STAFF SELECTION COMMISSION

CONSTABLE (GD) IN CAPFS, SSF, ASSAM RIFLES, AND NCB

SOLVED PAPER

(4th Feb 2025: Shift-1)

Time Allotted: 1 hour

Max marks: 160

Important Instructions:

- This paper contains 80 questions which are divided into 4 sections. Each section contains 20 questions.
 - General Intelligence and Reasoning
 - General Knowledge and General Awareness
 - Elementary Mathematics
 - English
- There will be 2 marks for each correct answer and also there will be a negative marking of 0.5 marks for each wrong answer.
- Each question is compulsory to attempt and there will be no negative marking for unattempted questions.

4.12

General Intelligence and Reasoning

- What should come in place of the question mark (?) in the given series based on the English alphabetical order? EHO HJP KLQ ? QPS
 NMR
 NNR
 MNR
 MMR
- 2. What should come in place of the question mark (?) in the given series?
 - 208 190 163 127 82 ?
 - **1.** 54 **2.** 45 **3.** 28
- In a certain code language, 'JAMB' is coded as '5139' and 'BALM' is coded as '9521'.What is the code for 'L' in the given code language?
 1. 2
 2. 5
 3. 1
 4. 9
- 1. 2
 2. 5
 3. 1

 4. In a certain code language,
- 'X @ C' means 'X is the daughter of C', 'X \$ C' means 'X is the husband of C',
 - 'X = C' means 'X is the mother of C' and
 - 'X * C' means 'X is the father of C'.

Based on the above, how is J related to N if 'N @ E J S'?

- 1. Sister's daughter2. Sister
- **3.** Mother **4.** Daughter's son
- 5. The sequence of folding a piece of paper and the manner in which the folded paper is cut is shown in the following figures. How would this paper look when unfolded?



 Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

_HKM O_NP RN_S UQT_XTW_

I. LKQVY 2. JKRVX 3. JMRUX 4. LMQUY

- Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)
 FHJ
 SUV
 HJL
 NPR
- 8. The position(s) of how many letters will remain unchanged if each letter in the word GRACEFUL is arranged in the English alphabetical order?

2. None

- 1. Two 3. One
 - 4. Three
- **9.** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All gabions are walls.
- All concretes are walls.
- All bridges are walls.
- Conclusions:

3

- (I) Some bridges are gabions.
- (II) Some concretes are bridges.
- 1 N : 1 . (I) (II) (II)
- **1.** Neither conclusion (I) nor (II) follows
- **2.** Both conclusions (I) and (II) follows
- Only conclusion (II) follows
 Only conclusion (I) follows
- 10. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



11. Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



- 12. Based on some logic, 'CLONE' is written as 'BLUKU' and 'BOUND' is written as 'AOAKT'. Following the same logic, 'NICHE' can be written as:
 - 1. NIIET 2. MIIEU 3. MIIET 4. NIIEU
- 13. SBCF is related to RADG in a certain way. In the same way, NVMO is related to MUNP. Which of the following is GUAX related, following the same logic?

1. FTBY **2.** FTBZ 3. FRCY 4. FTCY

14. Seven people L, M, N, O, P, O, and R are sitting in a straight line facing the north (but not necessarily in the same order). M is sitting to the immediate left of P. O is sitting to the immediate left of Q. R is sitting to the immediate right of P and the immediate left of L. N is sitting to the immediate right of L and the immediate left of O. Who is sitting second to the left of N?

15. Select the Venn diagram that best illustrates the relationship among the following classes.

4. M

4. A

Female, Cardiologist, Engineer



16. What should come in place of the question mark (?) in the given series? 46101834?

1.65

1. L

2.66 3. 68 4.67

17. A dice has its faces marked by letters E, R, A, L, O and T. Two positions of the same dice are shown in the given figures. Which face is opposite to face E?



18. In a certain code language, 'BSGN' is coded as '5-22-10-17' and 'TAUE' is coded as '23-4-24-8'. How is 'PJDQ' coded in the given language?

1. 17-13-6-20 **2.** 15-11-5-19 **3.** 16-12-8-18 **4.** 19-13-7-20

19. Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons.

In row 1, D, E, O, and S are seated and all of them are facing south.

In row 2, F, A, R, and M are seated and all of them are facing north.

Thus, each person faces another person from the other row.

Only D sits to the left of E. Only R sits to the left of A. Only one person sits between A and F. Only one person sits between D and O.

Which of the following represents both people facing each other?

1. E and A 2. E and M 3. E and F **4.** E and R

20. What will come in the place of the question mark '(?)' in the following equation, if '-' and '×' are interchanged and '+' and '-' are interchanged?

 $50 - 9 \div 1 + 63 \times 7 = ?$

1.53 2. 50 3. 52

General Knowledge and General Awareness

- 21 What is the penalty amount specified under the Public Examinations (Prevention of Unfair Means) Bill, 2024 for individuals involved in unfair practices or offences during exams?
 - 1. Up to ₹11 lakh 3. Up to ₹20 lakh
- 2. Up to ₹1 lakh 4. Up to ₹10 lakh

4.51

- 22. She was a Carnatic legendary singer who sang in Europe, North America, and at the United Nations General Assembly. Who was she?
 - 1. Asha Bhosle
 - 2. Lata Mangeshkar
 - 3. Madurai Shanmukhavadiyu Subbulakshmi
 - 4. Beghum Akhtar
- 23. The NBPW, which can be considered as the most widespread Iron Age pottery, stands for
 - 1. Northern Bronze Polished Ware
 - 2. Northern Brown Polished Ware
 - 3. Northern Blue Polished Ware
 - 4. Northern Black Polished Ware
- 24. In August 2024, who bid farewell to the Supreme Court, became the first woman Chief Justice of the High Court for the State of Telangana and was the ninth woman to be elevated to the Supreme Court of India?
 - 1. Aditi Kapoor 2. Usha Iyer
 - 4. Kutti Rameshwaram
- 25. What was the major economic challenge addressed during the Third Five-Year Plan (1961-1966)?
 - 1. Focus on digital technology advancement
 - 2. Introduction of the service sector
 - 3. Liberalisation of the economy
 - 4. War-time expenditure and resource allocation
- 26. Part III of the Constitution of India stated which of the following?
 - 1. Fundamental Duties
 - 2. Citizenship

3. Hima Kohli

- 3. Fundamental Rights
- 4. Directive Principles of States Policy
- 27. Which sector of the economy does the 'Green Revolution' belong to? 2. Financial sector
 - 1. Agricultural sector 3. Industrial sector
- 4. Service sector

28. Lakshmi Vishwanathan, who won the prestigious Natya Kalanidhi Award from the Music Academy was famous for which dance form?

1. Odissi	2. Bharatanatyam
3. Kathak	4. Kuchipudi

29. When did Michael Faraday discover electromagnetic induction, the principle behind the electric transformer and generator?

1. 1853 2. 1831 **3.** 1820 4. 1875

- 30. Which of the following sentences is/are true?
 - i. The projected growth rate of the Indian agriculture sector for FY 2022-23 was 5.5%.
 - ii. During the Financial Year 2021-22, agricultural exports of India reached to about US \$50.2 billion.
 - iii.During the Kharif Marketing Season 2021-22, 581.7 lakh metric tons of rice was procured in India.
 - 1. Only i and ii 2. Only i
 - 3. Only ii 4. Only ii and iii
- 31. Pradhan Mantri Rojgar Protsahan Yojana is being implemented since

- 32. Who were the key figures behind the recommendations that formed the basis of the Government of India Act, 1919?
 - 1. Lord Linlithgow and Edwin Montagu
 - 2. Lord Curzon and Edwin Montagu 3. Lord Irwin and Edwin Montagu
 - 4. Lord Chelmsford and Edwin Montagu
- 33. The annual Mamallapuram Dance Festival, which includes performances of Indian Classical Dances Bharatanatyam, Kuchipudi, Kathak, Mohiniattam, Odissi, and Kathakali, is organised in
 - 1. Karnataka 2. Tamil Nadu
 - 3. Maharashtra 4. Andhra Pradesh
- 34. Which are the two wettest places on Earth that receive more than 1,080 cm of rainfall in a year?
 - 1. Mahabaleshwar and Neriamangalam
 - 2. Gangtok and Amboli
 - 3. Cherrapunji and Mawsynram
 - 4. Pasighat and Agumbe
- 35. As per the National Multidimensional Poverty Index of India: A Progress Review 2023, which of the following union territories has the highest % of multidimensionally poor? 1. Delhi
 - 2. Puducherry
 - 3. Chandigarh
 - 4. Dadra and Nagar Haveli & Daman and Diu
- 36. 2nd October 2022 marked the birth anniversary of Mahatma Gandhi, celebrated as Gandhi Jayanti. 1. 152nd 2. 150th **3.** 153rd 4. 155th
- 37. Which of the following sports was included as a discipline in the 11th Asian Games Beijing 1990?
 - 1. Squash 2. Kabaddi 3. Both I and II 4. Volleyball
- 38. Where were the first Asian Games held in India?
- 3. New Delhi 4. Patiala 1. Footwork 2. Chennai
- 39. Which of the following plants can be made to climb walls using special support?
 - 1. Rose plant 2. Lemon plant 3. Pumpkin plant
 - 4. Sunflower Plant
- 40. Which Articles of the Constitution of India deals with the Union Public Service Commission?
 - 2. Articles 300-320 1. Articles 210-219 3. Articles 330–338 4. Articles 315-323

Elementary Mathematics

- 41. What is the third proportional to 16 and 48? 2. 169 1.135 **3.** 121 **4.** 144 42. If at same rate of interest, in 2 years, the simple interest is ₹42
- and compound interest is ₹51, then what is the principal (in ₹)?

- 43. Determine the largest four-digit number that is exactly divisible by 15, 25, 40 and 75.
 - 1.9600 2. 9960 **3.** 9975 4.9999
- 44. The average weight of Gopal, Akshay, and Atul is 46 kg. If the average weight of Gopal and Akshay be 40 kg and that of Akshay and Atul be 45 kg, then the weight of Akshay (in kg) is:

- 45. In an examination, there were three papers of Mathematics, two papers of English and one paper of Science. All papers were of 100 marks. S got 60% in Mathematics, 70% in English and 50% in Science. What was his % of marks in all papers? 3. 60.67% 1.60% 2. 61.67% 4. 61.33%
- 46. A can do a piece of work in 32 days and B in 48 days. They work together for 8 days and then A goes away. In how much time (in days) will B finish 60% of the remaining work?

1.
$$19\frac{3}{4}$$
 2. $16\frac{4}{5}$ **3.** $17\frac{3}{7}$ **4.** $18\frac{2}{5}$

less than what is written on it. Find his profit %.

47. The LCM of 28, 60, 120 and 135 is:

1

1.7626 2. 7560 3. 7569 4. 7608 48. A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 46%

$$. 86\frac{6}{27}\%$$
 2. $84\frac{5}{27}\%$ **3.** $85\frac{5}{27}\%$ **4.** $87\frac{10}{27}\%$

- 49. Two numbers are in the ratio of 4 : 9. If the mean proportional between them is 24, find the positive difference between the two numbers.
- 1.20 **2.** 25 **3.** 15 4.30 Two cones have their heights in the ratio 4 : 3 and the radii of 50. their bases in the ratio 1 : 2. Find the ratio of their volumes.
- 1.1.1:3 **2.** 2. 2 : 9 **3.** 3. 4 : 9 **4.** 4. 2 : 5 51. Mandar has two grandsons Ketan and Tushar. 11 year old Ketan gets some money from Mandar's wealth and 12 year old Tushar gets the rest of the money. But Ketan and Tushar will get money only when they turn 22 years old. Till then the money is in a bank getting interest at a rate of 8% compounded annually. When both turn 22, they receive the same amount. How much had Mandar given Tushar (in ₹) initially, if total money with Mandar was ₹24,700?

- 53. A student was getting the following four offers on the purchase of a book:
 - I Two successive discounts of 20% and 20%
 - II Two successive discounts of 25% and 15%
 - III Two successive discounts of 30% and 10%
 - IV Two successive discounts of 5% and 35%

Which scheme offers the most discount to the student? 1. III 2. II 3. I 4. IV

54. Find the value of $\left[(48 \div 8) \times \left\{ \frac{49}{7} + \frac{40}{4} \times (7-3) \right\} \right]$

4. 282 1.286 **2.** 273 **3.** 284

- 55. Two trains having lengths of 210 m and 140 m are running at speeds of 80 km/h and 150 km/h, respectively, in the same direction. The time taken (in min) by the faster train, coming from behind, to completely cross the other train is: 1.2 2.1 4.0.5
 - **3.** 0.3
- 56. What is the cost price of an article which is sold for ₹1,566with 8% profit?

1. ₹ 1.420 **2.** ₹ 1,390 **3.** ₹ 1,400 4. ₹ 1.450

57. Vipul invests a sum of ₹ 5400 and Vijay invests a sum of ₹ 9400 at the same rate of simple interest per annum. If, at the end of 5 years, Vijay gets ₹840 more interest than Vipul, then find the rate of interest per annum (in %).

1.4.2 **2.** 2.2 **3.** 3.2 4.6.2

- 58. The price (per l) of petrol increases by 85%. By what percent should its consumption be reduced such that the expenditure on it increases by 48% only?
 - 1.80% 4.20% **2.** 82% **3.** 18%
- 59. A number is first decreased by 15% and then increased by 20%. The number so obtained is 78 more than the original number. The original number is:
 - 1. 5200 2. 4500 3. 2600 4.3900
- 60. The HCF of two numbers is 11 and their sum is 132. If both the numbers are greater than 42, then the difference between the two numbers are:

2. 26 3. 11 1.18 4.22

English

- 61. Select the correct collocation to fill in the blank. The teacher gave the students instructions before the exam. 1. strong 2. great 3. careful 4. clear 62. Select the option that rectifies the underlined spelling error.
- The students had to write an essay for their asignment. 1. assignment 2. asignment 3. assignment 4. essignment
- 63. Select the most appropriate ANTONYM of the given word. Arrogant

	1. Creepy			2. Humbl	e		
	3. Clumsy			4. Averag	ge		
64.	Select the	most	appropriate	SYNONYM	of the	given	word.
	Broad						
	1. Wide		2. Particula	r 3. Exact	4.	Small	
<u>(</u> =	0 1 41		• • •		C .1 .		1

- 65. Select the most appropriate ANTONYM of the given word. Flaunt
- 1. Wide 2. Parade 3. Hide 4. Open 66. Select the most appropriate option to fill in the blank.
- The dog ran the garden chasing the cat. 1. at **2.** on 3. between 4. across
- 67. Select the most appropriate option to fill in the blank. is no sure sign of attaining wisdom. Grey 1. heir 2. air 3. hair 4. hare
- 68. Select the most appropriate meaning of the given idiom. Man of straw
 - 1. A combination of two people that is perfect in every way. 2. A child of a celebrity or a famous person.

3. A person who is disregarded as lacking character or morality.

4. A situation like a close contest.

69. Select the most appropriate ANTONYM of the word in brackets to fill in the blank.

(destruction) of the natural The widespread the world threatens the food we eat, the water we drink, and the air we breathe.

1. condition 2. creation

3. choice 4. contribution

- 70. Select the most appropriate option to fill in the blank. It is a sin against God and humanity to places of religious worship.
 - 1. desecrate 2. upright 3. disapprove 4. modest
- 71. Select the most appropriate idiom that can substitute the underlined segment in the given sentence.
 - When it comes to cooking, she can think creatively and unconventionally to create unique dishes that surprise everyone.
 - 1. outside the wire 2. outside the canvas 3. outside the law
 - 4. outside the box
- 72. The following sentence has been split into four segments. Identify the segment that contains a grammatical error. (A) He spoke passionately about his favourite book, / (B) articulating his thoughts clearly/ (C) and engaged everyone in
 - a lively discussion / (D) about its themes. 2. B 1. A 3. C 4. D
- 73. Select the most appropriate option to fill in the blank.
 - We will complete the project _____ without external help. 1. ourselves
 - 2. oneself 3. itself 4. themselves
- 74. Identify the sentence with the INCORRECTLY spelt word.
 - 1. The students wrote an interesting essey on the topic.
 - 2. The scientist presented his findings at the conference.
 - 3. The bakery makes delicious pastries every day.
 - 4. The film was praised for its stunning cinematography.
- 75. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
 - Alka had been writing / to her boss until she realises / that he was not interested in resolving her issues.
 - 1. that he was not interested in resolving her issues
 - 2. to her boss until she realises
 - 3. No error
 - 4. Alka had been writing
 - **Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is a (1) sense of freedom about being alone in a carriage that is jolting noisily through the night. It is liberty unrestrained in a very (2) form. You can do anything you like. You can talk to (3) as loud as you please and no one will hear you. You can have that argument out with Jones and roll him triumphantly in the dust (4)

fear of a counterstroke. You can stand on your head and no one will see you. You can sing or dance a two-step or practice a golf stroke, (5) _____ play marbles on the floor without let or hindrance.

76. Select the most appropriate option to fill in blank no. 1.

1. tedious	2. contemptuous
3. baleful	4. pleasant

77. Select the most appropriate option to fill in blank no. 2.1. agreeable2. detestable3. humour4. miserable

- **78.** Select the most appropriate option to fill in blank no. 3.
- 1. ourselves 2. herself 3. himself 4. yourself 79. Select the most appropriate option to fill in the blank no. 4.
- 1. in 2. without 3. for 4. with
- 80. Select the most appropriate option to fill in the blank no. 5.1. yet2. or3. but4. because

Answer Key

1.	(2)	2.	(3)	3.	(1)	4.	(3)	5.	(3)	6.	(1)	7.	(2)	8.	(2)	9.	(1)	10.	(1)
11.	(3)	12.	(2)	13.	(1)	14.	(1)	15.	(1)	16.	(2)	17.	(2)	18.	(4)	19.	(2)	20.	(2)
21.	(4)	22.	(3)	23.	(4)	24.	(3)	25.	(4)	26.	(3)	27.	(1)	28.	(2)	29.	(2)	30.	(4)
31.	(2)	32.	(4)	33.	(2)	34.	(3)	35.	(4)	36.	(3)	37.	(2)	38.	(3)	39.	(3)	40.	(4)
41.	(4)	42.	(3)	43.	(1)	44.	(2)	45.	(2)	46.	(2)	47.	(2)	48.	(3)	49.	(1)	50.	(1)
51.	(1)	52.	(4)	53.	(4)	54.	(4)	55.	(3)	56.	(4)	57.	(1)	58.	(4)	59.	(4)	60.	(4)
61.	(4)	62.	(3)	63.	(2)	64.	(1)	65.	(3)	66.	(4)	67.	(3)	68.	(3)	69.	(2)	70.	(1)
71.	(4)	72.	(2)	73.	(1)	74.	(1)	75.	(2)	76.	(4)	77.	(1)	78.	(4)	79.	(2)	80.	(2)

Answers with Explanations

1. Option (2) is correct.

Alphabets	А	В	С	D	Е	F	G	Н	Ι	J	K	L	М
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Alphabets	Ζ	Y	Х	W	V	U	Т	S	R	Q	Р	0	Ν
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14

Б	τ5	++	+5		τJ		+J		
Η	+2	J.	+2	L	+2	N	+2	P	
0	+1	P	+1	Q,	+1	R	+1	S	

6.

2. Option (3) is correct.

208 - 18 = 190190 - 27 = 163

$$163 - 36 = 127$$

 $127 - 45 = 82$

- 82 54 = 28
- 3. Option (1) is correct. JAMB = 5 1 3 9 BALM = 9 5 2 1 Similarly, Code for

A M B = 9 5 1 Hence, the code for L = 2

S

4. Option (3) is correct. Based on the code provided:

E(+) = J(-)

N(-)

5.

J is the mother of N.



Logic:

Follow the pattern and the symmetry. Hence, it is the correct answer.

+2



Option (1) is correct.

As per the given series _HKMO_NPRN_SUQT_XTW_ Grouping four letters First term \rightarrow _H K M _ 8 11 13 Last term \rightarrow X T W_ _ 24 20 23

Correct Series

We

 $\underline{L} H K M O \underline{K} N P R N Q S U Q T \underline{V} X T W \underline{Y}$ L K Q V Y is the answer.

7. Option (2) is correct.



Μ

♦+1

Ν

Ο

Р

♦+1

- 8. Option (2) is correct. G R A C E F U L A C E F G L U R Zero letters remain unchanged.
- 9. Option (1) is correct.



10. Option (1) is correct.



Logic:

In a mirror, the left image becomes right and the right becomes left. Hence, it is the correct answer.



11. Option (3) is correct.

\$ \$	\$ % %	\$ % 4	000 \$%440	?
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Logic:

Follow the pattern and the symmetry. Hence, it is the correct answer.



12. Option (2) is correct.

С	L	0	Ν	Е
↓ •_1	↓ +0	↓ +6	↓ •_3	+16
В	L	U	K	U
Similarly:	-			
В	0	U	N	D
↓ ▼_1	+0	↓ ₊₆	↓ -3	+16
А	0	A	K	Т
Hence,				
Ν	Ι	C	Н	Е
↓ •_1	↓ ₊₀	↓ ₊₆	↓ ₋₃	+16
М	Ι	Ι	Е	U

13. Option (1) is correct.





V

↓__1 U

R is second to the left of N.

15. Option (1) is correct.

Similarly,

Ν

↓_1

Μ



16. Option (2) is correct.

4 + 2 = 6 6 + 4 = 10 10 + 8 = 1818 + 16 = 34

$$34 + 32 = 66$$

17. Option (2) is correct.



Logic:

R-L-T

R-O-A

Hence, the face opposite E will be R.

18. Option (4) is correct.

B <u>+3</u>	→ ⁵
S <u>+3</u>	▶ 22
G <u>+3</u>	▶ 10
N <u>+3</u>	→ ¹⁷

Similarly,

T <u>+3</u>	→ ²³
A <u>+3</u>	→ ⁴
U <u>+3</u>	→ ²⁴
E <u>+3</u>	→ ⁸

Hence,





E and M are facing each other.

20. Option (2) is correct. $50 - 9 \div 1 + 63 \times 7 = ?$ Logic: Interchange \div and \times

And + and -

Using BODMAS Rule,

В	Bracket in order (), [], {}					
0	Of					
D	Division (÷)					
М	Multiplication (×)					
А	Addition (+)					
S	Subtraction (–)					

 $50 + 9 \times 1 - 63 \div 7$

Using BODMAS Rule,

 $= 50 + 9 \times 1 - 9$

```
= 50 + 9 - 9
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```
= 50
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21. Option (4) is correct.

Under the Public Examinations (Prevention of Unfair Means) Act, 2024, the penalties for individuals involved in unfair practices during exams are as follows:

General Offences: Individuals found guilty of resorting to unfair means face imprisonment ranging from 3-5 years and a fine of up to $\gtrless 10$ lakh.

Organised Crimes: For organised offences, the punishment is more severe, with imprisonment between 5-10 years and a minimum fine of ₹1 crore.

22. Option (3) is correct.

Madurai Shanmukhavadivu Subbulakshmi, a legendarv Carnatic vocalist was celebrated for her mesmerising voice and immense contributions to Indian classical music. In 1966, she became the first Indian musician to perform at the United Nations General Assembly (UNGA). Her musical journey took her to Europe and North America, where she earned widespread recognition and acclaim. She was honoured with numerous prestigious awards, including the Bharat Ratna, India's highest civilian honour, and the Ramon Magsaysay. The award made her the first Indian musician to receive it.

23. Option (4) is correct.

Northern Black Polished Ware (NBPW) is a type of fine, glossy pottery that was widely used during the Iron Age in the Indian subcontinent (c. 700-200 BCE). It is characterised by its high-quality finish, smooth surface, and lustrous black or dark grey colour. NBPW is considered one of the most distinctive ceramics of ancient India and is associated with the rise of urbanisation, trade, and early state formations in the Gangetic plains. It has been discovered in numerous archaeological sites, including Pataliputra, Hastinapur, and Taxila.

24. Option (3) is correct.

Justice Hima Kohli was the first woman to serve as the Chief Justice of the Telangana High Court and later became the ninth woman to be elevated to the Supreme Court of India. After a remarkable tenure, she bid farewell to the Supreme Court in August 2024. Throughout her career, Justice Kohli played a significant role in shaping judicial decisions and was known for her commitment to justice and legal reforms.

25. Option (4) is correct.

The Third Five-Year Plan (1961–1966) was initially designed to promote economic growth through advancements in agriculture and industry. However, its implementation was disrupted by significant economic challenges, including the Sino-Indian War (1962) and the Indo-Pakistani War (1965). These conflicts led to a sharp rise in military spending and diverting essential resources from planned development initiatives. Additionally, a severe food crisis and drought further weakened the economy. As a result, the plan fell short of its original objectives, and had to prioritise wartime expenditure and resource allocation.

26. Option (3) is correct.

Part III of the Indian Constitution (Articles 12-35) outlines Fundamental Rights, which safeguard essential freedoms and individual liberties. These rights encompass the Right to Equality, Right to Freedom, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights and the Right to Constitutional Remedies.

Regarded as the foundation of democracy in India, Fundamental Rights protect citizens from discrimination and arbitrary actions by the state. They are legally enforceable, allowing individuals to seek justice in case of violations through Article 32 in the Supreme Court or Article 226 in the High Courts.

27. **Option (1) is correct.**

The 'Green Revolution' was a significant agricultural transformation that occurred in the mid-20th century, especially during the 1960s and 1970s. It introduced highyield variety (HYV) seeds, chemical fertilisers, pesticides, advanced irrigation methods, and modern farming equipment to enhance food production. This revolution greatly contributed to increased crop yields, reduced food shortages, and economic growth in several developing nations, including India, Mexico, and the Philippines. Since its primary objective was to boost agricultural productivity, the 'Green Revolution' is classified under the agricultural sector of the economy.

28. **Option (2) is correct.**

Lakshmi Vishwanathan was a renowned Indian classical dancer, scholar, and author known for her exceptional contributions to Bharatanatyam. She was celebrated for her expressive abhinaya (facial expressions), deep understanding of the art form, and dedication to preserving traditional Bharatanatyam. Her contributions to the field earned her the Natya Kalanidhi Award from the Music Academy, one of the most prestigious honours in Indian classical dance.

29. Option (2) is correct.

In 1831, Michael Faraday discovered electromagnetic induction, a principle that describes how a changing magnetic field can generate an electric current in a conductor. His groundbreaking experiments paved the way for the invention of essential electrical devices such as transformers and generators, which form the backbone of modern electrical power systems. Faraday's discovery served as a cornerstone for future advancements in electromagnetism and electrical engineering, significantly influencing scientists like James Clerk Maxwell.

30. Option (4) is correct.

According to the Economic Survey 2023–24, India's agriculture sector recorded an annual average growth rate of 4.2% over the last five years, with a growth rate of 4.7% in 2022–23. However, the survey does not mention a projected growth rate of 5.5% for FY 2022–23. Hence, Statement 1 is not correct. During 2021–22, the country recorded US\$ 50.2 billion in total agriculture exports with a 20% increase from US\$ 41.3 billion in 2020–21. India's agriculture sector primarily exports Agri and allied products, marine products, plantation, and textile & allied products. Hence, Statement 2 is correct. During Kharif Marketing Season (KMS) 2021–22, 581.7 lakh metric tons (LMT) of rice was procured against an estimated target of 532.7 LMT. In the current year, KMS 2022–23, 399.4 LMT of rice has been procured up to 15th January 2023. Hence, Statement 3 is correct.

31. Option (2) is correct.

Pradhan Mantri Rojgar Protsahan Yojana (PMRPY) has been implemented since August 2016. The scheme was launched on 9th August 2016. The primary goal of PMRPY is to incentivise employers to create new employment and bring informal workers into the formal workforce. The scheme is implemented by the Ministry of Labour and Employment. The PMRPY scheme has been closed w.e.f. 31 March 2022.

32. Option (4) is correct.

The Government of India Act, of 1919, was based on the recommendations of the Montagu–Chelmsford Reforms. These reforms were named after Edwin Montagu, the Secretary of State for India from 1917–1922 and Lord Chelmsford, the Viceroy of India between 1916–1921. The Montagu–Chelmsford Report, prepared in 1918, outlined the proposed constitutional reforms, which were subsequently enacted as the Government of India Act, of 1919.

33. Option (2) is correct.

The Mamallapuram Dance Festival is held in Mamallapuram (Mahabalipuram), Tamil Nadu, against the backdrop of the famous Shore Temple. It is a celebration of various Indian classical dance forms, attracting artists, and audiences from all over the country.

34. Option (3) is correct.

Cherrapunji and Mawsynram in Meghalaya are the world's wettest places, receiving over 1,080 cm of rainfall annually. Mawsynram records around 11,871 mm, while Cherrapunji gets about 11,777 mm. Their extreme rainfall results from orographic precipitation as monsoon winds from the Bay of Bengal rise over the Khasi Hills. Despite heavy rains, Cherrapunji faces water scarcity in dry months due to rapid runoff. Mawsynram, slightly wetter, also experiences similar challenges with water retention.

35. Option (4) is correct.

According to the National Multidimensional Poverty Index: A Progress Review 2023, Dadra and Nagar Haveli and Daman and Diu has the highest % of multidimensionally poor among the given union territories, with 6.06% of its population living in multidimensional poverty.

36. Option (3) is correct.

Mahatma Gandhi was born on 2 October 1869. Every year, his birth anniversary is observed as Gandhi Jayanti in India to honour his invaluable contributions to the country's freedom struggle and his philosophy of non-violence. On 2 October 2022, the nation celebrated his 153 birth anniversary.

37. Option (2) is correct.

Kabaddi made its debut as a discipline in the 11 Asian Games were held in Beijing, China, in 1990. Since then, it has remained a regular feature in the competition. India has consistently excelled in the sport, securing multiple gold medals in both the men's and women's categories.

38. Option (3) is correct.

India hosted its first Asian Games in New Delhi in 1951, which was also the inaugural edition of the tournament, making India the first host nation. The event took place from 4 March to 11 March 1951, with 489 athletes from 11 countries competing across six sports. New Delhi later hosted the Asian Games once again in 1982, becoming one of the few cities to host the event twice.

39. Option (3) is correct.

The pumpkin plant, a member of the Cucurbitaceae family, which also includes cucumbers, melons and gourds, naturally grows as a creeper, spreading along the ground. However, when provided with proper support, it can be trained to climb walls, fences, or trellises using its tendrils—slender, curling structures that wrap around objects to help the plant grow vertically.

40. Option (4) is correct.

The Union Public Service Commission (UPSC) is governed by Articles 315 to 323 of the Indian Constitution, which falls under Part XIV – Services Under the Union and the States. These articles define the structure, functions, and powers of both the UPSC and State Public Service Commissions.

Key Articles Related to UPSC:

Article 315: Establishes Public Service Commissions for the Union and the States.

Article 316: Specifies the appointment and tenure of the chairman and members.

Article 317: Covers the removal and suspension of members. Article 318: Grants power to set conditions of service.

Article 319: Imposes restrictions on reappointment after the term.

Article 320: Details the functions of UPSC, including recruitment, examinations, and advisory roles.

Article 321: Allows the government to extend UPSC's functions.

Article 322: States that UPSC's expenses are charged to the Consolidated Fund of India.

Article 323: Describes the submission of UPSC reports to the President, or Governor.

41. Option (4) is correct.

Third proportional of two number a and b can be taken as,

$$a:b::b:c$$

$$16:48::48:x$$

$$\frac{48}{16} = \frac{x}{48}$$

$$x = \frac{48 \times 48}{16}$$

$$\Rightarrow \qquad x = 144$$

12. Option (3) is correct.
Let principal is x and mix is r.
Simple literest
$$-\frac{xx^2x^r}{100} - 42$$

 $x^r = 2100$...(i)
138. $y = 170 - 138$
 $y = 170$
 $150 + 100 + x^2 - 140$
His marks in Edglish $\frac{700 \times 100}{100} \times 2 = 140$
His marks in Edglish $\frac{700 \times 100}{100} \times 2 = 140$
His marks in Science $\frac{50 \times 100}{100} \times 2 = 140$
His marks in Edglish $\frac{700 \times 100}{100} \times 2 = 140$
His marks in Mah $\frac{60 \times 100}{100} \times 2 = 140$
His marks in Mah $\frac{60 \times 100}{100} \times 2 = 140$
His marks in Edglish $\frac{700 \times 100}{100} \times 2 = 140$
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His marks in Edglish $\frac{700 \times 100}{100} \times 2 = \frac{50}{10}$
His mar

 $=\frac{35w}{100}$

LCM (28, 60, 120, 135)
=
$$2^3 \times 3^3 \times 5 \times 7$$

= $8 \times 27 \times 5 \times 7$
= 189×40
= 7560

48.

Option (3) is correct.
Let he sell 1000 gm in x rupees.
Total sold weight =
$$1000\left(1-\frac{46}{100}\right)$$

= $1000-460$
= 540 gm
Actual cost of goods = $x \times \frac{540}{1000}$
profit = $x - \frac{540x}{1000}$
= $\frac{460x}{1000}$
His profit percentage = $\frac{460x \times 1000}{1000 \times 540x} \times 100$
= $\frac{46}{54} \times 100\%$
= $\frac{2300}{27}\%$
= $85\frac{5}{27}\%$

49. Option (1) is correct.

Let the number are
$$4x$$
 and $9x$.
Mean proportional $= \sqrt{4x.9x}$
 $= \sqrt{36x^2}$
 $= 6x$
Given, $6x = 24$
 $x = 4$

Positive difference =9x - 4x= 5x $= 5 \times 4 (\because x = 4)$ = 20

50. Option (1) is correct.

Let height of cones are h_1 and h_2 . radii of their bases are r_1 and r_2 . volumes are V_1 and V_2 :

Now, $\begin{aligned}
\mathbf{V}_{1} &= \frac{1}{3}\pi r_{1}^{2}h_{1} \\
\mathbf{V}_{2} &= \frac{1}{3}\pi r_{2}^{2}h_{2} \\
\frac{\mathbf{V}_{1}}{\mathbf{V}_{2}} &= \frac{r_{1}^{2}h_{1}}{r_{2}^{2}h_{2}} \\
&= \left(\frac{r_{1}}{r_{2}}\right)^{2}\cdot\frac{1}{2}
\end{aligned}$

$$= \left(\frac{r_1}{r_2}\right)^2 \cdot \frac{h_1}{h_2}$$
$$= \left(\frac{1}{2}\right)^2 \cdot \frac{4}{3}$$
$$= \frac{1}{3}$$

Hence, $V_1: V_2 = 1:3$

51. Option (1) is correct.

Let Tushar got x Rs. initially. ketan got 24,700 – x Rs. ketan money ramin in bank for 11 years. Tushar money remain in bank for 10 years. According to question,

$$(24,700-x)\left(1+\frac{8}{100}\right)^{11} = x\left(1+\frac{8}{100}\right)^{10}$$
$$(24700-x)\frac{108}{100} = x$$
$$24,700 \times 108 - 108x = 100x$$
$$24,700 \times 108 = 208x$$
$$x = 12,825$$

52. Option (4) is correct.

 \Rightarrow

Let distance between Ahmedabad and Kolkata is *x* km. Let time taken from kolkata to Ahmedabad is t_1 . Time taken from Ahmedabad to kolkata is t_2 .

$$t_1 = \frac{x}{9}$$

$$t_2 = \frac{x}{18}$$

$$t_1 + t_2 = \frac{x}{9} + \frac{x}{18}$$

$$= \frac{3x}{18} = \frac{x}{6}$$
Fotal distance $= x + x = 2x$
werage speed $= \frac{2x}{x/6}$
 $= 2 \times 6 = 12$ km/h

53. Option (4) is correct.

7

A

Let price of book is 100. Final price after given discounts: (I) 100 (1 - 0.2) (1 - 0.2) = 64(II) 100 (1 - 0.25) (1 - 0.15) = 63.75(III) 100 (1 - 0.3) (1 - 0.1) = 63(IV) 100 (1 - 0.05) (1 - 0.35) = 61.75Hence, (IV)scheme is good.

54. Option (4) is correct.

$$\left[(48 \div 8) \times \left\{ \frac{49}{7} + \frac{40}{4} \times (7-3) \right\} \right]$$
$$= \frac{48}{8} \times \left\{ \frac{49}{7} + 10 \times 4 \right\}$$
$$= 6 \times \{7 + 40\}$$
$$= 6 \times 47 = 282$$

55. Option (3) is correct. Initially \Rightarrow \longrightarrow 80 km/h After t minutes \longrightarrow 80 km/h \longrightarrow 150 km/h Total distance covered = 210 + 140 = 350 m Relative speed = 150 - 80 = 70 km/h

$$= \frac{70 \times 1000}{60} \text{ m/min}$$
$$= \frac{7000}{6} \text{ m/min}$$
$$t = \frac{350 \times 6}{7000}$$
$$= \frac{6}{20} \text{ min} = 0.3 \text{ min}$$

56. Option (4) is correct.

Let cost of article =
$$\gtrless x$$

Profit = 8%
Total selling price = $x \left(1 + \frac{8}{100} \right)$
 $\therefore \qquad x \left(1 + \frac{8}{100} \right) = 1566$
 $x = \frac{1566 \times 100}{108}$

$$n = 71450$$

57. Option (1) is correct.

Let rate of interest = r%

Profit for Vipul =
$$5400 \times 5 \times \frac{r}{100} = 270r$$

Profit for Vijay =
$$9400 \times 5 \times \frac{r}{100}$$

= $470r$
. $470r - 270r = 840$
 \Rightarrow $200r = 840$
 \Rightarrow $r = \frac{840}{200}$

$$r = 4.2$$

58. Option (4) is correct.

=

=

 \rightarrow

=

Let initial price of petrol = xCurrent cost = 1.85xLet consumption reduced by y%

$$\left(1 - \frac{y}{100}\right) \times 1.85 = 1(1 + 0.48)$$

= 0.2

$$\therefore \qquad \left(1 - \frac{y}{100}\right) = \frac{1.4c}{1.82}$$
$$\Rightarrow \qquad 1 - \frac{y}{100} = 0.8$$

$$\Rightarrow \qquad y = 20\%$$

100

59. Option (4) is correct.

Let number is *x*. *x* is decrease by 15%

$$\Rightarrow x \left(1 - \frac{15}{100}\right) \Rightarrow 0.85x$$

Now increase by 20%

$$= 0.85x \left(1 + \frac{20}{100} \right) = 0.85x (1.2)$$
$$= 1.02x$$

According to question, 1.02x = x + 78 $\Rightarrow 1.02x - x = 78$ $\Rightarrow 0.02x = 78$ $\Rightarrow x = \frac{78}{0.02}$

60. Option (4) is correct.

 \Rightarrow

or

Let numbers are x, y H.C.F (x, y) = 11 x + y = 132 [x > 42, y > 42] \therefore $x + y = 11 \times 12$

12 must be sum of two co-prime number, which are greater than 4.

 $12 \Rightarrow 5 + 7$

Hence,
$$x + y = 11(5 + 7)$$

$$x = 55$$
 and $y = 77$

x = 3900

$$x = 77$$
 and $y = 55$
 $|x - y| = 77 - 55 = 22$

61. **Option (4) is correct.**

The correct answer is : The teacher gave the students clear instructions before the exam. 'Clear' means a thing that can be easily understood. Giving strong instructions before an exam does not make sense; similarly, great, or careful instructions do not align with the meaning of the sentence.

62. Option (3) is correct.

In the sentence, 'the students had to write an essay for their asignment', the word 'asignment' has an error in spelling. It must be written as 'assignment', which means a task or piece of work allocated to someone as part of a job or course of study.

63. Option (2) is correct.

'Arrogant' is an adjective for describing people who are too proud and look down on others. The synonyms can be 'haughty', or 'conceited'. While the correct antonym is 'humble' meaning having or showing a modest or low estimate of one's importance. Creepy means causing an unpleasant feeling of fear or unease.

64. Option (1) is correct.

Broad implies having ample extent from side to side or between limits. This is similar to 'wide'. While 'small' is the antonym of the word.

65. Option (3) is correct.

Flaunt means to show or make obvious something you are proud of and get admiration; 'parade implies an ostentatious or arrogant displaying'. Thus, 'parade' is a synonym; while, 'hide' is the antonym.

66. Option (4) is correct.

This question tests one's skill of grammar. The question is related to prepositions. "At" is used to refer to specific times on the clock or points of time in the day. Between is used to indicate the space or interval between two or more things. "Across" is used as a preposition to mean from one side to the other of something. In the given sentence, the dog is believed to have crossed the garden chasing the cat. The correct answer is: The dog ran across the garden chasing the cat.

67. Option (3) is correct.

This question tests one's skill of vocabulary. The question is related to homonyms. Heir means a person legally entitled to the property or rank of another on that person's death; a successor. While 'hare' are animals that are closely related to rabbits but larger, with longer ears and hind legs. But the context refers to hair, and 'grey hair' metaphorically refers to old people, who can be thereby considered wise. The correct answer is: Grey hair is no sure sign of attaining wisdom.

68. Option (3) is correct.

This question tests one's skill of vocabulary. The question is related to idioms. Man of straw refers to a person regarded as having no substance or integrity. Thus, the correct answer is: a person who is disregarded as lacking character or morality. Example: He is a man of straw, who ditches his parents for getting a paltry share in their wealth.

69. Option (2) is correct.

This question tests one's skill of vocabulary. Destruction implies the action or process of causing so much damage to something that it no longer exists or cannot be repaired. The obvious choice for the blank for the antonym is 'creation'. The correct answer is : The widespread creation of the natural world threatens the food we eat, the water we drink, and the air we breathe.

70. Option (1) is correct.

This question tests one's skill of vocabulary. Desecrate and treat (a sacred place or thing) with violent disrespect. Upright is strictly honourable or honest. Disapprove is to have or express an unfavourable opinion. While 'modest' is not large in size or amount, or not expensive. The word 'sin' hints at an immoral and rebellious act- that of disrespecting places of religious worship. The correct answer is: It is a sin against God and humanity to desecrate places of religious worship.

71. Option (4) is correct.

This question tests one's skill of vocabulary. Here, 'creatively and unconventionally' will be replaced by 'outside the box'. The idiom means 'to think creatively, unconventionally, or from a new perspective'. The question is related to idioms. The correct answer is: When it comes to cooking, she can think outside the box to create unique dishes that surprise everyone.

72. Option (2) is correct.

Here, "spoke" is in the past tense, while "articulating" is are in the present participle (-ing form) and "engaged" is in the past tense. This creates an imbalance in the sentence structure. Hence, "He spoke passionately about his favourite book, articulated his thoughts clearly, and engaged everyone in a lively discussion about its themes."

This correction makes the sentence grammatically consistent and easy to read.

73. Option (1) is correct.

This question tests one's skill of grammar. It tests one's proficiency in pronouns. Since, the subject is 'we', the pronoun that automatically follows its antecedent is 'ourselves', as 'we' becomes 'ourselves' as reflexive/emphatic pronoun. The correct answer is : We will complete the project ourselves without external help. Had the subject been 'one', it would have been 'oneself'; with 'they' the answer could have been 'themselves' and with 'it', the pronoun changes to 'itself'.

74. Option (1) is correct.

This question tests one's proficiency in spellings. The sentence 'The students wrote an interesting essey on the topic' contains a spelling error in the word 'essey'; it, should be 'essay'.

75. Option (2) is correct.

This question tests one's skill of grammar. The part 'to her boss until she realises' contains the error; this is because the sentence is in the past tense, as indicated in the use of 'had been writing', and 'was not interested'. The events are already over. Thus, all associated verbs will take a similar structure – realised. Alka had been writing to her boss until she realised that he was not interested in resolving her issues.

76. Option (4) is correct.

Tedious means 'boring and monotonous', 'contemptuous' means showing or feeling contempt; scornful; or disrespectful. Baleful implies threatening harm; menacing. The sentence clarifies a certain sense of freedom about being alone in a carriage and this is in the unpleasant background of a noisy night. Thus, 'pleasant' is the most appropriate choice for the blank. The correct answer is: There is a pleasant sense of freedom about being alone in a carriage that is jolting noisily through the night.

77. Option (1) is correct.

Agreeable means pleasant, and gratifying; detestable means deserving intense dislike. Humour refers to a comical aspect, miserable is being in a pitiable state of distress or unhappiness. The sentence deserves a word that justifies the unlimited freedom of being alone in a carriage. Thus, the only positive word is 'agreeable'. The correct answer is: It is liberty unrestrained in a very agreeable form.

78. Option (4) is correct.

It tests one's proficiency in pronouns. Since, the subject is 'you', the pronoun that automatically follows its antecedent is 'yourself', as 'you' becomes 'yourself' as reflexive / emphatic pronoun. Had the subject been 'our', it would have been 'ourselves'; with 'she', the answer could have been 'herself' and with 'he', the pronoun changes to 'himself'. The correct answer is : You can do anything you like. You can talk to yourself as loud as you please and no one will hear you.

79. Option (2) is correct.

The context deals with the delight in the sense of freedom and taking the liberty of doing anything you like. So, the writer must be feeling elated at the thought of indulging in an argument with Jones and rolling him triumphantly in the dust, but there is no fear of a counterstroke. Thus, 'without' is the most appropriate preposition. The correct answer is: You can have that argument out with Jones and roll him triumphantly in the dust without fear of a counterstroke.

80. Option (2) is correct.

The context deals with the delight in the sense of freedom and taking the liberty of doing anything you like. One of the many being able to sing or dance a two-step practice a golf stroke or play marbles on the floor. The correct preposition is 'or' as the context offers alternatives in enjoying oneself in freedom. The correct answer is : You can stand on your head and no one will see you. You can sing or dance a two-step practice a golf stroke, or play marbles on the floor without let or hindrance.