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

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	Exam Date	07/10/2024
	Exam Time	4:00 PM - 5:30 PM
	Subject	MTS Non Tech Havaldar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 4% per year rate of interest for 3 years.

Ans X 1. 300

× 2. 320

3. 360

X 4. 400

Area of the base of a right circular cone is 308 cm² and its height is $7\sqrt{2}$ cm. Find its curved surface area (in cm²). (Use $\pi = \frac{22}{7}$)

Ans

X 1. 308√3

× 2. 320√3

✓ 3. 308√2

× 4. 325√5

Q.3 The price of 24 movie tickets is ₹768. How much (in ₹) will 32 movie tickets cost? [Assume that all tickets here are equally priced]

Ans X 1. 1040

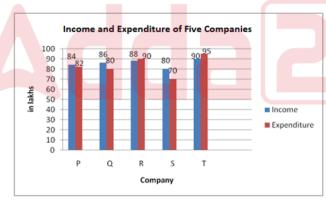
X 2. 1056

X 3. 992

4. 1024

(The following bar chart shows the income and expenditure (in lakhs) of five companies (P, Q, R, S, T) in the year 2020. The percentage profit or loss of a company is given by:

(Profit or loss) % = $\frac{I-E}{E} \times 100$; where I= income, E= expenditure



If the income of company R in 2020 was 10% more than its income in 2019 and the company had earned a profit of 30% in 2019, then its approximate expenditure in 2019 (in lakhs) was:

Ans

✓ 1. ₹61.54

X 2. ₹51.23

🗙 3. ₹58.37

X 4. ₹63.14

Q.5 A man spends 12% of his income on food, 18% on children's education, and 70% of the remaining on house rent. What percentage of his income is he left with?

Ans 1.21%

× 2. 30%

X 3. 20%

X 4. 28%

Q.6 A man bought a bullock and a cart for ₹10,000. He sold the bullock at a gain of 30% and the cart at a loss of gaining 2% on the whole. Find the cost of the bullock.				rt at a loss of 20%, thereby
Ans	X 1. ₹5,600			
	√ 2. ₹4,400			
	X 3. ₹5,400			
	X 4. ₹4,600			
Q.7	The below table shows the population that fall and the shows the population that the shows the show	ılation of men and women (in r	ratio) for five cities. Study the be	low table carefully and answe
	City	Population	Men : Women	
	Kanpur	4500	5:4	
	Bangalore	1547	4:3	
	Pune	1818	5:1	
	Mumbai	1547	3:4	
	Jabalpur	1089	4:5	
Ans	What is the difference between t and Bangalore together? 1. 760	the total number of men of Mu	mbai and Pune together and nur	nber of women in Jabalpur
	× 2.747			
	X 3. 572			
	4 . 910			
Q.8 Ans	The mean of the first 8 odd nature 1.8 × 2.7	ral numbers is:		
	★ 3. 6			
	★ 4. 5			
Q.9	A dishonest shopkeeper promis		ce. However, he uses a weight t	hat actually weighs 49% less
Ans	than what is written on it. Find h 1. $96\frac{4}{51}\%$	is profit percentage.		
	× 2. 98 $\frac{8}{51}$ %			
	\times 3. 97 $\frac{5}{51}$ %			
	× 4. 95 4/51 %			
2.10	The average weight of a family o	of five members (in kg) whose	weights are 40 kg, 49 kg, 56 kg,	66 kg and 37 kg is:
Ans	X 1. 51.6			
	2 . 49.6			
	3. 48.6			
	X 4. 50.6			
	A			
Q.11	A man covers the first half of the average speed (in km/h)?	e journey at the speed of 60 km	n/h and the remaining at the spe	ed of 84 km/h. What is his
Ans	1 .70			
	× 2. 60			
	X 3. 65			
	X 4.75			
2.42	Find the simple interest (in 3) and	#2500 as a sum barrawad at	20/	
Q.12 Ans	Find the simple interest (in ₹) on 1.210	1 3500 as a suill bollowed at	5% per year rate of interest for 2	years.
	× 2. 150			
	X 3. 250			
	X 4. 170			
Q.13	A water well has height the well is ₹1,36,125 at			
	well. $(\pi = \frac{22}{7})$, .,.	<i>5</i>	
Α	,			
Ans	✓ 1. 2.25 m			
	X 2. 5.5 m			
	🗶 3. 7.5 m			
	X 4. 4.5 m			
Q.14	A person has to cover a distance	e of 8 km in 1 hour. If he cover	s one-fourth of the distance in o	ne-third of the total time, then
	what should his speed (in km/h)			
Ans	destination exactly on time? 1. 6			
7115	•			
	★ 2. 8			
	✓ 3. 9			
	X 4. 7			

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Q.15 A closed cylindrical tank of height 280 cm and base radius 70 cm is to be made from a metal sheet. The required sheet for
          the same, in m2, is:
           1. 15.4
  Ans
           X 2. 14.4
           X 3. 13.8
           X 4. 12.8
  Q.16 2 kg of copper at ₹15 per kg is mixed with 3 kg of zinc at ₹20 per kg. Find the average price of the mixture.
  Ans
          X 1. ₹18.5
           √ 2. ₹18
           🗶 3. ₹17
           X 4, ₹17.5
  Q.17 Find the greatest number that exactly divides 12, 24 and 40.
          X 1. 3
           X 2. 40
            3.4
           X 4. 2
  Q.18 How many kilograms of tea, costing ₹250 per kg must be mixed with 25 kg of tea costing ₹400 per kg so that there may be a profit of 10% on selling the mixture at ₹330 per kg?
           X 1. 45 kg
           X 2, 40 kg
           X 3. 60 kg

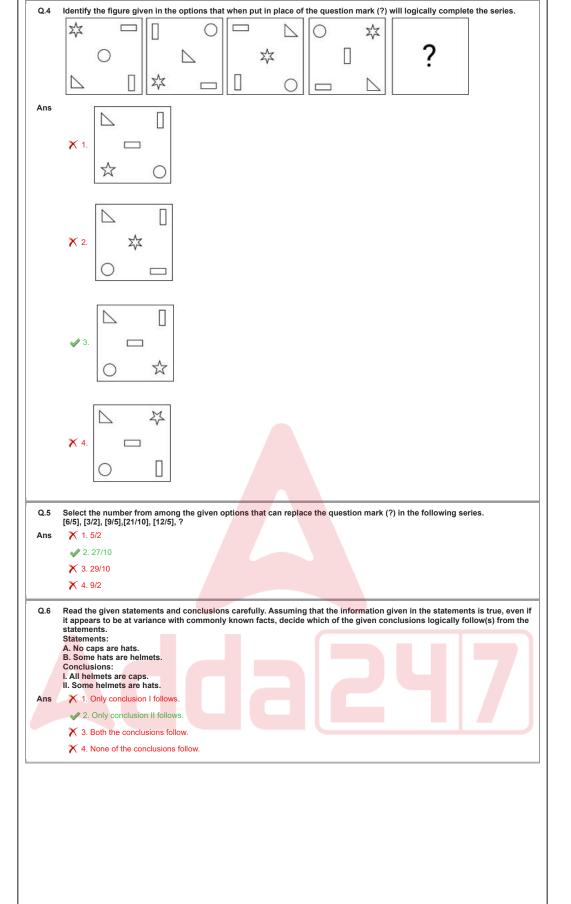
√ 4. 50 kg

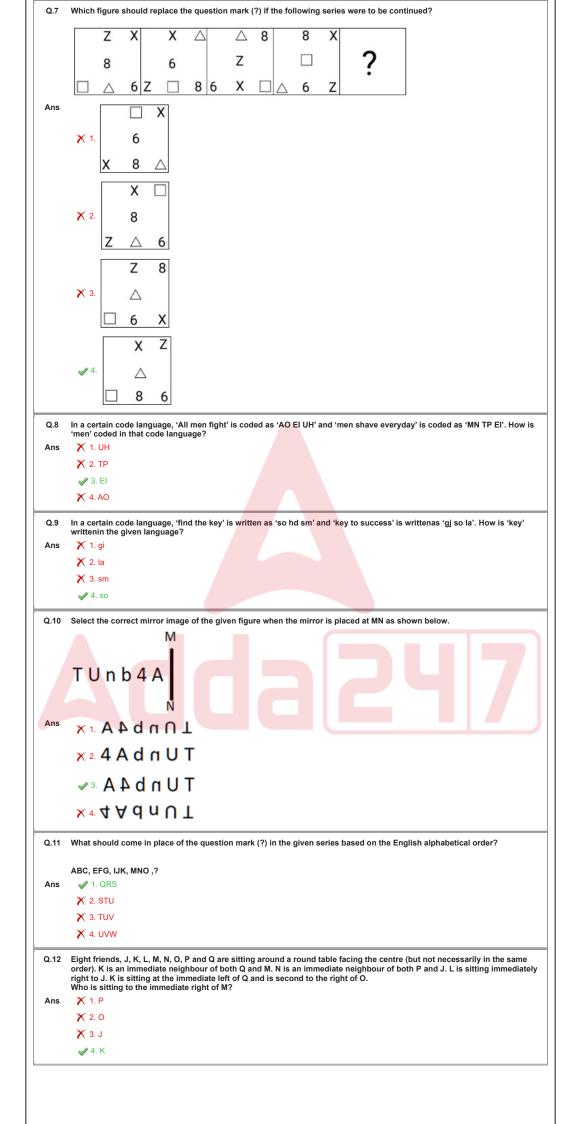
         In view of Diwali, Rajnee, an electronics shop owner, offers a discount scheme to her customers that on buying 15 decorative bulbs, they get 5 decorative bulbs free. What is the effective percentage discount given by Rajnee to her
   Ans
            1. 25%
           X 2. 33%
           X 3. 30%
           X 4. 20%
QA person borrows ₹18,000 for 4 years at 1<mark>0% per annum s</mark>imple interest. He lends it to another person at 15% per annum for 3 year
   X 1.900
   X 2.450
   X 3.375
    4.225
  ection : Reasoning Ability and Problem Solving
         In the following number-pairs, the second number is obtained by applying certain mathematical operations to the
   Q.1
          first number. Select the set in which the numbers are related in the same way as are the numbers of the following
          (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.)
          27, 109
          X 1. 35, 144
   Ans
            2. 36, 145
           X 3. 35, 145
           X 4. 36, 144
   Q.2 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '+'
          2 \div 70 \times 2 - 30 + 30 = ?
   Ans
           X 1.69
           X 2. 68
            3. 70
           X 4, 66
         HPML is related to MURQ in a certain way based on the English alphabetical order. In the same way, CJGF is related to HOLK. To which of the following is RZWV related, following the same logic?

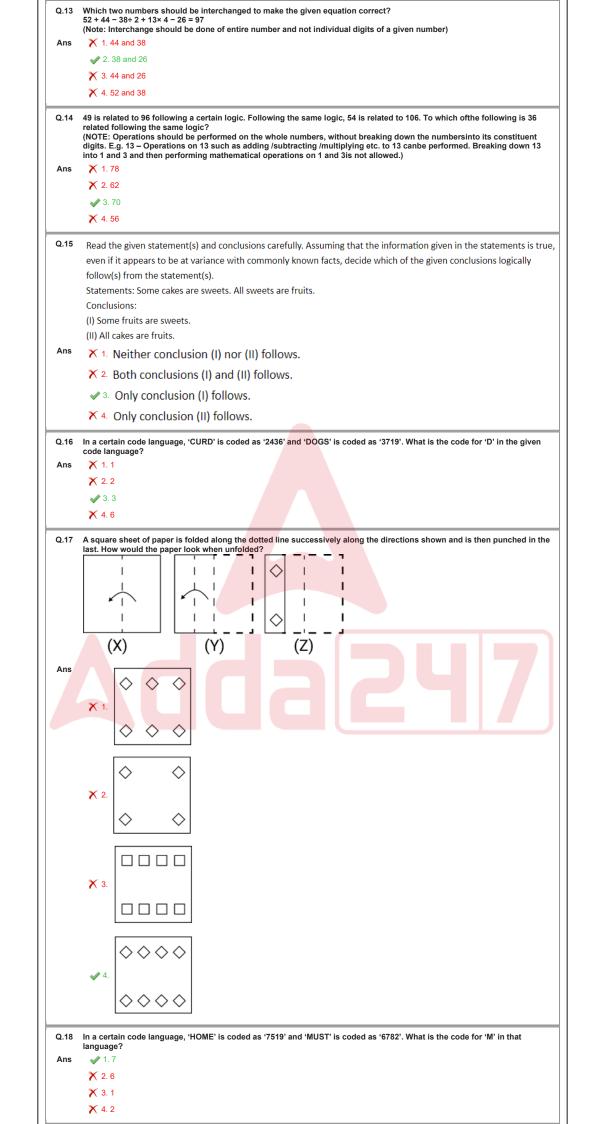
✓ 1. WEBA

  Ans
           🗶 2. ABWE
           X 3. ABEW
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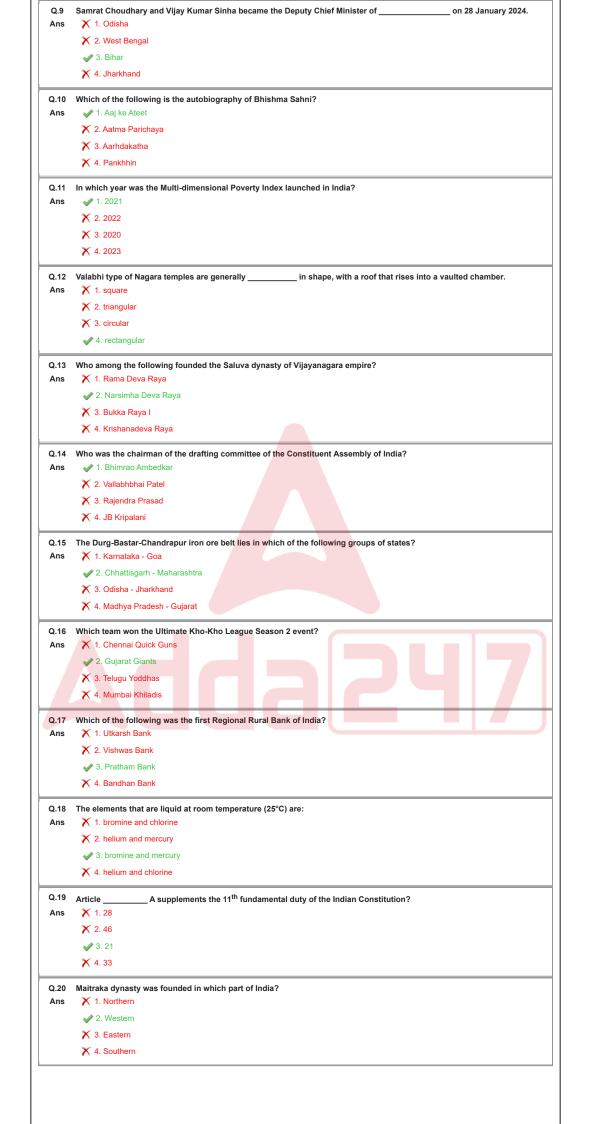
X 4. WEAB

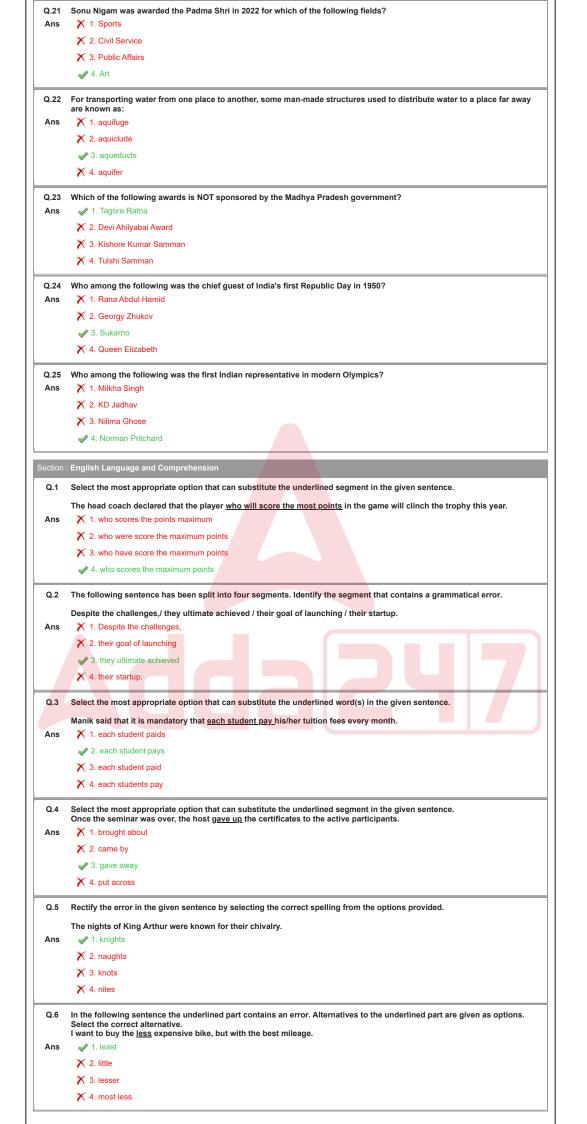






Q.19	A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). C sits second to the left of E, who is third to the left of A. G sits third to the right of B, who is not an immediate neighbour of F. D sits second to the right of B.			
	How many people sit between D and A when counted from the left of D?			
Ans	X 1. One X 2. Two			
	X 3. Three			
	✓ 4. Four			
	V 60.			
Q.20	NGMI is related to LEKG in a certain way based on the English alphabetical order. In the same way, QJPL is related to OHNJ. To which of the following is TMSO related following the same logic?			
Ans	X 1. KRMQ			
	X 2. KEQM			
	X 3. RKMQ			
	√ 4. RKQM			
Section	Constal Augranosa			
	ection: General Awareness			
Q.1	According to Labour and Employment Statistics 2022, match the states in the first column with their rate of unemployment in the year 2020-21 given in the second column.			
	i) Kerala a) 6.3%			
	ii) Goa b) 10.1% iii) Haryana c) 6.9%			
	iv) Uttarakhand d) 10.5%			
Ans	X 1. i) a, ii) c, iii) d, iv) b			
	X 2. i) d, ii) b, iii) c, iv) a			
	★ 3. i) d, ii) c, iii) b, iv) a			
	√ 4. i) b, ii) d, iii) a, iv) c			
Q.2	Which of the following dance forms is primarily associated with Eastern India states like Odisha,			
	Jharkhand and West Bengal?			
Ans	X 1. Bharatanatyam			
	X 2. Kuchipudi			
	X 4. Kathak			
Q.3	Which Articles of the Constitution of India provide for a parliamentary form of government at the Centre?			
Ans	✓ 1. Articles 74 and 75			
	★ 2. Articles 71 and 72			
	★ 3. Articles 79 and 80			
	★ 4. Articles 76 and 77			
Q.4	Which of the following crops is grown in the Kharif season in India?			
Ans	X 1. Mustard			
	X 2. cucumber			
	✓ 3. Soyabean ✓ 4. Reduce ✓ 1. Reduce ✓ 1. Reduce ✓ 2. Reduce ✓ 3. Soyabean			
	X 4. Barley			
Q.5	What was the percentage increase in the disbursal of 'Pradhan Mantri Mudra Yojana' (PMMY) loans in the first quarter of FY 2023-24 compared to the same quarter in the previous year, if the disbursal reached ₹81,597 crore, up from ₹62,650 crore?			
Ans	✓ 1. 23%			
	X 2. 27%			
	※ 3.15%			
	★ 4. 20%			
Q.6	In which of the following years was the 'Quit India Movement' launched?			
Ans	√ 1. 1942			
	※ 2. 1935			
	X 3. 1920			
	X 4. 1919			
Q.7	A person having stunted growth and discoloured hair is most probably suffering from			
Ans	✓ 1. Protein Deficiency			
	★ 2. Lipid Deficiency			
	X 3. Glucose Deficiency			
	X 4. Vitamin A Deficiency			
Q.8	In the case of reptiles, their heart is not properly divided in to four chambers i.e., it consists of two auricles and an			
Ans	incompletely divided ventricle. Which of the following is an example of a reptile having a four-chambered heart? X 1. Snake			
	X 2. Turtles			
	✓ 3. Crocodile			
	X 4. Lizard			





Q.7	Select the most appropriate option to fill in the blank.
	The teacher asked us to the main idea of the passage in the exam.
Ans	X 1. conclusion
	✓ 2. summarise
	X 3. underestimate
	X 4. plagiarise
Q.8	The following sentence has been split into four parts. Identify the part that contains a grammatical error.
	The youngest employees/ are chosen by the/ organisation to/ manage the fieldwork.
Ans	↑ 1. The youngest employees
	X 2. organisation to
	X 3. manage the fieldwork.
	X 4. are chosen by the
Q.9	Select the most appropriate option that can substitute the underlined segment in the given sentence. The most effective way to enhance your vocabulary is to look to unknown words in a dictionary.
Ans	√ 1. look up
	★ 2. write off
	X 3. set by
	X 4. stand against
Q.10	The following sentence has been divided into four segments. Identify the segment that has a grammatical error.
Ans	The thieves had no alternative / but to acquiesce with / the orders of / the police. 1. the police.
	× 2. The thieves had no alternative
	✓ 3. but to acquiesce with
	★ 4. the orders of
0.44	Identify the INCORPECTIVe polit word in the given contenes
Q.11	Identify the INCORRECTLY spelt word in the given sentence. The microscopic chip that emits a uniqe signal has been embedded into your arm.
Ans	X 1. embedded
	2. uniqe
	X 1 microscopie
	X 4. microscopic
Q.12	Select the most appropriate synonym of the given word. Benevolent
Ans	★ 1. Enthusiastic
	✓ 2. Kind
	X 3. Mysterious
	X 4. Hostile
Q.13	Select the most appropriate synonym of the given word. Careful
Ans	✓ 1. Cautious
	🗶 2, Corrupt
	★ 3. Captivating
	★ 4. Corrosive
Q.14	Select the most appropriate option to fill in the blank.
Ans	Poonam used a rubber band to keep the pencils together. 'Band' here means 1. a thin ring of rubber used for holding things together
	× 2. a long rigid piece of wood or metal
	X 3. a tube filled with water
	X 4. a range of values or frequencies within a series
Q.15	Select the INCORRECTLY spelt word.
Q.15 Ans	1. Altogether
	X 2. Always
	🗙 3. Until
	√ 4. Fulfeel
Q.16	Select the most appropriate ANTONYM of the highlighted word.
	The partners ended up being traitorous to each other.
Ans	√ 1. Faithful
	X 2. Proficient
	X 3. Disloyal
	X 4. Fickle
Q.17	Select the option that can be used as a one-word substitute for the given group of words. A person who rules with absolute power and authority.
Ans	A person who rules with absolute power and authority 1. Senator
	★ 2. Ruler
	X 4. Sovereign

Q.18	Select the appropriate option that can substitute the underlined idiom in the given sentence.
	The entire audience was all ears when the Indian-born American economist started giving a speech.
Ans	X 1. was eager to speak plainly
	X 2. was willing to exit the show
	X 3. was arguing in favour of both sides
Q.19	Select the most appropriate ANTONYM of the underlined word in the given sentence. He is known for his humility.
Ans	√ 1. Pride
	X 2. Knowledge
	X 3. Beauty
	X 4. Agility
	A 4. Agmity
Q.20	Select the most appropriate idiom that can substitute the underlined segment in the given sentence.
	Bheem has been shown in the popular culture as someone who eats in large quantity.
Ans	X 1. eat humble pie
	✓ 2. eats like a horse
	X 3. eat like a bird
	X 4. chews the fat
	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.
	Three big fat rats once found a new use for1 tails. During the night, they came2 into the larder and found a
	jar with freacle in it. But the jar had a3neck, and try as they might, the rats could not reach the treacle either with their mouths or their paws. At last, a bright idea4 one of them. He climbed onto the jar and let his tail hang down into the
	treacle. Then he pulled it out nicely coated with treacle and allowed the two rats to lick it5
	SubQuestion No : 21
Q.21	Select the most appropriate option to fill in blank number 1.
Ans	X 1. the
	X 2. it's
	✓ 3. their
	X 4. there
	(4. more
	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.
	Three big fat rats once found a new use for1 tails. During the night, they came2 into the larder and found a
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	treacle. Then he pulled it out nicely coated with treacle and allowed the two rats to lick it5
	SubQuestion No : 22
Q.22	Select the most appropriate option to fill in blank number 2.
Ans	X 1. dreaming
	X 2. acting
	X 3. yelling
	✓ 4. creeping
	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.
	Three big fat rats once found a new use for 1 tails. During the night, they came 2 into the larder and found a
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	mouths or their paws. At last, a bright idea4 one of them. He climbed onto the jar and let his tail hang down into the treacle. Then he pulled it out nicely coated with treacle and allowed the two rats to lick it5
Q.23	SubQuestion No : 23 Select the most appropriate option to fill in blank number 3.
Ans	✓ 1. narrow
70	X 2. funny
	X 3. obese
	X 4. slow
	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.
	Three big fat rats once found a new use for1 tails. During the night, they came 2 into the larder and found a
	jar with treacle in it. But the jar had a3 neck, and try as they might, the rats could not reach the treacle either with their
	mouths or their paws. At last, a bright idea4 one of them. He climbed onto the jar and let his tail hang down into the treacle. Then he pulled it out nicely coated with treacle and allowed the two rats to lick it5
	SubQuestion No : 24
Q.24	Select the most appropriate option to fill in blank number 4.
Ans	X 1. flew
	X 2. went
	✓ 3. struck
	· ·
	X 4. stood

	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.
	Three big fat rats once found a new use for1tails. During the night, they came2into the larder and found a jar with treacle in it. But the jar had a3neck, and try as they might, the rats could not reach the treacle either with their mouths or their paws. At last, a bright idea4 one of them. He climbed onto the jar and let his tail hang down into the treacle. Then he pulled it out nicely coated with treacle and allowed the two rats to lick it5
	SubQuestion No : 25
Q.25	Select the most appropriate option to fill in blank number 5.
Ans	X 1. at
	X 2. by
	※ 3. in
	✓ 4. off

