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

Exam Date	29/10/2024
Exam Time	4:00 PM - 5:30 PM
Subject	MTS Non Tech Havaldar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

QA retailer offers the following discount schemes for buyers on an article. Which scheme will be least beneficial to the customer?

- i i. A discount of 30%.
- ii. A discount of 22% followed by a discount of 8%.
- iii. Successive discounts of 25% and 5%.

A X 1 Scheme i

- × 2. Scheme ii and scheme iii
- ✓ 3. Scheme ii
- X 4. Scheme iii
- Q.2 In a math exam, two students scored 95, six students scored 90, three students scored 80, and one student scored 50. What was the average score of the class?

Ans

1.85 X 2.82

X 3. 96.25

X 4. 78.75

Q.3 The diameter of a hollow hemisphere is 30 cm. Water is filled in it up to its brim. When spherical lead shots each of radius 0.75 cm are dropped into the hemisphere, two-fifth of the water flows out. How many lead shots were dropped into the hemisphere?

X 1. 1575 Ans

X 2. 2250

3. 1600

X 4. 1380

The following bar graph represents the flow of funds of XYZ India Pvt. Ltd from 2015-2020. Calculate the percentage of average rate (approx.) of the increase in funds from 2015-2017.



Ans

1. 16%

X 2. 15%

X 3.32% X 4. 30%

Q.5 The radii of the bases of two cylinders and their heights are in the ratio 4:3 and 9:8, respectively. Find the ratio of their curved surface areas

Ans

1.3:2

X 2.4:5 X 3.2:3

X 4.5:6

Q.6 A grocer wishes to sell a mixture of two varieties of rice worth ₹48 per kg. In what ratio must he mix the rice to reach this selling price when the cost of one variety of rice is ₹42 per kg and the other is ₹60 per kg?

X 1.1:2

2.2:1

X 3.3:2 X 4.2:3

By selling an article for ₹20, a dealer makes a profit of 10%. By how much should he increase his selling price (in ₹, rounded off to two decimal place) so as to make a profit of 30%?

X 1. 6.64

2. 3.64

X 3. 5.64

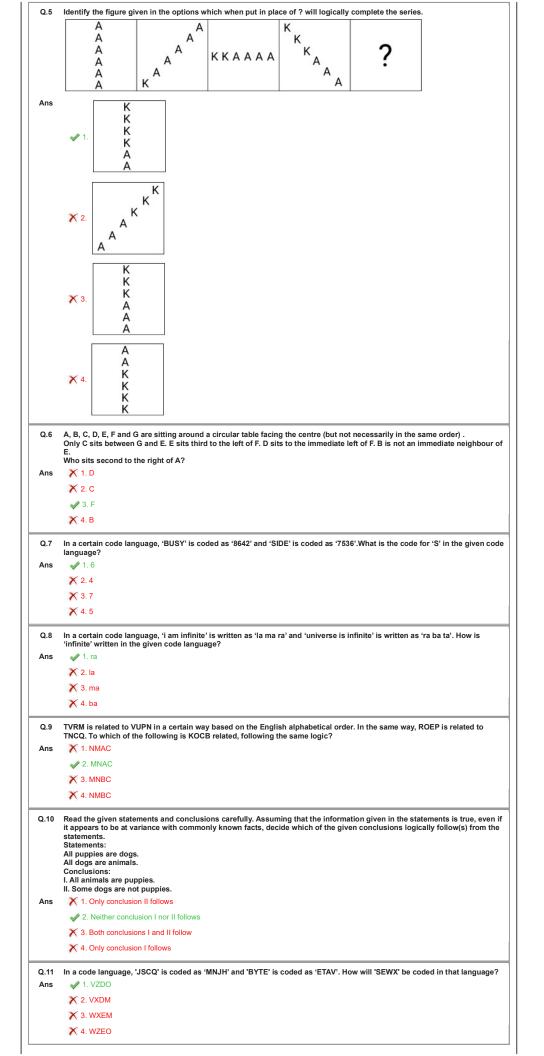
X 4. 4.64

Q.8	In a circular race of 1 km, two persons	x and Y start with the speed of 9 km/h and 18 km/h, respectively, at the same time leet for the first time at the starting point when running in the same direction?
Ans	✓ 1. 400 sec	eet for the first time at the starting point when fullning in the same unection:
	X 2.360 sec	
	X 3. 180 sec	
	X 4. 240 sec	
Q.9		circular path whose circumference is 500 m. Athlete X jogs at a speed of 18 km/h and rections. The time at which they will meet for the first time is:
Ans	√ 1. 66.66 s	rections. The time at which they will meet for the mot time is.
	X 2.50 s	
	X 3. 200 s	
	X 4.27.77 s	
Q.10	The money invested by Gopal at simple principal amount invested by him?	le interest amounts to ₹16,150 in 3 years and to ₹16,540 in 4 years. What was the
Ans	X 1. ₹11,150	
	× 2. ₹16,150	
	X 3. ₹18,150	
	√ 4. ₹14,980	
Q.11	Refer to the following data table and a	nswer the question. The maximum marks for each subject is 100.
	Subjects	Marks Scored
	Math	83
	Science	51
	Hindi	68
	English	62
	Sanskrit	71
	Seven marks are to be deducted from	each subject because of poor attendance. What will be the net average marks scored
	by the student?	, ,
Ans	X 1. 67	
	X 2. 56	
	⋄ 3. 60	
	X 4. 65	
Q.12	What sum (in ₹) will earn a simple inter	rest of ₹240 in 4 years at 16% per year rate of interest?
Ans	✓ 1. 375	
	× 2.500	
	X 3. 800	
	X 4.750	
Q.13	In the first 24 matches, a cricket player	r averages 60 runs. The overall average for all 32 matches is 80. Determine the
	average for the last 8 matches.	
Ans	✓ 1. 140X 2. 110	
	3. 120	
	X 4. 130	
Q.14	A vendor bought candies at ₹5 each. A	At what price must he sell to make 20% profit?
Ans	 1. ₹6.00	
	× 2. ₹5.50	
	× 3. ₹5.75	
	× 4. ₹5.25	
Q.15		cular cylinder is 8580 cm ² . If the height of the cylinder is 15 cm, then find the diameter
	(in cm) of the circular base. (Take π =	= _7)
Ans	✓ 1. 182	
	× 2. 137	
	X 3. 152	
	× 4. 91	
Q.16		n a mixture costing ₹25 per litre. The ratio of the three varieties of oil was 1 : 5 : 2. econd variety if the cost per litre of the first and third varieties was ₹20 and ₹30,
Ans	X 1. 25	
	X 2.28	
	× 3.26	
	√ 4. 24	
0.1-	*	0.000
Q.17 Ans	Find the simple interest (in ₹) on ₹2500 X 1. 240	0 as a sum borrowed at 4% per year rate of interest for 2 years.
7119	- 0	
	·	
	112 0	
	✓ 2. 200✗ 3. 160✗ 4. 140	

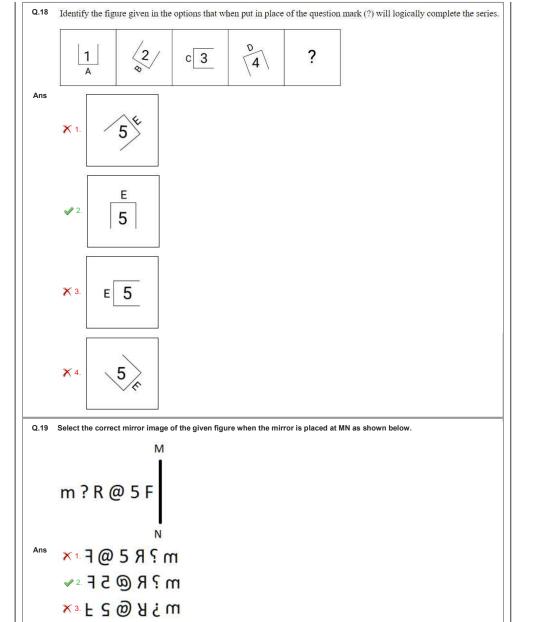
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Q.18 A man's working hours per day were increased by 10% and his wages per hour were increased by 5%. By how much per cent were his daily earnings increased?
   Ans
           X 1. 10.3%
            × 2. 12.2%
            X 3. 5%

√ 4. 15.5%

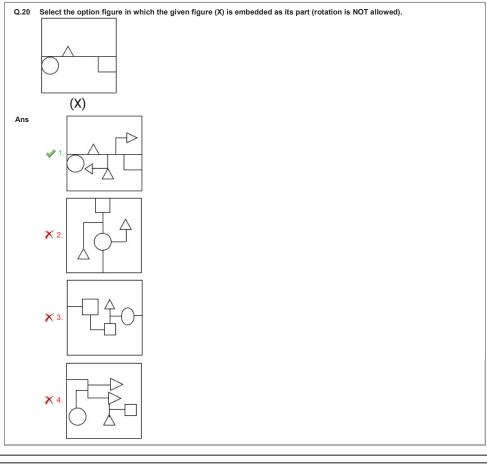
QIf P (P > 0) is the least possible number that must be subtracted from 7, 9, and 12 so that the resulting numbers are in continued propo
   1. 10
   X 2. 12
   X 3. 3
   X 4.8
           Find the HCF of 2^3 \times 3^3 \times 5^2 \times 7^2, 2^4 \times 3^2 \times 5^3 \times 7^2 and 3 \times 5 \times 7 \times 11.
           X 1. 1260
            X 2. 360
             3. 105
            X 4. 1155
   Q.1 What should come in place of the question mark (?) in the given series?
          46, 44, 40, 38, 34, 32, ?
           X 1.26
             2. 28
            X 3.30
            X 4.24
   Q.2 In a code language, 'ZHBN' is coded as 'BEFI' and 'LFWJ' is coded as 'NCAE'. How will 'HVDK' be coded in that language?
   Ans
           X 1. KSIF
            X 2. KTJD
             X 4. JTHD
          VOAH is related to YPBK in a certain way based on the English alphabetical order. In the same way, RGDS is related to UHEV. To which of the following is IBXC related, following the same logic?
   Ans
           X 1. MDYG
            X 2. NEZF
             X 4. KCZD
          Six employees Dhiraj, Roshan, Satish, Pawan, Tarun and Niraj are sitting around a circular table, facing the centre (but not necessarily in the same order). Satish is sitting to the immediate right of Pawan. Niraj is sitting second to the left of Satish. Tarun is sitting to the immediate left of Niraj. Only Tarun is sitting between Niraj and Roshan. Who is sitting between Satish
           and Roshan?
   Ans
           X 1. Pawan
            X 2. Niraj
             3. Dhiraj
            X 4. Tarun
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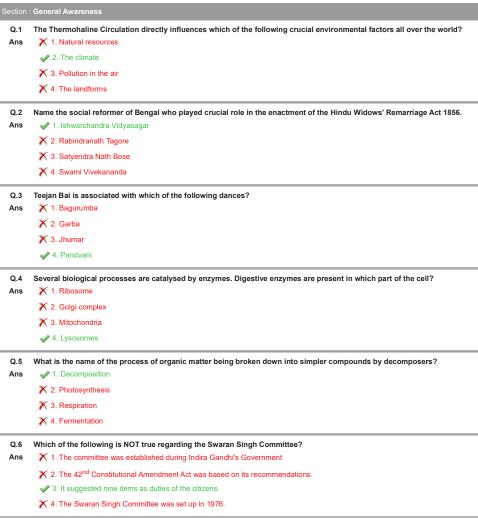


Q.12	10 is related to 6 following a certain logic. Following the same logic, 14 is related to 8. To which of the following is 24 related following the same logic?(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting/multiplying etc. to 13can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
Ans	× 1.16
7.1.0	X 2.15
	X 3.11
	◆ 4.13
Q.13	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: Some mugs are cups. No paper is a mug.
	Conclusions: (I) Some cups are mugs. (II) No paper is a cup.
Ans	1. Both conclusions (I) and (II) follow
	X 2. Only conclusion (II) follows
	X 3. Neither conclusion (I) nor (II) follows
	✓ 4. Only conclusion (I) follows
Q.14	Select the set in which the numbers are related in the same way as are the numbers of the given sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
	(38, 31, 47)
Ans	(42, 35, 51) × 1. (33, 24, 30)
Alla	X 2. (29, 21, 39)
	2. (29, 21, 39) 3. (54, 47, 63)
	★ 4. (46, 40, 49)
Q.15	What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '+' are interchanged?
	24 × 12 – 5 ÷ 2 + 7 = ?
Ans	X 1.3
	X 2.8
	⋄ 3.5
	★ 4.7
Q.16	Which of the following interchanges of signs would make the given equation correct?
Q.10	25 - 63 ÷ 3 + 7 × 5 = 11
Ans	X 1. − and ×
	X 2. + and ÷
	√ 3. + and -
	X 4. ÷ and −
Q.17	What should come in place of the question mark (?) in the given series based on the English alphabetical order?
	DEF, JKL, PQR, VWX, ?
Ans	X 1. YZB
	X 2. UWZ
	X 3. ZBE
	◆ 4. BCD



w?R@57.xx





Q.7	Chip, Condor, Duff and Driver are some of the terms used in
Ans	X 1. Horse Polo
	√ 2. Golf
	X 3. Chess
	X 4. Swimming
Q.8	Which ruler succeeded Chandragupta Maurya in 297 BCE?
Ans	X 1. Kumaragupta
	✓ 2. Bindusara
	X 3. Ashoka
	X 4. Kanishka
0.0	According to the Census of India 2011, which state has the highest sex ratio?
Q.9 Ans	1. Andhra Pradesh
Alla	
	X 2. Karnataka
	X 3. Tamil Nadu
Q.10	In 2023, the Government of India proposed 'Amrit Dharohar Scheme' to be implemented over the next_encourage optimal use of wetlands and enhance bio-diversity, carbon stock, eco-tourism opportunities and incongeneration for local communities.
Ans	X 1. Seven Years
	X 2. Two Years
	X 4. Five Years
	(*) · · · · · · · · · · · · · · · · · · ·
Q.11	In which of the following books has the author described the horrors of the holocaust and the Second World War?
Ans	1. The Diary of a young girl
	X 2. I know why the caged bird sings
	X 3. Dreams from my father
	X 4. Long walk to freedom
Q.12 Ans	Who among the following received the Sangeet Natak Akademi Amrit Award 2022 for Kuchipudi dance? 1. Kumkum Lal
	X 2. Makhan Chandra Borah
	X 3. Charan Girdhar Chand
	√ 4. Smita Rajeshbhai Shastri
	V
Q.13	Among the following Para athletes, which athlete is associated with the High Jump event?
Ans	X 1. Avani Lekhara
	X 2. Deepa Malik
	X 3. Ajeet Singh Yadav
	√ 4. Mariyappan Thangavelu
	•
Q.14	M Balamuralikrishna was awarded Padma Vibhushan in 1991 for which of the following fields?
Ans	X 1. Hindustani music
	X 2. Jazz music
	🗙 4. Folk music
Q.15	The Union Territory of Puducherry is located in which of the following river basins?
Ans	1. Yamuna
	√ 2. Kaveri
	X 3. Mahanadi
	🗙 4. Karishna
Q.16	0.25 g of an organic compound gave 0.13 g of water after complete combustion. The percentage composition of hydrogen
Q.16 Ans	▼ 1.11.11%
	★ 1. 11.11%★ 2. 52.00%
	▼ 1.11.11%
	★ 1. 11.11%★ 2. 52.00%
Ans	 X 1. 11.11% X 2. 52.00% ✓ 3. 5.78% X 4. 4.58%
Ans	★ 1. 11.11%★ 2. 52.00%◆ 3. 5.78%
Q.17	 X 1. 11.11% X 2. 52.00% ✓ 3. 5.78% X 4. 4.58% Which house is considered as lower house in State Legislature? X 1. Vidhan Parishad
Ans	X 1. 11.11% X 2. 52.00% ✓ 3. 5.78% X 4. 4.58% Which house is considered as lower house in State Legislature? X 1. Vidhan Parishad X 2. Lok Sabha
Ans	X 1. 11.11% X 2. 52.00% ✓ 3. 5.78% X 4. 4.58% Which house is considered as lower house in State Legislature? X 1. Vidhan Parishad X 2. Lok Sabha X 3. Rajya Sabha
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Q.17 Ans	X 1. 11.11% X 2. 52.00% ✓ 3. 5.78% X 4. 4.58% Which house is considered as lower house in State Legislature? X 1. Vidhan Parishad X 2. Lok Sabha X 3. Rajya Sabha ✓ 4. Vidhan Sabha Who built an elegant two-storey 'ship palace' between two reservoirs named Jahaaz Mahal?
Q.17 Ans	X 2. 52.00% ✓ 3. 5.78% X 4. 4.58% Which house is considered as lower house in State Legislature? X 1. Vidhan Parishad X 2. Lok Sabha X 3. Rajya Sabha ✓ 4. Vidhan Sabha Who built an elegant two-storey 'ship palace' between two reservoirs named Jahaaz Mahal? X 1. Sultan Muhammad Bin Tughlaq

Q.19	Who among the following was the Sultan of Delhi when Bahmani kingdom was founded in 1347 CE?
Ans	X 1. Mubarak Shah Khalji
	X 2. Bahlul Lodi
	X 3. Ghiyasuddin Tughlaq
Q.20	According to Census of India 2011, in which of the following Union Territories was the sex ratio recorded at 1037 females per 1000 males?
Ans	1. Andaman and Nicobar Islands
	√ 2. Puducherry
	X 3. Chandigarh
	X 4. Lakshadweep
Q.21	In which of the following cities of India was the first successful textile mill established?
Ans	√ 1. Mumbai
	X 2. Chennai
	X 3. Ludhiana
	X 4. Kolkata
Q.22	Which of the following Acts was provided for the establishment of a federal court in India?
Ans	X 1. The Regulating Act of 1773
	✓ 2. The Government of India Act of 1935
	X 3. The Indian Councils Act of 1909
	X 4. The Government of India Act of 1919
Q.23	Which of the following is NOT included in the national income?
Ans	✓ 1. Income received by a person as a donation
	X 2. Income received by a household for the use of their entrepreneurial skill
	X 3. Income received by a person for the use of his capital
	X 4. Income received by a household for the use of their land
Q.24 Ans	Jon Beel mela is held every year in which of the following states? X 1. Haryana
	X 2. Arunachal Pradesh
	X 4. Telangana
Q.25 Ans	Proposed in 2023-24, which section of the Income Tax Act of 1961 exempts senior citizens aged 75 years and above from filing income tax returns? X 1. Section 139A
Alls	X 2. Section 234C
	X 3. Section 80c ✓ 4. Section 194P
	4. Section 194F
ection	: English Language and Comprehension
Q.1	Select the most appropriate synonym of the given word. Ephemeral
Ans	X 1. persistent
	✓ 2. Fleeting
	X 3. Durable
	X 4. Permanent
0.0	Colored the second consequence of the colored to Ellis of the blank
Q.2 Ans	Select the most appropriate option to fill in the blank. The arrangements of the little boy's birthday party were nice. We could not help but appreciate it. X 1. little
	🗙 2. many
	X 4. few
Q.3	Rectify the sentence by selecting the correct spelling from the options. Despite his busy scheuduel, Rohit managed to complete the assignment on time.
Ans	√ 1. schedule
	X 2. scedhule
	X 3. scheudul
	X 4. schedeule
Q.4	Select the option that can be used as a one-word substitute for the given group of words.
	The method and practice of teaching
Ans	◆ 1. Pedagogy
	X 2. Objective
	X 3. Strategy
	X 4. Learning

Q.5	Select the most appropriate set of words to fill the blanks.
	I was trying to a pen to sign a form as my brother had been Rupees 500 for breaking the traffic
Ans	rules. X 1. fined; find
	✓ 2. find; fined
	X 3. fined; fined
	X 4. find; find
Q.6	Salest the most appropriate option that can substitute the underlined comment in the given contages
Q.b	Select the most appropriate option that can substitute the underlined segment in the given sentence.
Ans	This is the <u>old</u> tree in the colony. 1. oldest
	× 2. older
	X 3. most old
	X 4. elder
Q.7	Select the INCORRECTLY spelt word
Ans	1. Occurrence
	✓ 2. Manoevre
	X 3. Consistent X 3. Consistent
	X 4. Embarrassment
Q.8	Select the appropriate option that can substitute the underlined word in the following sentence to make it grammatically
·	correct.
	This novel is more interesting of all in the library.
Ans	X 1. most interesting
	X 2. the more interesting
	3. the most interesting
	X 4. interesting
Q.9	In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative.
	The house seemed much <u>far</u> than she expected.
Ans	X 1. farthest
	2. farther
	X 3. farer
	X 4. more far
Q.10	Identify the ANTONYM of the word in brackets. The athlete's (languid) performance disappointed the fans as well as coaches.
Ans	1. Relaxed
	X 2. Listless
	X 4. Lethargic
0 11	Correct the underlined part of the sentence.
Q.II	They have a few juice in the jar.
Ans	1. least
	X 2. lesser
	X 4. fewer
Q.12	Select the most appropriate meaning of the idiom from the options given below.
	A square peg in a round hole
Ans	X 1. a person who is criminal by nature
	X 2. a person who fits the job
	★ 3. a person who is bankrupt ✓ 4. a person who does not fit the job
	The potential area and the fire for
Q.13	Select the option that can be used as one-word substitute for the given group of words
	A policy that separates people on the basis of race
Ans	X 1. Apostasy
	2. Apartheid
	X 3. Apostle X 4. Apiary
	V 4. What A
Q.14	Select the most appropriate ANTONYM of the underlined word in the given sentence.
	Abhay's <u>humility</u> towards the poor and needy people of his locality is really admirable.
Ans	√ 1. Arrogance 1. Arrogance 2. Arrogance 3. Arrogance 4. Arrogance 4. Arrogance 5. Arrogance 6. Arrogance 7. Arrogance 7. Arrogance 8. Arrogance 9. Arroga
	X 2. Amicability
	X 3. Sincerity
	X 4. Modesty

Q.15	Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.
	While I was teaching the elder one, the younger one take an opportunity and ran away.
Ans	1. the younger one took an opportunity and ran away
	X 2. the younger one will take an opportunity and ran away
	X 3. the younger one has taken an opportunity and ran away X 4. No substitution
	N 4.110 00000000000
Q.16	Select the most appropriate meaning of the given phrase. Feel the pinch
Ans	★ 1. Give pain
	X 2. Raise quality
	→ 3. Experience hardship → 1. Experience hardship → 1. Experience hardship → 2. Experience hardship → 3. Experience hardship → 3. Experience hardship → 4. Experience hardship → 5. Experience hardship → 5. Experience hardship → 5. Experience hardship → 6. Experience hardship → 7. Experience hardship → 8. Experience hardship → 9. Experien
	X 4. Demand something
Q.17	Select the most appropriate option that can substitute the underlined words in the given sentence.
	Raman is as <u>worse</u> as Raju in solving mathematical problems.
Ans	✓ 1. bad✓ 2. worst
	X 3. worsen
	★ 4. best
Q.18	Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.
Q.10	The town, where Haruki lived, stood in imminent danger of tidal waves.
Ans	1. prominent
	X 2. eminent
	X 4. immaculate
Q.19	Select the most appropriate option that can substitute the underlined segment in the given sentence.
	This is the <u>cheap</u> saree in my collection.
Ans	X 1. most cheapest
	X 4. cheaper
Q.20	Select the INCORRECTLY spelt word.
Ans	X 1. Detrimental
	X 2. Regimental
	X 4. Transcendental
	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 lived in a town in Russia a bootmaker named Martin. He lived in a small room, half sunk1 the level of the street,
	with one window which 2 on the street. He had lived in the same room for many years and knew many people. There was 3 a pair of boots in the town and in the country for many miles 4 that had not once or twice passed
	5his hands. SubQuestion No : 21
Q.21	Select the most appropriate option to fill in blank number 1.
Ans	X 1. beyond
	X 2. inside
	✓ 3. below ✓ 4. amidst
	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 lived in a town in Russia a bootmaker named Martin. He lived in a small room, half sunk
1	SubQuestion No : 22
	SubQuestion No: 22
Q.22	Select the most appropriate option to fill in blank number 2.
Q.22 Ans	Select the most appropriate option to fill in blank number 2. 1. opened
	Select the most appropriate option to fill in blank number 2.

	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 lived in a town in Russia a bootmaker named Martin. He lived in a small room, half sunk 1 the level of the street,
	with one window which2 on the street. He had lived in the same room for many years and knew many people. There
	was3 a pair of boots in the town and in the country for many miles4 that had not once or twice passed
	5his hands.
	SubQuestion No: 23
Q.23	Select the most appropriate option to fill in blank number 3.
Ans	↑ 1. hardly
71110	
	X 2. besides
	X 3. always
	× 4 mm
	X 4. now
	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 lived in a town in Russia a bootmaker named Martin. He lived in a small room, half sunk 1 the level of the street,
	with one window which on the street. He had lived in the same room for many years and knew many people. There
	was3 a pair of boots in the town and in the country for many miles4 that had not once or twice passed
	5 his hands.
	SubQuestion No : 24
Q.24	Select the most appropriate option to fill in blank number 4.
Ans	X 1. round
	◆ 2. around
	X 3. below
	X 4. above
	, additional and a second a second and a second a second and a second a second and a second and a second and a second a second a second a second and a second a second and a second and a second and a s
	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.
	COOK STATISTIC
	There lived in a town in Russia a bootmaker named Martin. He lived in a small room, half sunk1 the level of the street,
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	was3 a pair of boots in the town and in the country for many miles4 that had not once or twice passed 5 his hands.
	iis hairds.
	SubQuestion No: 25
Q.25	Select the most appropriate option to fill in blank number 5.
Ans	★ 1. off
	✗ 3. at
	★ 4. in