter Stage IV in coming decades.

#### S47. Ans.(d)

**Sol.** The correct answer is (d) The center of the Earth.

- At the Earth's center, gravitational forces cancel out.
- Hence, acceleration due to gravity becomes zero.

Information Booster:

- At the surface,  $g \approx 9.8 \text{ m/s}^2$ .
- $g$  is minimum at the equator due to rotation and bulge.
- $g$  is maximum at the poles.

Additional Knowledge:

- Inside Earth,  $g$  decreases linearly with depth.
- Earth's rotation affects surface gravity distribution.

#### S48. Ans.(b)

**Sol.** The correct answer is (b) Kosi.

- The Kosi River is infamous for frequent floods in Bihar.
- It often changes its course, causing large-scale devastation.
- Hence, it is called the "Sorrow of Bihar."

Information Booster:

- Kosi originates in the Himalayas of Nepal.
- Known for heavy silt deposition.
- Major floods occurred in 2008 and earlier decades.
- Kosi basin supports agriculture but poses disaster risk.

Additional Knowledge:

- Gandak and Ghaghara also cause floods but less severe.
- Son River is comparatively stable.

**S49. Ans.(b)**

**Sol.** The correct answer is (b) Stratosphere.

- The ozone layer lies in the lower stratosphere.
- It absorbs harmful ultraviolet (UV) radiation.
- Essential for life on Earth.

Information Booster:

- Located at 15–35 km altitude.
- Ozone depletion led to Montreal Protocol (1987).
- Protects against skin cancer and ecological damage.

Additional Knowledge:

- Troposphere contains weather phenomena.
- Mesosphere burns meteors.
- Thermosphere hosts auroras.

**S50. Ans.(a)**

**Sol.** The correct answer is (a) 14.

- At the commencement of the Constitution, the Eighth Schedule listed 14 languages.
- These languages were given constitutional recognition.

Information Booster:

- The number increased to 22 languages over time.
- Major additions occurred through constitutional amendments.
- Languages like Sindhi, Konkani, Manipuri were added later.

Additional Knowledge:

- Inclusion provides official recognition, not national language status.
- Hindi and English remain official languages of the Union.

**S51. Ans.(d)**

**Sol.**

Given:  $P = 90000$  for 8 months,  $Q = 150000$  for 5 months  
 Total profit = 50000  
 Concept Used: Partnership based on capital and time  
 Formula Used: Profit ratio = Capital  $\times$  Time  
 Solution:  $P = 90000 \times 8 = 720000$ ,  $Q = 150000 \times 5 = 750000$   
 Ratio = 720000 : 750000 = 24 : 25  
 Sum of ratios = 49  
 $Q$ 's share =  $\frac{25}{49} \times 50000 = 25510.20$   
 Final Answer:  $Q$ 's share = 25510.20  $\approx$  25510

**S52. Ans.(b)**

**Sol.**

Given: Rajesh invests 100000 for 12 months, Suresh invests 150000 for 7 months, Tushar invests 200000 for 5 months  
 Total profit = 150000  
 Concept Used: Partnership based on capital and time  
 Formula Used: Profit ratio = Capital  $\times$  Time  
 Solution: Rajesh =  $100000 \times 12 = 1200000$ , Suresh =  $150000 \times 7 = 1050000$ , Tushar =  $200000 \times 5 = 1000000$   
 Ratio = 1200000 : 1050000 : 1000000 = 24 : 21 : 20  
 Sum of ratios = 65  
 Tushar's share =  $\frac{20}{65} \times 150000 = 46153.85$   
 Final Answer: Tushar's share = 46153.85  $\approx$  ₹46154

**S53. Ans.(b)**

**Sol.**

Given: Integers between 150 and 300 divisible by 13  
 Formula Used: Average =  $\frac{\text{First term} + \text{Last term}}{2}$   
 Solution:  $13 \times 12 = 156$ ,  $13 \times 23 = 299$   
 Average =  $\frac{156 + 299}{2} = \frac{455}{2} = 227.5$   
 Final Answer: 227.5



**S54. Ans.(b)**

**Sol.**

Given: Average of 12 numbers = 75  
 Average of first 5 numbers = 68  
 Next 5 numbers are 20% more than first 5  
 11th number is 12 more than 12th number  
 Formula Used: Sum = Average  $\times$  Number of observations  
 Solution: Sum of 12 numbers =  $12 \times 75 = 900$   
 Sum of first 5 numbers =  $5 \times 68 = 340$   
 Average of next 5 =  $68 + 20\% \times 68 = 81.6$   
 Sum of next 5 numbers =  $5 \times 81.6 = 408$   
 Sum of first 10 numbers =  $340 + 408 = 748$   
 Sum of 11th and 12th =  $900 - 748 = 152$   
 Let 12th number =  $x$   
 11th number =  $x + 12$   
 $x + (x + 12) = 152$   
 $2x + 12 = 152$   
 $2x = 140$   
 $x = 70$   
 11th number = 82  
 Average =  $\frac{70+82}{2} = 76$   
 Final Answer: 76

**S55. Ans.(c)**

**Sol.**

Given: Cost of property = 1200000  
 Required annual return = 10%  
 Monthly maintenance cost = 2500  
 Formula Used: Annual return = Investment  $\times \frac{\text{Rate}}{100}$   
 Net income = Gross income – Expenses  
 Solution: Required annual return =  $1200000 \times \frac{10}{100} = 120000$   
 Annual maintenance =  $2500 \times 12 = 30000$   
 Required annual rent =  $120000 + 30000 = 150000$   
 Monthly rent =  $\frac{150000}{12} = 12500$   
 Final Answer: Monthly rent = 12500

**S56. Ans.(a)**

**Sol.**

Formula Used: Total Python = Python only + Python and R  
 Total R = R only + Python and R  
 Solution: Total proficient in Python =  $80 + 50 = 130$   
 Total proficient in R =  $70 + 50 = 120$   
 Required ratio = 130:120 = 13:12  
 Final Answer: Ratio = 13:12

**S57. Ans.(b)**

**Sol.**

Given: Fractions =  $\frac{7}{11}, \frac{5}{9}, \frac{4}{7}, \frac{3}{5}$   
 Concept Used: Comparison of Fractions  
 Solution: Convert to decimals:  $\frac{5}{9} = 0.555 \dots \frac{4}{7} \approx 0.571$   
 $\frac{3}{5} = 0.6$   
 $\frac{7}{11} \approx 0.636$   
 Ascending order:  $\frac{5}{9} < \frac{4}{7} < \frac{3}{5} < \frac{7}{11}$

**S58. Ans.(c)**

**Sol.**

Given:  $8\frac{1}{3} - \left[ \frac{7}{9} \div \left\{ \frac{2}{5} - \left( \frac{1}{3} \times \left( \frac{5}{6} - \frac{1}{6} \right) \right) \right\} \right]$   
 Solution:  $8\frac{1}{3} - \left[ \frac{7}{9} \div \left\{ \frac{2}{5} - \left( \frac{1}{3} \times \left( \frac{5}{6} - \frac{1}{6} \right) \right) \right\} \right] = \frac{25}{3} - \left[ \frac{7}{9} \div \left\{ \frac{2}{5} - \left( \frac{1}{3} \times \frac{4}{6} \right) \right\} \right] = \frac{25}{3} - \left[ \frac{7}{9} \div \left\{ \frac{2}{5} - \frac{2}{9} \right\} \right] = \frac{25}{3} - \left[ \frac{7}{9} \div \frac{8}{45} \right] = \frac{25}{3} - \frac{35}{8} = \frac{200}{24} - \frac{105}{24} = \frac{95}{24}$

**S59. Ans.(c)**

**Sol.**

Given:  $32^3 + 19^3 - 38^3 + 312$   
 Solution:  $32^3 + 19^3 - 38^3 + 312 = 32768 + 19^3 - 38^3 + 312 = 32768 + 6859 - 38^3 + 312 = 39627 - 38^3 + 312 = 39627 - 54872 + 312 = -15245 + 312 = -14933$

**S60. Ans.(a)**

**Sol.**

Given: Amount triples in 6 years  
 Required multiple = 27  
 Formula Used:  $A = P(1 + r)^n$   
 Solution:  $(1 + r)^6 = 327 = 3^3$   
 $27 = (1 + r)^{6 \times 3}$   
 Required time = 18 years  
 Final Answer: 18 years



**S61. Ans.(c)**

**Sol.**

Given: Total units = 1500 Total cost = 120000 Units donated = 300 Market price = 110 Discount =

15% Offer: Buy 10 get 3 free Formula Used: Cost per unit =  $\frac{\text{Total cost}}{\text{Total units}}$  Discounted price = MP  $\times$

$\left(1 - \frac{d}{100}\right)$  Effective SP per unit =  $\frac{\text{Paid units price}}{\text{Total units}}$  Loss % =  $\frac{\text{Loss}}{\text{Total cost}} \times 100$  Solution: Cost per unit =  $\frac{120000}{1500} =$

80 Units sold = 1500 - 300 = 1200 Discounted SP =  $110 \times 0.85 = 93.5$  Effective SP per unit =  $\frac{10 \times 93.5}{13} =$

$\frac{935}{13}$  Total SP =  $1200 \times \frac{935}{13} = \frac{1122000}{13}$  Loss =  $120000 - \frac{1122000}{13} = 33692.31$  Loss % =  $\frac{33692.31}{120000} \times 100 \approx$

28.08% Final Answer: Overall loss  $\approx 28.08\%$

**S62. Ans.(d)**

**Sol.**

Given: Total mixture = 50 Juice : Water = 3 : 2 New ratio = 3 : 4 Formula Used: Quantity =  $\frac{\text{Ratio part}}{\text{Sum of ratio parts}} \times$

Total quantity Solution: Juice =  $\frac{3}{5} \times 50 = 30$  Water =  $\frac{2}{5} \times 50 = 20$  Let water added =  $x$   $\frac{30}{20+x} = \frac{3}{4} \Rightarrow 4 \times 30 = 3(20 +$

$x) \Rightarrow 120 = 60 + 3x \Rightarrow 3x = 60 \Rightarrow x = 20$  Final Answer: 20 litre

**S63. Ans.(b)**

**Sol.**

Given: 30 litres at 50 per litre 20 litres at 55 per litre Selling price of mixture = 54 per litre Formula Used: Total Cost =

$\sum (\text{Quantity} \times \text{Cost Price})$  Total Selling Price = Total Quantity  $\times$  Selling Price Profit = SP - CP Solution: Cost<sub>1</sub> =

$30 \times 50 = 1500$  Cost<sub>2</sub> =  $20 \times 55 = 1100$  Total Cost =  $1500 + 1100 = 2600$  Total Quantity =  $30 + 20 =$

50 Total SP =  $50 \times 54 = 2700$  Profit =  $2700 - 2600 = 100$  Final Answer: Profit = 100

**S64. Ans.(b)**

**Sol.**

Given: Amount after 2 years = 7200 Amount after 3 years = 8640 Formula Used:  $A = P(1 + r)^n$   $1 + r =$

$\frac{A_3}{A_2}$  Solution:  $1 + r = \frac{8640}{7200} = 1.2$   $(1 + r)^2 = (1.2)^2 = 1.44$   $P \times 1.44 = 7200$   $P = \frac{7200}{1.44} =$

5000 Final Answer: Principal = 5000

**S65. Ans.(a)**

**Sol.**

Given: Time = 40 minutes =  $\frac{2}{3}$  hours Original speed = 200 Increase in distance = 25% Formula Used: Speed =

$\frac{\text{Distance}}{\text{Time}}$  Solution: Original distance =  $200 \times \frac{2}{3} = \frac{400}{3}$  New distance =  $\frac{400}{3} \times \frac{5}{4} = \frac{500}{3}$  New speed =  $\frac{\frac{500}{3}}{\frac{2}{3}} = \frac{500}{2} =$

250 Final Answer: 250 km/hr

**S66. Ans.(c)**

**Sol.**

Given:  $r = 28$  Cultivated area = 80% Concept Used: Area of circle and percentage Formula Used: Area of circle =

$\pi r^2$  Uncultivated area =  $(100\% - \text{Cultivated \%}) \times \text{Total area}$  Solution: Total area =  $\frac{22}{7} \times 28^2 = \frac{22}{7} \times 784 =$

2464 Uncultivated % = 20% Uncultivated area =  $\frac{20}{100} \times 2464 = 492.8$  Final Answer: 492.8 cm<sup>2</sup>

**S67. Ans.(b)**

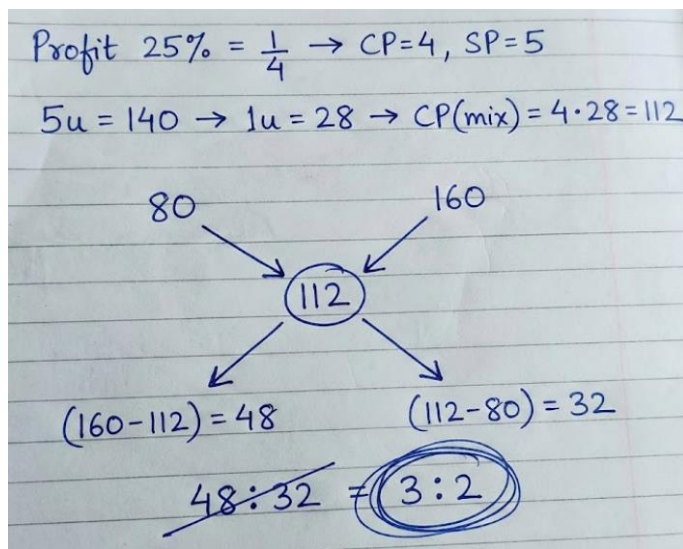
**Sol.**

Given: Distance = 480 Time towards each other = 5 Time in same direction = 15 M is faster  
Formula Used:  $v_M + v_N = \frac{\text{Distance}}{\text{Time}}$  Solution:  $v_M + v_N = \frac{480}{5} = 96$   
 $v_M - v_N = \frac{480}{15} = 32$   
Final Answer: 64 km/hr

**S68. Ans.(a)**

**Sol.**

Given: First spice price = 80 Second spice price = 160 Selling price = 140 Profit = 25%  
Formula Used: Cost Price =  $\frac{\text{Selling Price}}{1 + \frac{\text{Profit}}{100}}$  Solution: Cost price of mixture =  $\frac{140}{1.25} = 112$   
 $160 - 112 = 48$   
 $112 - 80 = 32$   
Ratio = 48 : 32 = 3 : 2  
Final Answer: 3 : 2  
Exam Hall Method:



**S69. Ans.(c)**

**Sol.**

Given: X completes work in 12 days Y completes work in 18 days They work together for 3 days  
Concept Used: Work and time  
Formula Used:  $\frac{1}{\text{Number of days}} \times \text{Total work} = \text{Daily work} \times \text{Time}$   
Solution: Work by X in one day =  $\frac{1}{12}$  Work by Y in one day =  $\frac{1}{18}$   
Combined work in one day =  $\frac{1}{12} + \frac{1}{18} = \frac{3+2}{36} = \frac{5}{36}$   
Work done in 3 days =  $3 \times \frac{5}{36} = \frac{15}{36} = \frac{5}{12}$   
Remaining work =  $1 - \frac{5}{12} = \frac{7}{12}$   
Final Answer:  $\frac{7}{12}$

**S70. Ans.(c)**

**Sol.**

Given: A fills in 5 hours B fills in 7 hours C fills in 10 hours All work for 1.5 hours  
Concept Used: Work and time  
Formula Used:  $\frac{1}{\text{Time required}} \times \text{Work done} = \text{Rate} \times \text{Time}$   
Solution: Rate of A =  $\frac{1}{5}$  Rate of B =  $\frac{1}{7}$  Rate of C =  $\frac{1}{10}$   
Combined rate =  $\frac{1}{5} + \frac{1}{7} + \frac{1}{10} = \frac{31}{70}$   
Work done in  $\frac{3}{2}$  hours =  $\frac{31}{70} \times \frac{3}{2} = \frac{93}{140}$   
Remaining work =  $1 - \frac{93}{140} = \frac{47}{140}$   
Rate of A and B =  $\frac{1}{5} + \frac{1}{7} = \frac{12}{35}$   
Time required =  $\frac{\frac{47}{140}}{\frac{12}{35}} = \frac{47}{48}$   
Final Answer:  $\frac{47}{48}$  hours

Exam Hall Method:

$$\begin{aligned} \text{LCM}(5, 7, 10) &= 70 \text{ (Total)} \\ \left. \begin{array}{l} A=14 \\ B=10 \\ C=7 \end{array} \right\} A+B+C &= 31 \\ 1.5 \text{ hr} \times 31 &= 46.5 \\ \text{Rem} &= 70 - 46.5 = 23.5 \\ \text{Time} &= \frac{23.5}{(14+10)} = \frac{23.5}{24} = \frac{47}{48} \text{ hr} \end{aligned}$$

**S71. Ans.(b)**

**Sol.**

Given: Marked price = 70% above cost price First discount = 20% Second discount = 15% Selling price = 39312  
Formula Used:  $MP = CP \times \left(1 + \frac{70}{100}\right)$   $SP = MP \times (1 - d_1) \times (1 - d_2)$   
Solution: Let  $CP = x$   $MP = 1.7x$   $SP = 1.7x \times 0.80 \times 0.85$   
 $SP = 1.7x \times 0.68 = 1.156x$   $1.156x = 39312$   $x = \frac{39312}{1.156} \approx 34000$   
Final Answer: Cost price  $\approx$  ₹34000

**S72. Ans.(b)**

**Sol.**

Given:  $R = 12$   $r = 8$   
Formula Used: Area of circle =  $\pi r^2$  Area of annulus =  $\pi(R^2 - r^2)$   
Solution: Area of annulus =  $\pi(12^2 - 8^2) = \pi(144 - 64) = 80\pi$   
Area of outer circle =  $\pi \times 12^2 = 144\pi$   
Required ratio =  $80\pi : 144\pi = 80 : 144 = 5 : 9$   
Final Answer: 5 : 9

**S73. Ans.(c)**

**Sol.**

Given:  $r = 42$  Rotation = half turn  
Formula Used: Circumference =  $2\pi r$  Percentage covered =  $\frac{\text{Part}}{\text{Whole}} \times 100$   
Solution: In a half turn, half of the circumference is covered  
Fraction covered =  $\frac{1}{2}$  Percentage covered =  $\frac{1}{2} \times 100 = 50\%$   
Final Answer: 50%

**S74. Ans.(b)**

**Sol.**

Given:  $y = mx + 7$  (2,13) lies on the line  
Concept Used: Point on a line satisfies its equation  
Formula Used:  $y = mx + c$   
Solution:  $13 = 2m + 7$   $2m = 6$   $m = 3$   
Final Answer:  $m = 3$

**S75. Ans.(b)**

**Sol.** Given:  $(3 + 2.8) - 1.5$   
Solution:  $3 + 2.8 = 5.8$   $5.8 - 1.5 = 4.3$   
Final Answer: 4.3

**S76. Ans.(b)**

**Sol.** Option (b) contains an error.

The structure “not X, but Y” demands parallelism (same grammatical form on both sides).

- In part (1), X is a noun phrase: “its proposed restructuring of fiscal authority...”
- In part (2), Y begins as a that-clause: “that it assumes...”
- This mismatch (noun phrase ≠ clause) breaks parallel structure.

Corrected versions could be:

- “... not its proposed restructuring of fiscal authority per se, but its assumption, without empirical evidence, of a fiscal parity ...”
- OR
- “... not that it restructures fiscal authority, but that it assumes ...”

Grammatical rule applied:

In correlative pairs like not...but / not only...but also, the connected elements must be parallel in form (noun↔noun, clause↔clause, gerund↔gerund).

Why other parts are correct:

- (1) Proper noun phrase as the first element.
- (3) “whose developmental starting points are...” is a correct relative clause.
- (4) “incomparable by any accepted standard” completes the idea logically and grammatically.

**S77. Ans.(d)**

**Sol.** The correct passive form of the given sentence is (d).

Explanation of conversion:

- Tense/Aspect in Active: Present Perfect Continuous — *have been ignoring*.
- Passive construction requires retaining both perfect and continuous aspects.
- Structure used: has/have been being + past participle (V<sup>3</sup>).
- Subject-object shift:
  - Active subject: *They* → Passive agent: *by them*
  - Active object: *preservation of the records* → Passive subject

Thus, the correct passive sentence is:

“Preservation of the records has been being ignored by them for years.”

Structural comparison:

- Active: Subject + have/has been + V-ing + object + time
- Passive: Object + have/has been being + V<sup>3</sup> + by + agent + time

Why other options are incorrect:

- (a) had been ignored — Past Perfect; tense changes and progressive sense is lost.
- (b) is being ignored — Present Continuous; incompatible with “for years,” which demands a perfect aspect.
- (c) was being ignored — Past Continuous; incorrect tense and time reference.

Note: Although stylistically heavy, “has been being + V<sup>3</sup>” is grammatically correct and is the accurate passive equivalent of the present perfect continuous tense when precision is required in exams.

**S78. Ans.(a)**

**Sol.** The correct active form of the given sentence is (a).

Explanation of conversion:

- Identify the agent in the passive sentence: by several sources → becomes the subject in active voice.
- Match the tense/aspect: was being reported (past continuous passive) → were reporting (past continuous active).

• Retain the that-clause content: that the mission had been compromised internally remains unchanged because it already represents a completed action prior to the reporting.

• Remove the dummy subject It, which is common in passive reporting structures.

Thus, the correct active sentence is:

“Several sources were reporting that the mission had been compromised internally.”

Structural comparison:

• Passive: Dummy *It* + was being +  $V^3$  + by + agent + that-clause

• Active: Agent (subject) + were + V-ing + that-clause

Why other options are incorrect:

• (b) Creates a comma splice and alters emphasis; it is not a faithful active transformation.

• (c) Uses an awkward noun phrase and loses the precision of the original that-clause.

• (d) Reverses the meaning by making the mission the agent, which contradicts the original sentence.

### S79. Ans.(a)

**Sol.** The correct option to fill in the blank is (a) barely.

Barely means “only just / almost not,” which fits perfectly with “keep up,” showing the systems were nearly unable to match the speed of growth. (Hindi meaning: मुश्किल से)

Example: The servers could barely keep up with the sudden spike in users.

Explain why other options are incorrect:

• (b) merely: means “only/simply,” but it does not express difficulty or near-failure. (Hindi: केवल/मात्र)

• (c) scarcely: close to “barely,” but sounds more formal and is less natural with “keep up” here. (Hindi: मुश्किल से/बहुत कम)

• (d) all but: means “almost/nearly,” and would shift the sense toward “almost kept up,” not “kept up with difficulty.” (Hindi: लगभग)

### S80. Ans.(a)

**Sol.** Option (a) is the correct order of the given sentences.

• 3 — The process logically begins with data collection: *User engagement was gathered from multiple platforms.*

• 2 — Once engagement data is collected, it is quantified and tracked as *demographic data* via dashboards.

• 4 — With data available, analysts then classify users by age and behaviour.

• 1 — Finally, insights derived from this analysis are used to develop a communication strategy.

The sequence follows a clear analytical workflow:

Collect → Monitor → Classify → Strategize, ensuring logical and chronological coherence.

### S81. Ans.(a)

**Sol.** Option (a) is the correct order of the given sentences.

• 2 — Acts as the opening sentence, introducing *research* and establishing its importance.

• 1 — Follows naturally by defining what research is and explaining its systematic nature.

• 3 — Elaborates on the definition by classifying research into theoretical and applied forms.

• 4 — Concludes the paragraph by describing the final stage of research, where findings are documented and validated through peer review.

The flow is logically structured as:

Introduction → Definition → Classification → Outcome/Validation, which ensures coherence and clarity.

### S82. Ans.(a)

**Sol.** The correct direct speech is (a) “I will attend the meeting after the meal,” he said.

Rules of conversion applied:

- Reversal of backshift: would in indirect speech commonly corresponds to will in direct speech when expressing future intention at the time of speaking.
- Pronoun change: he → I, as the original speaker refers to himself.
- Time expression: after the meal remains unchanged, as it still indicates a future time relative to the original utterance.
- Quotation marks correctly enclose the exact spoken words.

Example for clarity:

Indirect: She said that she would call later.

Direct: "I will call later," she said.

Why other options are incorrect:

- (b) would in direct speech alters the intended future certainty and is not the standard reversal in exam contexts.
- (c) shall is formal and less commonly used; exam-standard conversion from *would* is *will*.
- (d) can changes the meaning from future intention to ability.

### S83. Ans.(b)

**Sol.** Option (b) contains an error.

The subject of the sentence is the entire that-clause: "That the report overlooked several underlying causes...". A clause used as a subject is treated as singular, so it must take a singular verb.

- Incorrect: were surprising
- Correct: was surprising

Corrected sentence:

"That the report overlooked several underlying causes behind the public unrest was surprising given the volume of evidence collected over the past few months."

Grammatical rule applied:

When a that/what/why/how clause functions as the subject, the verb is singular, even if plural nouns appear within the clause.

Example: That they delayed the decision was unexpected.

Why the other parts are correct:

- (1) Correct clause-subject structure.
- (3) "given the volume of evidence" is a correct reason phrase.
- (4) "collected over the past few months" correctly modifies "evidence."

### S84. Ans.(c)

**Sol.** The correct one-word substitute for the given group of words is (c) Bilingual.

Bilingual: able to speak two languages with equal or high fluency. (Hindi: द्विभाषी)

Example: She is bilingual and can communicate effectively in English and Spanish.

Meanings of the other given options:

- (a) Accusation: a claim that someone has done something wrong or illegal. (Hindi: आरोप)
- (b) Denunciation: public condemnation or strong criticism of someone or something. (Hindi: भर्त्सना/निन्दा)
- (d) Indictment: a formal charge or accusation of a serious crime, especially by a legal authority. (Hindi: अभियोग/अभियुक्ति)

### S85. Ans.(c)

**Sol.** The correct substitution of the highlighted words is (c) to stop consuming junk food and to work out regularly. The verb advised followed by an object ( him) correctly takes the to-infinitive form. Additionally, the two coordinated actions joined by *and* must be grammatically parallel. Option (c) maintains parallelism by using to + base verb in both parts.

Corrected sentence:



The doctor advised him to stop consuming junk food and to work out regularly.

Grammatical rules applied:

- Verb + object + to-infinitive is standard after *advise*.
- Parallelism: elements joined by *and* must have the same grammatical form.

Example:

She advised him to reduce stress and to exercise daily.

Why other options are incorrect:

- (a) stopping junk food and doing regular workouts: breaks the required to-infinitive structure after *advised him*.
- (b) to stop junk food and to workouts regularly: incorrect verb form (*workouts* used as a verb).
- (d) to not consume junk food and do workouts: lacks parallelism (*to not consume* vs *do*), and *do workouts* is less idiomatic than *work out*.

### S86. Ans.(d)

**Sol.** The correct option to fill in the blank is (d) under. Reason (idiomatic usage): With the noun “conditions,” English most naturally uses “under” to show a prevailing/controlling situation. Hence, the correct phrase is “occur under prolonged drought conditions.” (Hindi meaning of “under” here: परिस्थितियों में / के अधीन) Example: Many wildfires spread rapidly under prolonged drought conditions.

Why the other options are incorrect: • (a) towards = shows direction/tendency, not a situational environment. (Hindi: की ओर) • (b) amidst = means “in the middle of,” typically used with events/circumstances like chaos, conflict, applause; with “conditions,” exam usage prefers under. (Hindi: के बीच) • (c) between = used for two distinct people/things/points; it cannot fit with the general phrase “drought conditions.” (Hindi: के बीच)

### S87. Ans.(a)

**Sol.** Option (a) is the correctly spelt word.

Correct spelling is: Ventriculoatrial (shunt) — a neurosurgical procedure in which cerebrospinal fluid (CSF) is diverted from the brain’s ventricles into the right atrium of the heart to treat conditions such as hydrocephalus. (Hindi: वेंट्रिकुलो-एट्रियल शंट)

Example: A ventriculoatrial shunt was placed when abdominal placement was not feasible.

Explain why other options are incorrect:

- (b) Ventriculoartial: incorrect letter order; “artial” is not the correct anatomical term. (Hindi: गलत वर्तनी)
- (c) Ventriculoatriall: extra “l” at the end makes the spelling incorrect. (Hindi: अतिरिक्त अक्षर)
- (d) Ventriculoateriel: “ateriel” is not related to the anatomical term atrial; spelling and meaning both incorrect. (Hindi: असंबंधित व गलत वर्तनी)

### S88. Ans.(c)

**Sol.** Option (c) is the correct meaning of the given idiom.

At sixes and sevens: in a state of total disorder, confusion, or disarray; lacking organization or clarity. (Hindi: पूरी तरह अस्त-व्यस्त/गड़बड़ हालत में)

Example: After the sudden announcement, the entire schedule was at sixes and sevens.

Other given options are incorrect because:

- (a) A dilemma between two evils: this meaning matches the idiom “between the devil and the deep sea,” not at sixes and sevens. (Hindi: दो बुराइयों में फैसला)
- (b) A free and fair decision: this conveys clarity and choice, which is the opposite of confusion. (Hindi: स्वतंत्र और निष्पक्ष निर्णय)
- (d) A selection made under duress: implies pressure or compulsion, not disorder or confusion. (Hindi: मजबूरी में किया गया चयन)

**S89. Ans.(d)**

**Sol.** Option (d) is incorrectly spelt word.

Option (d) is the incorrectly spelt word.

Correct spelling is: Sacrilegious — involving or committing an act that shows disrespect toward something sacred or religious. (Hindi: अपवित्र, धर्मविरोधी)

Example: Vandalising the shrine was considered a sacrilegious act.

Meanings of all the given options:

- (a) Vicereine: the wife or female counterpart of a viceroy. (Hindi: वायसराय की पत्नी/महिला वायसराय) — spelling correct.
- (b) floccinaucinihilipilification: the act of estimating something as worthless or trivial, often cited humorously as one of the longest English words. (Hindi: तुच्छ समझना, नगण्य मानना) — spelling correct.
- (c) Defenestrate: to throw someone or something out of a window; also used metaphorically to mean dismissal from a position. (Hindi: खिड़की से बाहर फेंकना; पद से हटाना) — spelling correct.

**S90. Ans.(c)**

**Sol.** The correct synonym of the given word is (c) Deceitful.

Duplicitous: deliberately dishonest; using trickery or double-dealing; saying one thing while intending another. (Hindi: दोहरा/कपटी, छलपूर्ण, दोगला)

Example (given word): His duplicitous remarks concealed his real intentions.

Deceitful: intending to mislead; dishonest in words or actions. (Hindi: धोखेबाज़, छलपूर्ण)

Example (answer word): The deceitful promise was made only to gain trust.

Synonyms: deceptive, dishonest, two-faced, double-dealing, insincere.

Antonyms: honest, sincere, straightforward, truthful, candid.

Meanings of all the other given options:

- (a) Honest: truthful and sincere; free of deception. (Hindi: ईमानदार, सच्चा)
- (b) Faithful: loyal; reliable and steadfast. (Hindi: बफ़ादार, निष्ठावान)
- (d) Loyal: showing firm support or allegiance. (Hindi: निष्ठावान, बफ़ादार)

**S91. Ans.(c)**

**Sol.** The correct answer is option (c).

The passage clearly states that wisdom is “*shaped by experience, self-reflection, emotional intelligence, and moral awareness*” and that it “*develops gradually through trial and error, failure, reflection, and a nuanced comprehension of human behaviour.*” These lines directly indicate that wisdom arises from lived experiences combined with reflective thinking, not from formal study alone.

Explanation of context of the passage:

The author contrasts education as a structured, curriculum-based process with wisdom as an experiential, ethical, and reflective quality. Wisdom is portrayed as something earned over time through real-life situations and thoughtful introspection.

Other options are incorrect because:

- (a) textbooks: Textbooks are associated with formal education, which the passage distinguishes from wisdom.
- (b) emotional detachment: The passage emphasizes emotional intelligence and moral awareness, not detachment.
- (d) algorithmic thinking: This is cited as a modern influence that widens the gap between education and wisdom, not a source of wisdom itself.

**S92. Ans.(b)**

**Sol.** The correct answer is option (b).



The statement “*wisdom enriches the soul*” contrasts inner moral depth with mere intellectual capability. In the passage, wisdom is consistently associated with ethical judgement, emotional maturity, humility, and responsible action. Therefore, enriching the soul implies developing deep moral insight and ethical awareness rather than acquiring technical or academic skills.

Explanation of context of the passage:

The author differentiates education, which “sharpens the intellect,” from wisdom, which deepens understanding and guides ethical conduct. Wisdom manifests through consistency in values, empathy, and the ability to act rightly even in difficult situations.

Other options are incorrect because:

- (a) Leads to academic achievement: Academic success is linked to education, not to the moral enrichment described here.
- (c) Enhances language skills: Language proficiency is an intellectual skill, not a moral or spiritual quality.
- (d) Strengthens numerical ability: Numerical competence relates to technical intellect, not soul enrichment.

### S93. Ans.(c)

**Sol.** The correct answer is option (c).

The passage explicitly mentions that “*many individuals—such as farmers, craftsmen, or elders—may possess limited formal education, yet demonstrate remarkable wisdom through prudent choices informed by lived experience and practical insight.*” This directly supports option (c).

Explanation of context of the passage:

The author argues that wisdom is not confined to formal schooling or academic credentials. Instead, it often emerges from real-life experience, practical knowledge, and reflective judgement, which individuals like farmers and craftsmen commonly develop.

Other options are incorrect because:

- (a) Corporate executives: Not mentioned as examples of individuals lacking formal education.
- (b) Academicians: Typically associated with formal education, which the passage contrasts with experiential wisdom.
- (d) Policy analysts: Not referenced in the passage and generally linked with formal, technical training.

### S94. Ans.(d)

**Sol.** The correct answer is option (d).

The entire passage is structured around contrasting education—defined as formal, structured learning measured through degrees and assessments—with wisdom, described as the ethical and practical application of knowledge in real-life situations. This makes the distinction between formal learning and applied wisdom the central theme.

Explanation of context of the passage:

From the opening lines to the concluding statement, the author repeatedly opposes institutional education (curricula, examinations, intellectual competence) to wisdom (experience-based judgement, ethical reasoning, and reflective understanding). The argument consistently reinforces this contrast.

Other options are incorrect because:

- (a) Education and career growth: Career outcomes are not the focus of the discussion.
- (b) Intelligence and memory: These are not presented as a primary contrast.
- (c) Reading and writing skills: Literacy skills are not discussed as opposing concepts.

### S95. Ans.(c)

**Sol.** The correct answer is option (c).

The passage states that in “*the modern age of information overload and algorithm-driven thinking,*” educational systems often prioritise rote learning, examination performance, and standardized outcomes over critical

thinking, ethical reasoning, and emotional maturity. These practices are identified as the primary reasons for the widening gap between education and wisdom.

Explanation of context of the passage:

The author argues that contemporary education emphasizes procedural efficiency and technical competence, while neglecting reflective judgement and moral awareness. This imbalance deepens the divide between what is learned formally and how knowledge is applied wisely.

Other options are incorrect because:

- (a) Excessive reliance on social media: Not mentioned as a contributing factor.
- (b) Decline in the value placed on wisdom: The passage critiques systems, not societal values explicitly.
- (d) Cessation of learning after formal education: The author actually stresses that wisdom is a lifelong pursuit, making this option contradictory.

### S96. Ans.(b)

**Sol.** The correct option to fill in the blank is (b) more.

The sentence needs a comparative structure with “than”. The correct pattern is more + adjective + than, so “more complicated than expected” is grammatically correct and matches the meaning. (Hindi meaning: अपेक्षा से अधिक)

Example: The migration was more complicated than the team anticipated.

Explain why other options are incorrect:

- (a) less: would reverse the meaning (less complicated), which contradicts the idea of difficulty. (Hindi: कम)
- (c) much: is an intensifier and must modify a comparative (e.g., much more), so it cannot stand alone. (Hindi: बहुत)
- (d) rather: is a degree adverb, but it doesn't form the correct comparative “than” structure here. (Hindi: काफी/कुछ हद तक)

### S97. Ans.(c)

**Sol.** The correct antonym of the given word is (c) Candid.

Duplicious: deliberately dishonest; involving deception or double-dealing; saying one thing while intending another. (Hindi: कपटी, दोहरा, छलपूर्ण)

Example (given word): His duplicious behaviour eventually led to a loss of trust.

Candid: open, honest, and straightforward in expression; free from deceit or concealment. (Hindi: स्पष्टवादी, साफ़गोई वाला)

Example (answer word): She gave a candid explanation of the situation.

Synonyms (of “duplicious”): deceitful, treacherous, two-faced, dishonest, insincere.

Antonyms (of “duplicious”): candid, honest, sincere, straightforward, truthful.

Meanings of all the other given options:

- (a) Betraying: acting disloyally or revealing trust dishonestly. (Hindi: विश्वासघात करने वाला)
- (b) Deceitful: intended to mislead or deceive; dishonest. (Hindi: धोखेबाज़)
- (d) Treacherous: involving betrayal or deliberate deception. (Hindi: विश्वासघाती)

### S98. Ans.(b)

**Sol.** The correct substitution of the highlighted words is (b) of being an honest leader.

After the noun reputation, English idiomatically uses the preposition of followed by a gerund (-ing form) to describe the quality for which someone is known. Hence, the correct structure is:

has the reputation of being ...

Corrected sentence:

She has the reputation of being an honest leader.

Grammatical rule applied:

Noun + of + gerund is the standard construction with nouns like *reputation, habit, chance, prospect*.

Example:

He has the reputation of being fair and impartial.

Why other options are incorrect:

- (a) to have honesty: incorrect infinitive structure after reputation.
- (c) of being the honest leader: unnecessary definite article the, which makes the meaning awkward and overly specific.
- (d) to be honesty: incorrect use of infinitive and wrong word form ( *honesty* is a noun).

### S99. Ans.(a)

**Sol.** The correct indirect speech is (a) He asked me if I had submitted my homework.

Rules of conversion applied:

- Reporting verb asked requires if/whether for yes–no questions.
- Tense backshift: Simple Past ( *did submit* ) → Past Perfect ( *had submitted* ) because the reporting verb is in the past.
- Interrogative order changes to statement order (subject + verb).
- Pronoun change: you → I according to the object *me*.
- Question mark is replaced by a full stop.

Example for clarity:

She asked him, "Did you finish the task?" → She asked him if he had finished the task.

Why other options are incorrect:

- (b) Retains question word order ( *did I submit* ), which is incorrect in indirect speech.
- (c) Fails to backshift the tense ( *have submitted* ), violating the sequence of tenses.
- (d) Uses inverted order ( *had I submitted* ), which is not permitted in indirect statements.

### S100. Ans.(a)

**Sol.** The correct answer is option (a).

In the given sentence, canon refers to a musical form in which a melody is imitated by one or more voices entering successively.

Option (a) uses Canon as a proper noun referring to the brand name of a camera, which has the same pronunciation as *canon* but a completely different meaning. This makes it a true homonym.

Meanings of canon:

1. Musical meaning (used in the question):

A composition where the same melody is repeated and overlapped by different voices.

(Hindi: संगीत में अनुकरणात्मक रचना)

Example: The choir performed a canon with perfect timing.

2. Proper noun / brand name (homonym):

Canon — a well-known brand of cameras and imaging equipment.

(Hindi: कैमरा ब्रांड)

Example: He bought a new Canon for wildlife photography.

Why other options are incorrect:

- (b) The canon echoed beautifully through the hall. — Still refers to the musical sense.
- (c) The singers practised the canon repeatedly before the performance. — Same musical meaning.
- (d) The composer introduced a complex canon in the final movement. — Again, musical usage, not a different meaning.