Multi Tasking Non Technical Staff and Havaldar CBIC and CBN Examination 2024

Exam Date	30/09/2024
Exam	9:00 AM - 11:00 AM
Time	0.007401 11.007401
Subject	MTS Non Tech Havaldar CBIC and CBN Examination
Gubject	2024

Section: Numerical and Mathematical Ability

Q.1 The average monthly expenditure of a family was ₹8,600 during the first three months, ₹9,750 during the next four months and ₹9,920 during the last five months of a year. If the total savings during the year was ₹65,300, the average monthly income (in ₹) of the family was:

Ans

- **1.** 14,975
- X 2. 15,794
- X 3. 15,479
- X 4. 14,597
- Q.2 A thief saw a policeman, and he started running at a speed of 18 m/s. After 12 seconds, the policeman starts running behind the thief at a certain speed. If the policeman covered 864 meters distance to reach the thief, then the speed (in m/s) of the policeman is:

Ans

- X 1. 28
- X 2. 15
- X 3.30
- 4. 24
- Q.3 The ratio of the present age of A and B is 3 : 1. Five years ago, the ratio of their ages was 5 : 1. The age of A (in years) after eight years will be:

Ans

- X 1.30
- X 2. 22
- **3**. 38
- X 4.40
- Q.4 Two trains, 148 m and 152 m long, are running towards each other on parallel lines at 62 km/h and 46km/h, respectively. In what time will they be clear of each other from the moment they meet?

Ans

- 💢 1. 5 sec
- X 2. 20 sec
- 3. 10 sec
- X 4. 15 sec
- The area of an equilateral triangle is $\frac{\sqrt{5043}}{4}$ sq. cm. The side of the equilateral triangle is:

Ans

- \times 1. $\sqrt{23}$ cm
- \times 2. $\sqrt{29}$ cm
- \times 3. $\sqrt{47}$ cm
- √ 4. √41 cm

Q.6	The average monthly income of A and B is ₹3,590. The average monthly income of B and C is ₹4,250. The average monthly income of A and C is ₹6,500. What is the monthly income of C?
Ans	X 1. ₹7,545
	X 2. ₹6,984
	X 3. ₹8,190
Q.7	In a 100-marks test, the average of marks scored by 50 students was found to be 65. Later on, it was discovered that a score of 88 was misread as 68. Find the correct average.
Ans	× 1. 65.60
	× 2. 65.50
	★ 3. 65.70
	√ 4. 65.40
Q.8	A man sells an article at a certain price and suffers a loss of 20%. If he sells the article at ₹100 more, he gets a profit of 30%. Find the cost price of the article (in ₹).
Ans	X 1. 250
	× 2. 300
	× 3. 400
	✓ 4. 200
Q.9	A sum invested at 5% simple interest per annum grows to ₹806 in 6 years. If the amount remains the same, how much will it grow at a 12% simple interest rate in 5 years?
Ans	√ 1. ₹992
	X 2. ₹985
	× 3. ₹1,000
	X 4. ₹1,120
Q.10	Find the simple interest (in ₹) on ₹3500 as a sum borrowed at 7% per year rate of interest for 6 years.
Ans	X 1. 1430
	√ 2. 1470
	X 3. 1510
	X 4. 1410
Q.11	The area of a regular hexagon is $2048\sqrt{3}$ cm ² . What is the length (in cm) of each
	side of the hexagon?
Ans	× 1. 32√3
	$64\sqrt{3}$
	\checkmark 2. $\frac{64\sqrt{3}}{3}$
	\times 3. $\frac{32\sqrt{3}}{3}$
	3
	\times 4. $64\sqrt{3}$
Q.12	Rice worth₹43/kg and₹67/kg are mixed with a third variety in the ratio 2 : 1 : 5. If the mixture is worth₹96/kg,
	the price (in ₹) of the third variety of rice per kg will be:
Ans	X 1. 131
	X 2. 159
	× 4. 142

Q.13 Three numbers are in the ratio of 6:7:3 and their LCM is 3654. Their HCF is:

Ans

X 1.28

2. 87

X 3. 29

X 4. 27

Q.14 Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 7% per year rate of interest for 5 years.

Ans

1. 1050

X 2.990

X 3. 1010

X 4. 1090

20 identical solid hemispheres of radius 3 cm are melted to form a big solid hemisphere. What is the radius (in cm) of the Q.15 biggest hemisphere formed, if 20% of the solid is wasted during the process?

Ans

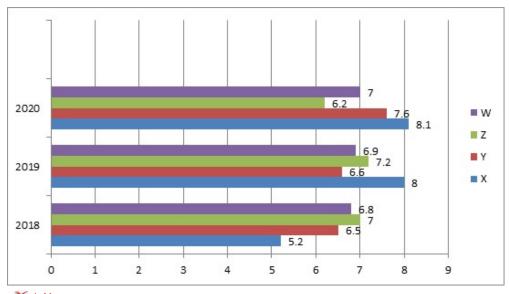
$$\times 1.3\sqrt{2}$$

X 2. 6

X 4. 3

The following bar graph shows the production of cement (in 10,000 tones) by 4 companies X, Y, Z and W during the period Q.16 2018 - 2020. Study the bar graph carefully and answer the question.

Which company has the maximum average production over the course of 3 years?



Ans

X 1. Y

✓ 2. X

X 3. W

X 4. Z

Q.17 Riya offers 12% discount on all her goods and offers an additional discount of 6% to those customers who pay in cash. How much will a customer have to pay for a fan marked for ₹2,400 if he pays in cash?

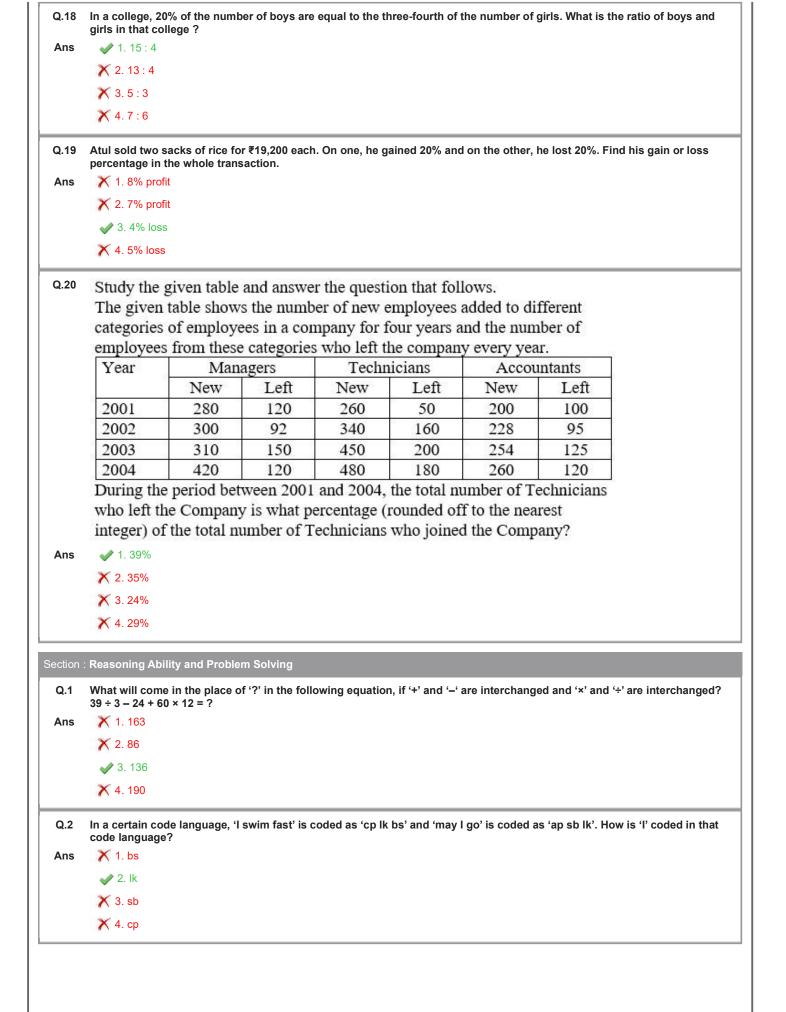
Ans

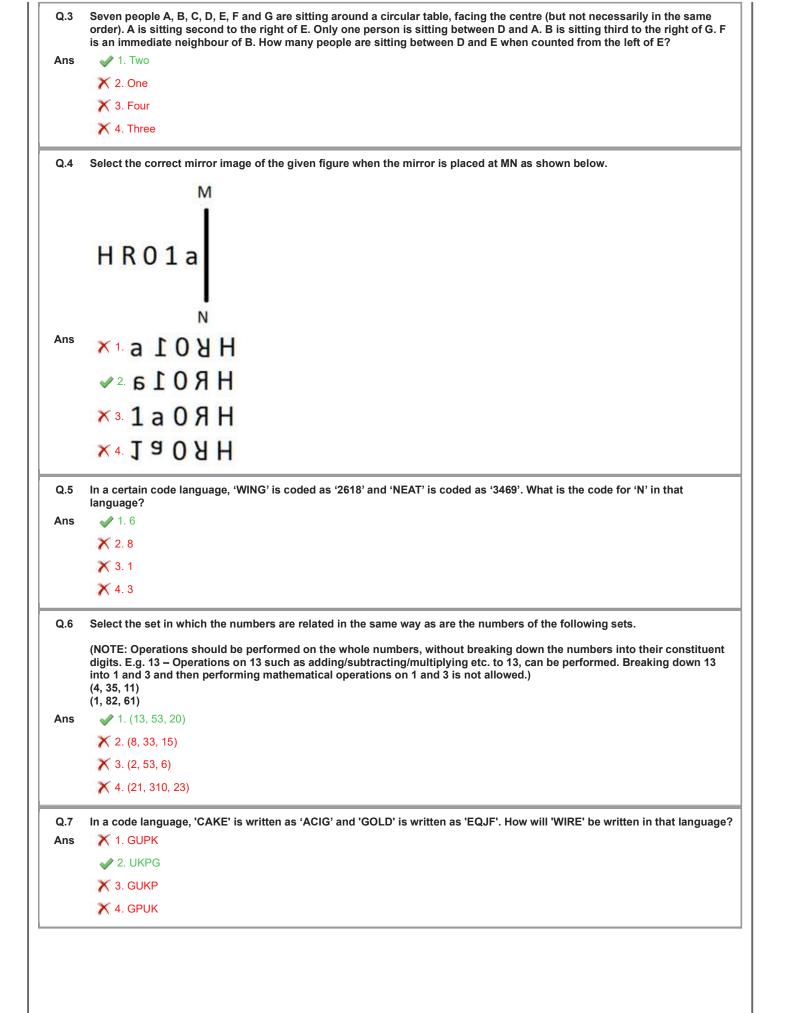
1. ₹1,985.28

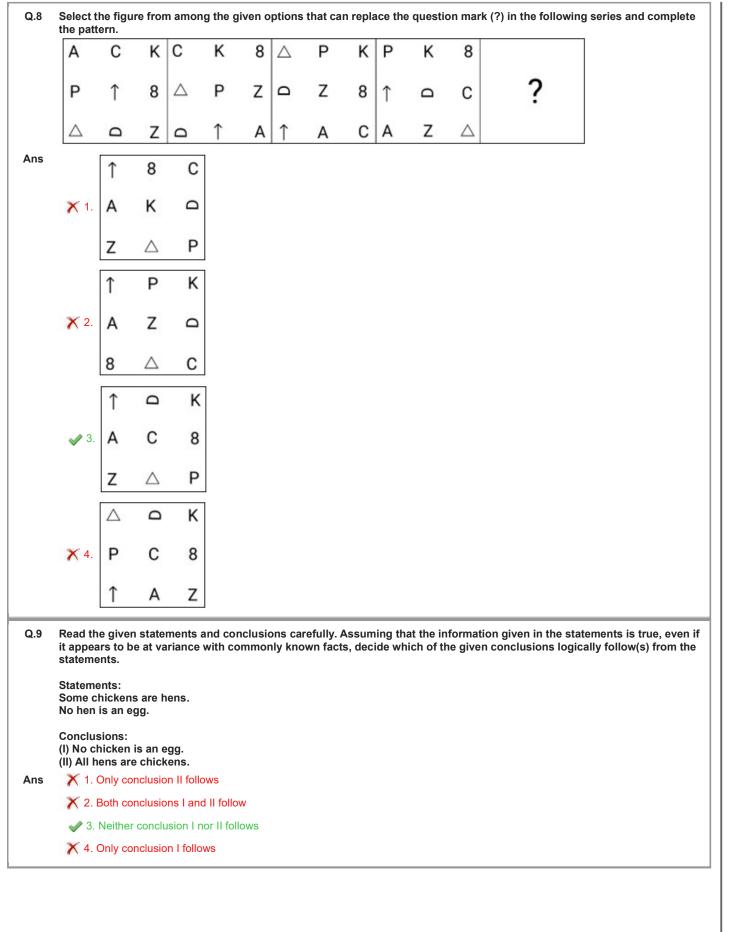
X 2. ₹1,900

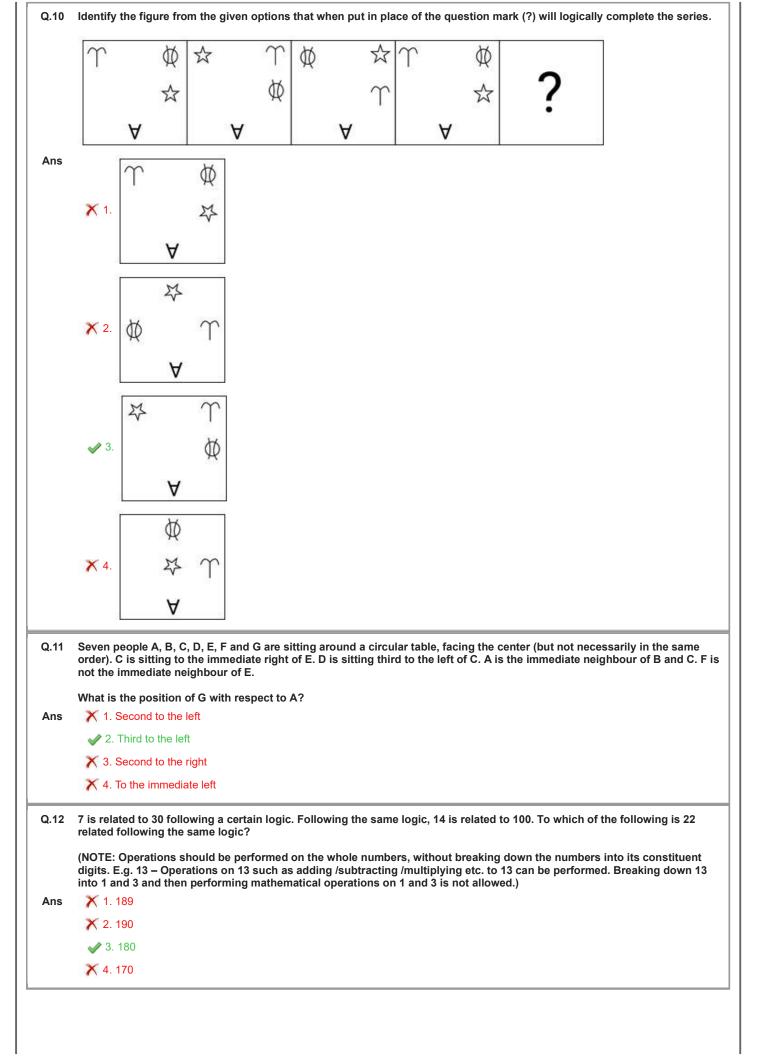
X 3. ₹2,300.50

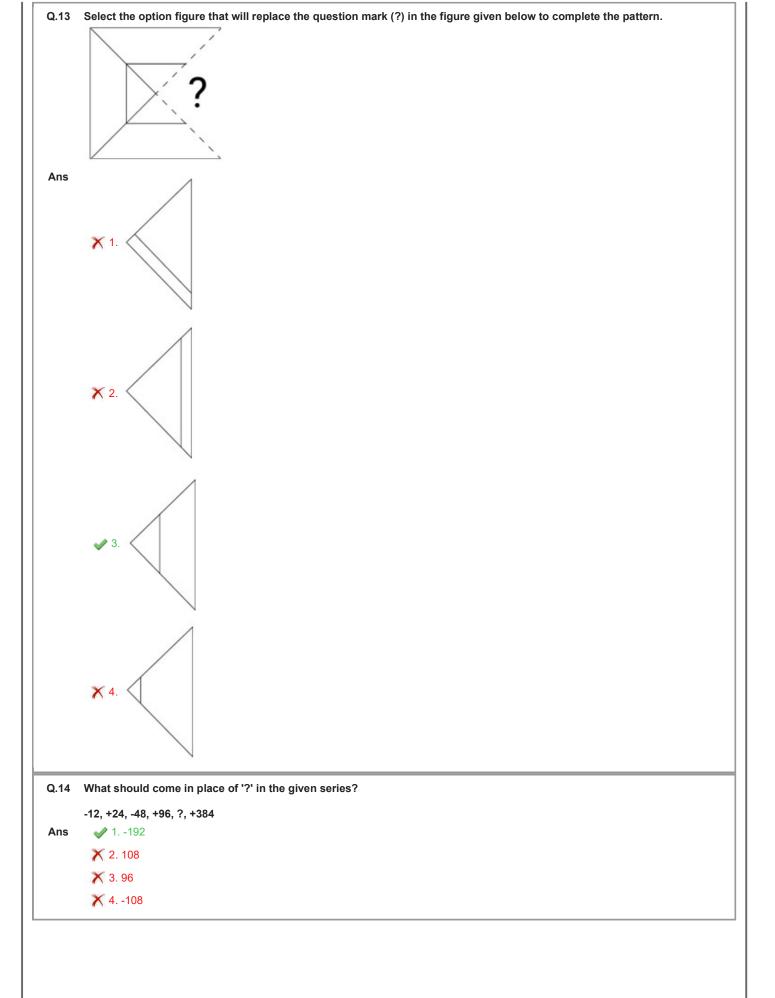
X 4. ₹2,122.50











Q.15	interchanged?
	5 ÷ 6 × 3 – 4 + 11 = ?
Ans	X 1.7
	X 2. 11
	★ 3. 14
	◆ 4. 3
Q.16	JM12 is related to EH15 in a certain way. In the same way, QT34 is related to LO37. To which of the following is SV 23 related following the same logic?
Ans	X 1. MP26
	※ 2. MQ27
	★ 4. NP27
Q.17	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 conclusion(s) logically follow(s) from the statement(s). Statements:
	No bus is a car. No car is a truck.
	Conclusions: (I) No car is a bus.
	(II) No truck is a car.
Ans	X 1. Only conclusion II follows.
	X 2. Only conclusion I follows.
	X 3. Neither conclusion I nor II follows.
Q.18	In a code language, 'COLONY' is coded as '48' and 'INTERCHANGE' is coded as '88'. How will 'MOUNTAIN' be coded in the same language?
Ans	√ 1. 64
	★ 2.86
	★ 3. 66
	★ 4.84
Q.19	HFLI is related to OMSP in a certain way based on the English alphabetical order. In the same way, KIOL is related to RPVS. To which of the following is MKQN related, following the same logic?
Ans	X 1. TRUX
	X 2. RTXU
	X 3. RTUX
	✓ 4. TRXU
Q.20	What should come in place of ? in the given series based on the English alphabetical order?
	ACE ,FHJ, KMO, PRT , ?
Ans	X 1. NOP
	✓ 2. UWY
	X 3. GJK
	X 4. BCD

Q.1	The Pharmacy (Amendment) Bill, 2023 was introduced in Lok Sabha on 3 August 2023, which amends the
Ans	X 1. Pharmacy Act, 1950
	× 2. Pharmacy Act, 1949
	X 3. Pharmacy Act, 1947
	✓ 4. Pharmacy Act, 1948
Q.2	In which state/union territory is Losar celebrated to mark the start of the new year in that region?
Ans	X 1. Kerala
	X 2. Bihar
	✓ 3. Ladakh
	X 4. New Delhi
Q.3	Kanak Rele, who established Nalanda Dance Research Centre, was a performer of which of the following classical dance
4.0	forms of India?
Ans	✓ 1. Mohiniyattam
	× 2. Manipuri
	X 3. Kathak
	× 4. Sattriya
Q.4	Which of the following acts introduced the system of dyarchy in the provincial administration in India?
Ans	X 1. The Government of India Act of 1909
	✓ 2. The Government of India Act of 1919
	X 3. The Government of India Act of 1935
	X 4. The Government of India Act of 1947
0.5	
Q.5 Ans	In which part of India is cool mountain climate observed? 1. West
Allo	× 2. South
	✓ 3. North
	X 4. East
Q.6	Who was the founder of the Mauryan dynasty?
Ans	X 1. Vikramaditya
	× 2. Bindusara
	× 4. Ashoka
Q.7	As of 31 st October 2023, the senior-most member (in terms of age) in the 17 th Lok Sabha, Shafiqur Rahman Barq represents
Ano	which political party? X 1. Bharatiya Janata Party
Ans	
	X 2. Indian National Congress
	✓ 3. Samajwadi Party ✓ 4. Danieli danie
	X 4. Rashtriya Janata Dal
Q.8	Which of the following books is written by Dadabhai Naoroji?
Ans	X 1. Poverty and India
	X 2. Important Chapters of Poverty
	X 4. Economics History of India

Q.9	The historical fiction 'The Glory of Patan' by KM Munshi was originally written in which Indian language?
Ans	X 1. Malayalam
	X 2. Bengali
	X 3. Tamil
	✓ 4. Gujarati
	2
Q.10 Ans	On which date did Punjab abolish the Legislative Council? 1.1 January 1971
AllS	
	X 2. 1 January 1977
	★ 3. 1 January 1975
	√ 4. 1 January 1970
Q.11	The chemical compound present in turmeric is:
Ans	✓ 1. curcumin
	X 2. tartaric acid
	X 3. carotene
	X 4. capsaicin
0.40	
Q.12	Who among the following established the Indore gharana? 1. Bhimsen Joshi
Ans	
	✓ 2. Ustad Amir Khan
	X 3. Tansen
	X 4. Ustad Ghaghe Khuda Baksh
Q.13	With reference to medieval Indian architecture style, what is 'Pietra Dura'?
Ans	X 1. Sculpture art of the Mauryan period
	X 2. Oil paintings on the walls of Taj Mahal
	X 3. Fine quality clothes used by the Mughals
	✓ 4. Decorating the walls with floral designs made of semi-precious stones
Q.14	The Rabi season of agriculture begins in October-November and ends in
Ans	X 1. June-July
	✓ 2. March-April
	X 3. January-February
	X 4. May-June
Q.15	What is the chemical formula for sodium bicarbonate?
Ans	X 1. NaCl
	X 2. Na₂CO₃
	✓ 3. NaHCO ₃
	X 4. NaOH
Q.16	Which of the following is one of the features of capital goods?
Ans	√ 1. They are durable. ✓ 1. They are durable. ✓ 2. They are durable. ✓ 3. They are durable. ✓ 3. They are durable. ✓ 3. They are durable. ✓ 4. They are durable. ✓ 5. They are durable. ✓ 7. They are durable. ✓
	X 2. They are inexpensive.
	★ 3. They are Giffen goods.
	X 4. They are inferior goods.

Ans 🔀 1. पद्म श्री, पद्म विभूषण, पद्म भूषण 🔀 2. पद्म भूषण, पद्म श्री, पद्म विभूषण	
🗶 2 ਸ਼ੂਰ ਮੁਕਸ਼ਾ ਸ਼ੂਰਾ ਕੀ ਸ਼ੂਰ ਰਿਮੁਕਸ਼ਾ	
٨ ٢٠. ١٩ ٠ ١١٠ ١١٠ ١١٠ ١١٠ ١١٠ ١١٠ ١١٠ ١١٠ ١١	
🛹 3. पद्म विभूषण, पद्म भूषण, पद्म श्री	
🔀 4. पद्म श्री, पद्म भूषण, पद्म विभूषण	
Q.18 Which of the following dynasties established the Vijayanagara kingdom in fourteenth century?	
Ans X 1. Aravidu dynasty	
× 2. Saluva dynasty	
★ 3. Tuluva dynasty	
✓ 4. Sangama dynasty	
Cangania dynacty	
Q.19 The red colour of tomatoes is due to the presence of:	
Ans X 1. limonene	
√ 2. lycopene	
X 3. beta carotene	
X 4. alizarin	
Q.20 Which Union Territory had minimum literacy rate as per 2011 Census?	
Ans X 1. Chandigarh	
✓ 2. Dadra and Nagar Haveli	
X 3. Lakshadweep	
🗙 4. Delhi	
Q.21 In 1976, in which Part of the Indian Constitution under Article 51A were Fundamental Duties added?	
Ans X 1. VI	
★ 2. V	
X 4. Ⅲ	
Q.22 With which sport is Sanjana Bathula associated?	
Ans 1. Roller skating	
X 2. Squash	
X 3. Shooting	
X 4. Badminton	
Q.23 Who was the captain of Royal Challengers Bangalore in the Women's Premier League event 2023?	
Ans X 1. Harmanpreet Kaur	
× 2. Deepti Sharma	
X 3. Shafali Verma	
✓ 4. Smriti Mandhana	
Q.24 Which of the following statements is/are correct about the famous place Mawsynram? A. It is the wettest place on the earth.	
B. It is located in Meghalaya state of India. Ans 1. Only A is correct.	
Ans X 1. Only A is correct. X 2. Neither A nor B is correct.	
3. Only B is correct.	
√ 4. A and B both are correct. ——————————————————————————————————	

Ans	X 1. Nine
	√ 2. Seven
	✗ 3. Six
	X 4. Eight
Section	: English Language and Comprehension
Q.1	Select the INCORRECTLY spelt word.
Ans	X 1. Trifle
	X 2. Surrender
	√ 3. Consicstent
	X 4. Disgust
Q.2	Select the most appropriate synonym of the given word. Ecstatic
Ans	X 1. Shocked
	✓ 2. Happy
	X 3. Angry
	X 4. Interested
Q.3	The following sentence has been split into four segments. Identify the segment that contains a phrasal verb error.
	Mrs. Premlatha asked / Malini to hand down / all the / payment slips.
Ans	X 1. all the
	X 2. Mrs. Premlatha asked
	X 4. payment slips
Q.4	What does it imply when people say to 'read between the lines'?
Ans	X 1. To read something fast
	✓ 2. To read with an ability to infer the meaning
	X 3. To skip initial and final lines in a paragraph
	X 4. To avoid detailed information
Q.5	The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
	The workers had been repairing / the mall road in / town for / several days now.
Ans	X 1. the mall road in
	X 2. several days now
	√ 3. The workers had been repairing ✓ 1. The workers had been repairing ✓ 1. The workers had been repairing ✓ 2. The workers had been repairing ✓ 3. The workers had been repairing ✓ 4. The workers had been repairing ✓ 5.
	X 4. town for
Q.6	Select the most appropriate meaning of the given idiom. A piece of cake
Ans	X 1. A slice of cake for eating
	2. Easy to do or achieve
	X 3. A cake which is sold as a piece
	X 4. A cake that broke into pieces

Q.25 How many countries share their land borders with India?

Q.7	Select the most appropriate option to fill in the blank. Cultural heritage is the lifeblood of any and serves as a link between generations.
Ans	X 1. lethargy
	× 2. birthright
	√ 3. civilisation
	★ 4. believe
Q.8	Select the most appropriate verb form to fill in the blank.
	Arun his bicycle to school every day.
Ans	X 1. ride
	× 2. riding
	√ 3. rides
	X 4. rode
Q.9	Select the most appropriate synonym of the word 'pursue' from the given sentence. Dr. Kalam's success in the field of science has inspired young Indians to dream big and chase those dreams with immense hard work.
Ans	√ 1. chase
	X 2. inspired
	X 3. immense
	X 4. success
Q.10	The following sentence has been split into four segments. Identify the segment that contains a grammatical error. My secretary is disposed of / discuss everything in great detail / before she begins / the actual work.
Ans	✓ 1. My secretary is disposed of
	X 2. discuss everything in great detail
	X 3. before she begins
	X 4. the actual work.
Q.11	Select the option that correctly rectifies the underlined spelling error. The <u>accideent</u> on the highway caused a long traffic jam.
Ans	X 1. accidnt
	X 2. acicdent
	✓ 3. accident
	X 4. acident
Q.12	The following sentence has been divided into four segments. One of them contains an error. Select the segment that contains the error from the given options. Neither Smith / nor Rose / were in / the classroom.
Ans	X 1. Neither Smith
	✓ 2. were in
	X 3. the classroom
	X 4. nor Rose
Q.13	Select the most appropriate synonym of the underlined word The project's tight deadline and complex requirements made it a gruelling task for the team.
Ans	X 1. Empowering
	X 2. Inclusive
	X 4. Accessible

Q.14	Select the most appropriate option to fill in the blank.
	He is tired to finish his homework.
Ans	★ 1. to
	√ 2. too
	X 3. most
	★ 4. more
Q.15	Select the most appropriate option to fill in the blank.
Ans	Please listen to all announcements X 1. easily
7	X 2. generally
	★ 3. hungrily
	√ 4. attentively
	•
Q.16	Select the most appropriate synonym of the given word. Energy
Ans	X 1. Frailty
	X 2. strife
	X 3. Speed X 3. Speed
	✓ 4. Power
Q.17	Select the most appropriate synonym of the underlined word.
A	The detective's job was to discern the truth from the web of lies.
Ans	X 1. Ignore
	X 2. Confuse
	✓ 3. Perceive
	X 4. Fabricate
Q.18	Select the sentence that has a grammatical error.
Ans	X 1. She always eats healthy meals.
	X 2. The sun rises in the east.
	X 4. He works as a software developer.
Q.19	Select the option that correctly rectifies the underlined spelling error. The rainbow only appears after a <u>hurican</u> .
Ans	X 1. hurrecane
	X 2. hurrecain
	X 3. hurrican
	√ 4. hurricane
Q.20	Select the most appropriate option to fill in the blank. Accepting how wonderful you truly are and incorporating this into your attitude and personality is perhaps one of the most difficult things to do in life.
Ans	✓ 1. insight
	X 2. craziness
	★ 3. folly
	X 4. glitch

	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.
	My next pet, Ari, was a pigeon. He became convinced that he was not a bird at all and refused to1 If he wanted to get on a table or a chair, he stood below it, cooing until someone picked him up. He would even try to come2 walks with us. This, however, we had to stop for,3 you carried him on your shoulder or else you let him walk behind. If you let him walk, you had to slow down your own4 to suit his, for should you get too far ahead, you would find him running after you, cooing frantically, his chest pouted out with5
	SubQuestion No : 21
Q.21	Select the most appropriate option to fill in blank number 1.
Ans	√ 1. fly
	X 2. read
	🗙 3. flea
	X 4. file
	A. IIIC
	Comprehension:
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	SubQuestion No : 22
Q.22	Select the most appropriate option to fill in blank number 2.
Ans	★ 1. by
	√ 2. on
	✗ 3. at
	★ 4. in
	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.
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	SubQuestion No : 23
Q.23	Select the most appropriate option to fill in blank number 3.
Ans	X 1. neither
	✓ 2. either
	★ 3. never
	X 4. ever

	Comprehension:
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	SubQuestion No: 24
Q.24	Select the most appropriate option to fill in blank number 4.
Ans	X 1. piece
	X 2. peace
	✓ 3. pace
	X 4. space
	A. Space
	Comprehension:
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	In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. My next pet, Ari, was a pigeon. He became convinced that he was not a bird at all and refused to 1 If he wanted to get on a table or a chair, he stood below it, cooing until someone picked him up. He would even try to come 2 walks with us. This, however, we had to stop for, 3 you carried him on your shoulder or else you let him walk behind. If you let him walk, you had to slow down your own 4 to suit his, for should you get too far ahead, you would find him running after you, cooing frantically, his chest pouted out with 5 SubQuestion No: 25 Select the most appropriate option to fill in blank number 5. \$\times 1\$. indignation
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