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

Exam Date	21/10/2024
Exam Time	12:30 PM - 2:30 PM
Subject	MTS Non Tech Havaldar CBIC and CBN Examination 2024

Section: Numerical and Mathematical Ability

Q.1 A total of 24 men working 7 hours a day can complete a task in 10 days. In how many days will 21 men working9 hours a day complete the same task?

Ans

$$\times 1.7\frac{7}{8}$$
 days

$$\times 2.9 \frac{9}{10}$$
 days

$$\times$$
 3.6 $\frac{6}{7}$ days

$$4.8\frac{8}{9}$$
 days

Q.2

The total surface area of a right circular cylinder is $628\frac{4}{7}$ cm². If its radius is 4 cm, then the height (rounded off to the nearest whole number) of cylinder is equal to:

$$\left(\mathsf{Take}\,\pi = \frac{22}{7}\right)$$

Ans

X 1. 12 cm

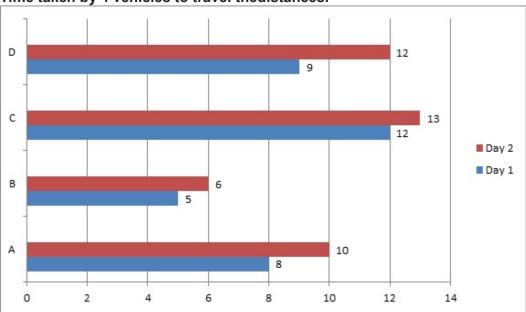
X 2. 15 cm

X 4. 18 cm

Q.3 The following table indicates the distances (in km) travelled by 4 vehicles (A, B, C and D) in 2 days and the bar graph indicates the time (in hours) taken by the vehicles to travel the distances, respectively. The x - axis indicates the time (in hours) and the y - axis indicates the vehicles. Study the bar graph carefully and answer the question that follows.

Vehicles	Day 1	Day 2
Α	480	600
В	360	420
С	720	780
D	630	720

Time taken by 4 vehicles to travel the distances.



Which of the following vehicles travelled at the same speed on both the days?

Ans

- X 1. Only A and D
- X 2. A, C and D
- X 3. Only C and D
- 4. Only A and C

Q.4 Find the simple interest (in ₹) on ₹3500 as a sum borrowed at 3% per year rate of interest for 6 years.

Ans

- X 1.670
- **2**. 630
- X 3.590
- X 4. 570

Q.5 Find the area of a parallelogram with a base of 12 m and a height of 20 m.

Ans

- X 1. 120 m²
- × 2. 144 m²
- × 4. 210 m²

Q.6 The average of nine consecutive numbers is 45. The largest number among these numbers is:

Ans

- X 1.50
- **2**. 49
- X 3.48
- **X** 4.41

Q.7	The table show	vs the produ	ction of diffe	rent types of	cars (in thou	usands).
	Years	2019	2020	2021	2022	
	Cars					
	P	57	94	71	91	
	Q	23	25	46	26	
	R	15	67	13	39	
	S	69	34	62	24	
						and type R in 2022 taken together to the total production of
Ans	cars of type S 1. 22: 17	in 2019 and t	type P in 202	1 taken toge	ther?	
	X 2. 35 : 16					
	X 3. 17 : 22					
	4 . 16 : 35					
Q.8	A can c	ontain	s a mi	xture o	of two	liquids, grape juice and
						1. When 8 litres of the
						n is filled with pineapple juice,
	the ration	o beco	mes 1	3:14.	How n	nany litres of pineapple juice
	was ini	tially c	ontain	ed in t	he car	1?
Ans	X 1. 14 litres	5				
	X 2. 28 litres					
	3. 11 litres					
	√ 4. 33 litres	S				
Q.9	A dishonest d	lealer claims	to sell groce	eries at cost	price and sti	ill makes a profit of $2\frac{22}{39}$ %. For a kg, he uses a weight of:
Ans	X 1. 985 g					
	× 2. 978 g					
	✓ 3. 975 g✗ 4. 981 g					
	4. 961 g					
Q.10 Ans	Find the HCF of 1. 72	of 576,324 an	d 360			
7410	X 2. 108					
	X 3. 144					
	4 . 36					
Q.11	Find the arithn	netic mean o	f 5, 15, 25, 26	i, and 27.		
Ans	1 . 19.6					
	2. 18.6					
	X 3. 20.6					

X 4. 17.6

Q.12	A shopkeeper buys 15 mobiles and sells 12 mobiles at the cost price of 15 mobiles. If the shopkeeper sells all the mobiles at the same price at which he sold the 12 mobiles in the first case, what is the profit percentage?
Ans	X 1. 22.5%
	× 2. 27.5%
	★ 3. 20%
	✓ 4. 25%
Q.13	A sum of money amounts to ₹7,436 after 6 years and ₹9,460 after 10 years at the same rate of simple interest. Find the rate of interest per annum.
Ans	X 1. 12.5%
	★ 2. 13%
	★ 4. 12%
Q.14	A tradesman marks his goods at 40% above the cost price and then allows customers a discount of 15%. What is the profit percentage for the tradesman?
Ans	X 1. 25%
	× 2. 21%
	⋄ 3. 19%
	× 4. 15%
Q.15	Find the volume of the largest right circular cone which is inscribed in a hollow cube of length 6 units and is standing on its base.
Ans	√ 1. 18π units ³
	\times 2. 9π units ³
	\times 3. 21π units ³
	\times 4. 10π units ³
Q.16 Ans	If the average of 53 consecutive even numbers is 1280. Find the difference between the smallest and the largest number.
	★ 2. 34
	★ 3. 124
	✓ 4. 104
Q.17	Distance between A and B is 1200 km. If they start moving towards each other at same time, they will meet in 24 hrs. If A starts 10 hrs after B, then they will meet after another 20 hrs. What are their respective speeds?
Ans	√ 1. 30 km/h, 20 km/h
	× 2. 25 km/h, 35 km/h
	X 3. 35 km/h, 25 km/h
	★ 4. 40 km/h, 25km/h
Q.18	Raghav covers a distance of 45 km in 1 hour 40 minutes. Assuming he maintains a constant speed throughout his journey, what is Raghav's speed (in m/s)?
Ans	★ 1.9
	★ 2. 6
	→ 3.7.5
	★ 4.7.2

Q.19 The price of a commodity is increased by 20% and then again by 25%. By what per cent should the increased price be reduced to get back to the initial price?

Ans

X 2.45%

$$\times$$
 3. $22\frac{1}{2}\%$

X 4. 25%

Q.20 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 5% per year rate of interest for 6 years.

Ans

Section: Reasoning Ability and Problem Solving

Q.1 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 kites are eagles.

All eagles are birds.

Conclusions:

(I) All birds are kites.

(II) Some birds are eagles.

Ans

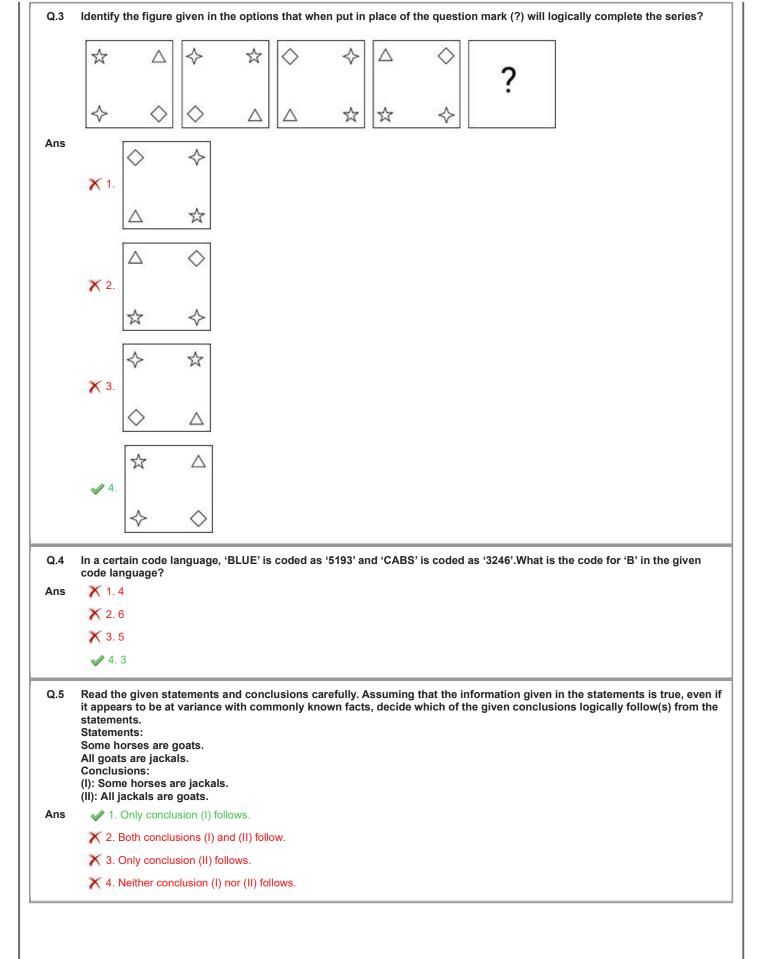
X 2. Neither conclusion (I) nor (II) follows

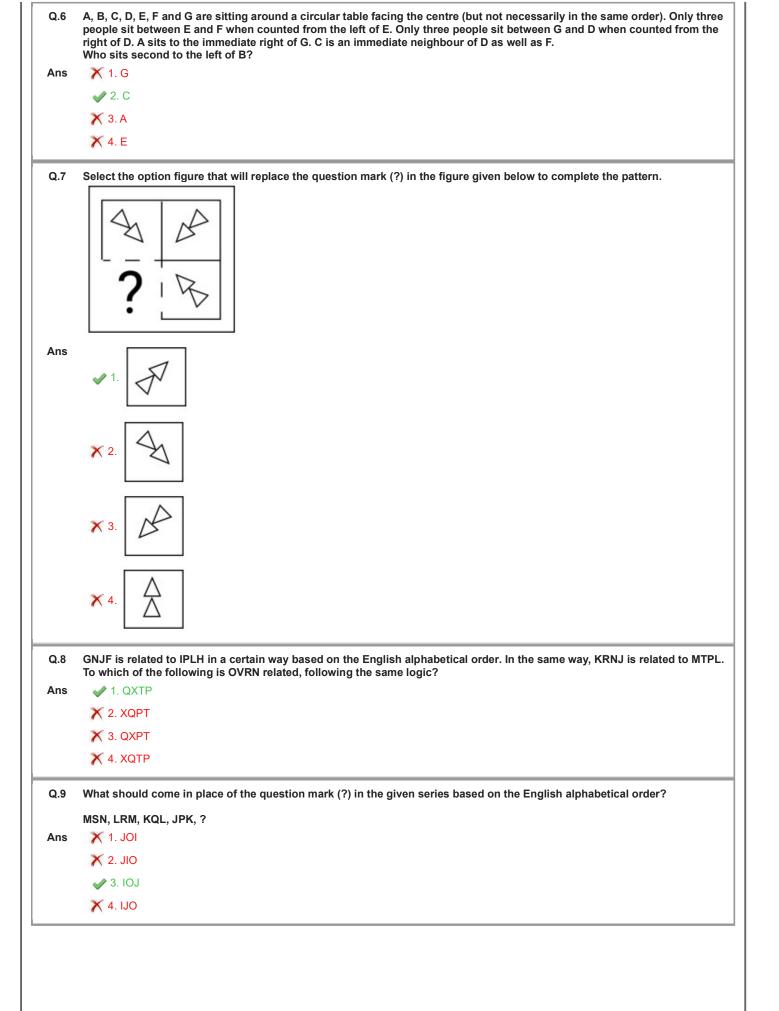
X 3. Both conclusions (I) and (II) follow

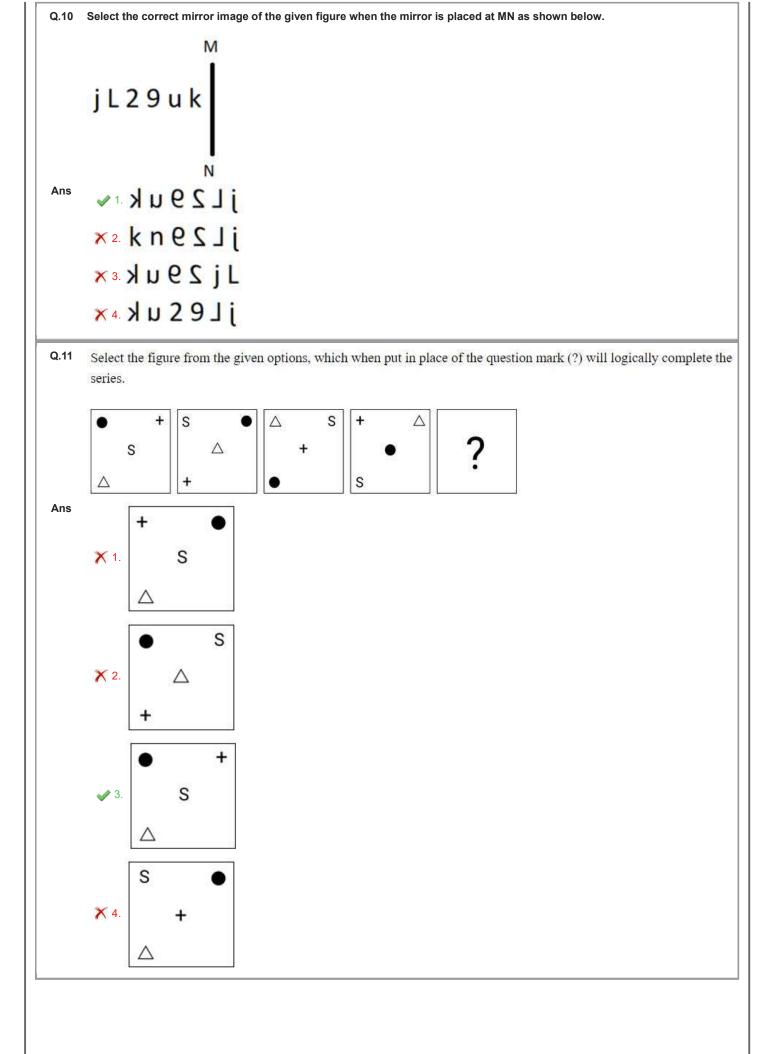
X 4. Only conclusion (I) follows

Q.2 In a certain code language, 'BIKE CAR SCOOTER' is written as 'SS RR PP' and 'CAR CYCLE TRUCK' is written as 'PP TT LL' and 'CYCLE BIKE TRAIN' is written as 'RR ZZ TT'. How is 'SCOOTER' written in the given language?

Ans







Q.12	Which two signs should be interchanged to make the following equation correct?
	$33 \times 19 - 24 \div 8 + 4 = 40$
Ans	X 1. – and +
	× 2. ÷ and ×
	X 4. + and ÷
Q.13	What should come in place of the question mark (?) in the given series?
	6, 12, ?, 144, 720 ,4320, 30240
Ans	✓ 1. 36
	× 2.42
	× 3.40
	★ 4. 38
Q.14	In a certain code language, 'MILK' is coded as '5642' and 'LIKE' is coded as '8425'. What is the code for 'E' in that language?
Ans	★ 1.6 ✓ 2.8
	× 3.4
	× 4.5
Q.15	In a certain code language, 'SOAP' is coded as '4729' and 'POSE' is coded as '9257'. What is the code for 'E' in that language?
Ans	X 1.7
	X 2.2
	★ 3.9
	◆ 4.5
Q.16	Which two numbers should be interchanged to make the following equation correct?
	(8÷ 2)× 11 −9× 3 + (51÷ 17) × 6 = 30 (Note: Interchange should be done of the entire number and not individual digits of a given number.)
Ans	X 1. 3 and 6
	X 2. 9 and 11
	X 3. 9 and 6
Q.17	ZMJI is related to UIGG in a certain way based on the English alphabetical order. In the same way, TIMN is related to OEJL. To which of the following is PHJI related, following the same logic?
Ans	X 1. KJED
	√ 2. KDGG ——————————————————————————————————
	X 3. KGDF
	X 4. GKHF
Q.18	4 is related to 41 following a certain logic. Following the same logic, 9 is related to 91. To which of the following is 13 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 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
Ans	√ 1. 131
	★ 2. 129
	X 3. 130
	★ 4. 127

Five friends, Ashish, Bipin, Chandu, Dinesh and Emmanuel, went on a trek. On the mountain top, they lit a campfire and sat around it in a circle facing the centre (but not necessarily in the same order). It was recalled that there was only one person sitting between Ashish and Chandu, while Chandu himself was sitting second to the left of Bipin. If Dinesh was an immediate neighbour of both Chandu and Bipin, who was sitting to the immediate right of Ashish? X 1. Chandu Ans X 2. Dinesh X 3. Bipin 🥒 4. Emmanuel Q.20 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following 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.) 18, 29 49, 60 **1**. 84, 95 Ans X 2. 88, 79 X 3. 92, 123 X 4. 86, 99 Section: General Awareness Q.1 Who among the following led the Indian delegation to attend the 56thAnnual General Meeting of the Board of Governors of Asian Development Bank (ADB) along with Investor/ Bilateral and other associated meetings, in Incheon, the Republic of Korea, from 2 to 5 May 2023? Ans X 1. Meenakshi Lekhi 2. Nirmala Sitharaman X 3. Smriti Irani ¥ 4. Renuka Singh Saruta According to Article 51A of the Indian Constitution, it is the fundamental duty of every person to uphold and protect the Q.2sovereignty, unity and _ Ans 🟋 1. spirituality of India 💢 2. harmony of India X 3. diversity of India 4. integrity of India Q.3 The process by which a water body gradually becomes enriched with nutrients and minerals, mainly phosphorus and nitrogen, leading to enormous growth of algae on the surface of the water, thus decreasing the amount of dissolved oxygen in the water is known as: Ans 1. Eutrophication 2. Biomagnification X 3. Hypoxia X 4. Bioaccumulation Who among the following freedom fighters was associated with the series of nine articles known as 'New Lamp for Old'? Q.4 1. Aurobindo Ghose Ans 2. Sardar Ajit Singh X 3. Bhagat Singh X 4. Swami Vivekananda

Q.5	The Buland Darwaza was the structure built by Akbar at which of the following places in India?
Ans	✓ 1. Fatehpur Sikri
	× 2. Agra
	X 3. Lahore
	X 4. Delhi
Q.6	Who introduced 'Objective Resolution' in the Constituent Assembly?
Ans	X 1. Rajendra Prasad
	√ 2. Jawaharlal Nehru
	X 3. Vallabhbhai Patel
	X 4. BR Ambedkar
Q.7	Raja and Radha Reddy were awarded the Padma Bhushan in 2000 for giving a new dimension to which dance form?
Ans	🗙 1. Sattriya
	X 2. Odissi
	✓ 3. Kuchipudi
	X 4. Manipuri
Q.8	'The Best Mistakes of My Life' is an autobiography of which Indian Actor?
Ans	X 1. Salman Khan
	X 2. Shahrukh Khan
	X 3. Dilip Kumar
	✓ 4. Sanjay Khan
Q.9	Which of the following options contains groups of cropping seasons in India?
Ans	✓ 1. Rabi, Kharif and Zaid
	X 2. Rabi, Podu and Zaid
	X 3. Rabi, Kharif and Jhum
	X 4. Ray, Kharif and Zaid
0.40	
Q.10 Ans	A tunnel that runs through the cell wall between two plant cells is known as: 1. ribosome
71110	× 2. protoplasm
	× 3. peroxisome
	 ✓ 4. plasmodesmata
	4. plasificutesifiata
Q.11	Which state topped the medal tally at the 37 th National Games event held in Goa?
Ans	X 1. Punjab
	X 2. Kerala
	X 3. Haryana
	✓ 4. Maharashtra
Q.12	Thetakudi Harihara Vinayakram, who became the first Carnatic musician to win a Grammy, is known for playing which musical instrument?
Ans	🗶 1. Kanjira
	✓ 2. Ghatam
	✗ 3. Shehnai
	X 4. Mridangam

Q.13	During the Mauryan society, Megasthenes divided the Indian society into seven distinct groups. In which distinct group were the 'king's counsellors' placed?
Ans	✓ 1. Seventh
	X 2. First
	X 3. Fifth
	X 4. Second
Q.14	How many other members are there in the Finance Commission EXCEPT, Chairman?
Ans	★ 1.6
	✓ 2. 4
	X 3. 3
	X 4. 5
Q.15	Bhangra and Giddha dance forms are associated with which Indian state?
Ans	X 1. Odisha
	X 2. Gujarat
	✓ 3. Punjab
	X 4. Maharashtra
Q.16	Which of the following banking institutions played an instrumental role in financial inclusion through microfinance loans
Ans	and their expansion in India? X 1. State Bank of India
	X 2. Reserve Bank of India
	X 3. Central Bank of India
Q.17	Deodhar Trophy is given in
Ans	X 1. hockey
	X 2. football
	X 3. tennis
	✓ 4. cricket
Q.18	The elements in Group 17 of the periodic table are known as:
Ans	★ 1. noble gases
	X 2. alkali metals
	√ 3. halogens
	X 4. transition metals
Q.19	Who among the following married the Mughal emperor Jahangir in 1611 and received the title 'Nur Jahan'?
Ans	X 1. Jahanara Begum
	X 2. Hasina Begum Sahiba
	√ 3. Mehrunnisa
	X 4. Mumtaz Mahal
Q.20	What solution should be used to test for the presence of starch in food?
Ans	X 1. Ethylene glycol – water solution
	X 2. Magnesium solution
	X 3. Talc solution
	✓ 4. lodine solution

Q.21 Which of the following ministries has launched the National Career Service Portal (www.ncs.gov.in)? Ans 1. Ministry of Education X 2. Ministry of Personnel, Public Grievances and Pensions 3. Ministry of Labour and Employment X 4. Ministry of Youth Affairs and Sports As per Census 2011, which of the following union territories has the highest percentage of rural population? Q.22 Ans 1. Puducherry X 2. Delhi X 3. Chandigarh X 4. Daman and Diu Q.23 On which of the following days is National Integration Day observed? Ans X 1. 2 October X 2. 15 August X 3. 26 January 4. 19 November Which of the following is not a tributary of Godavari River? Ans X 1. Indravati 2. Pranhita 3. Kameng X 4. Manjra Q.25 Who among the following are the target beneficiaries for the 'Vishwakarma Yojana' launched by Government of India on 17 September 2023? Ans 1. Individuals skilled in traditional folk dance 2. Individuals skilled in traditional craftsmanship X 3. Individuals skilled in traditional folklore 4. Individuals skilled in traditional folk songs Section: English Language and Comprehension Q.1 Select the INCORRECTLY spelt word. X 1. perceive Ans 2. parliment X 3. pastime X 4. perseverance Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The dancer / performed weird / but the music was / highly enchanting. Ans 1. highly enchanting. 2. performed weird X 3. The dancer X 4. but the music was Q.3 Select the grammatically correct sentence. 💢 1. An intricate dance of neurotransmitters in the synaptic cleft plays the crucial role in neural communication. Ans 💢 2. An intricate dance of neurotransmitters in a synaptic cleft plays a crucial role in neural communication. 3. The intricate dance of neurotransmitters in the synaptic cleft plays a crucial role in neural communication. 💢 4. The intricate dance of neurotransmitters in a synaptic cleft plays the crucial role in neural communication.

Q.4	Select the grammatically correct sentence.
Ans	✓ 1. If you want to have a sound working knowledge of Japanese, you must read this book.
	X 2. If you want to have an sound working knowledge of Japanese, you must read this book.
	X 3. If you want to have sound working knowledge of the Japanese, you must read this book.
	✗ 4. If you want to have a sound working knowledge of the Japanese, you must read this book.
Q.5	Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.
	RK Laxman was well-known for his drawings of people in such a highly exaggerated manner as to cause laughter.
Ans	X 1. articles
	X 2. sketches
	X 3. portraits
	✓ 4. caricatures
	·
Q.6	Select the correctly spelled sentence. X 1. The audience applauded the muzicians performance.
Ans	
	X 2. The audiance applauded the musicans performance.
	X 4. The audiance applauded the musician's perfomance.
Q.7	Select the most appropriate synonym of 'clarify' in the sentence given below. The last question of the examination paper confused me when it asked to illustrate the Pythagoras' theorem with the help of examples.
Ans	X 1. Last
	✓ 2. Illustrate
	🗙 3. Help
	X 4. Confused
Q.8	Select the most appropriate idiom for the underlined segment in the given sentence.
	Sarvana failed in the examination last week and is <u>in extreme depression</u> these days.
Ans	X 1. In the red
	× 2. In cold blood
	X 4. In the lurch
Q.9	Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.
	Shylock, the Jewish moneylender, and Antonio, the rich Merchant of Venice <u>loathed</u> each other.
Ans	X 1. lathered
	X 2. admired
	★ 4. latte
Q.10	Select the most appropriate meaning of the given idiom. Head in the clouds
Ans	✓ 1. Being impractical
	X 2. Being punctual and sincere
	X 3. Working hard
	X 4. Thinking about the sky and clouds

Q.11	Select the most appropriate synonym of the given word. Jurisdiction
Ans	✓ 1. Governance
	X 2. Expression
	X 3. Violation
	X 4. Descent
Q.12	Change the following sentence into positive degree.
	Sushma is one of the smartest girls in the class.
Ans	√ 1. Few girls in the class are as smart as Sushma.
	X 2. Sushma is the smart girl of the class.
	X 3. Sushma is smarter than any other girls in the class.
	X 4. No other girl is as smart as Sushma.
Q.13	The following sentence has been split into four segments. Identify the segment that contains anerror in phrasal verb.
	Bindu asked Arya to fill out for / her so that she could / take care of / her sick father.
Ans	✓ 1. Bindu asked Arya to fill out for
	X 2. her so that he could
	X 3. her sick father
	X 4. take care of
Q.14	Select the most appropriate option to fill in the blank. The restaurant's menu featured a variety of dishes.
Ans	X 1. delecious
	X 2. delicius
	X 4. delitious
Q.15	In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Choose the correct alternative.
	She is <u>late</u> than we expected.
Ans	X 1. latter
	× 2. more late
	√ 3. later
	X 4. latest
Q.16	Select the most appropriate option to fill in the blank.
A	I always prefer a small, cosy cottage a high-rise apartment.
Ans	X 1. than
	X 2. for X 3. from
	✓ 4. to
Q.17	Select the most appropriate synonym of the underlined word in the following sentence.
	Success demands hard work, <u>diligence</u> and perseverance.
Ans	X 1. indolence
	× 2. Coolness
	X 3. Trouble

Q.18	Select the option that can be used as a one-word substitute for the given group of words. A person who travels from place to place, especially for work
Ans	X 1. Vagrant
	× 2. Nomad
	X 3. Pilgrim → 3. Pilgrim
	✓ 4. Itinerant
Q.19	Choose the correctly spelt word to fill in the blank meaningfully. His is a brilliant student.
Ans	X 1. sune
	★ 2. sun
	√ 3. son
	X 4. sone
Q.20	Select the most appropriate option to fill in the blank. Woodcutting involves the removal of useless trees first, by medium and finest quality timber trees.
Ans	✓ 1. followed
	X 2. adjusted
	X 3. enacted
	X 4. compared
	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. We are familiar with the quote, " "If winter comes, can spring be far1?" Winters are depressing, but we bear because we know that it will not2 till perpetuity. Spring3 a new life in us. As the spring begins to set itself, the nights become shorter and the days get longer. Gardens and lawns become colourful, buds4 as flowers, birds chirp and butterflies fly from one flower to another to5 on the sweet nectar. The dullness is taken over by brightness.
	SubQuestion No : 21
Q.21	Select the most appropriate option to fill in blank number 1.
Ans	X 1. behind and far
	× 2. behind and below
	X 3. far behind
	√ 4. behind
	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. We are familiar with the quote, " "If winter comes, can spring be far1?" Winters are depressing, but we bear because we know that it will not2 till perpetuity. Spring3 a new life in us. As the spring begins to set itself, the nights become shorter and the days get longer. Gardens and lawns become colourful, buds4 as flowers, birds chirp and butterflies fly from one flower to another to5 on the sweet nectar. The dullness is taken over by brightness.
0.55	SubQuestion No : 22
Q.22 Ans	Select the most appropriate option to fill in blank number 2. X 1. hold
Alla	✓ 2. last
	× 3. hold on
	× 4. rest

	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. We are familiar with the quote, " "If winter comes, can spring be far1?" Winters are depressing, but we bear because we know that it will not2 till perpetuity. Spring3 a new life in us. As the spring begins to set itself, the nights become shorter and the days get longer. Gardens and lawns become colourful, buds4 as flowers, birds chirp and butterflies fly from one flower to another to5 on the sweet nectar. The dullness is taken over by brightness.
	SubQuestion No : 23
Q.23	Select the most appropriate option to fill in blank number 3.
Ans	X 1. imbue
	X 2. immerse
	X 3. inculcate
	√ 4. infuses
	·
	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. We are familiar with the quote, " "If winter comes, can spring be far1?" Winters are depressing, but we bear because we know that it will not2 till perpetuity. Spring3 a new life in us. As the spring begins to set itself, the nights become shorter and the days get longer. Gardens and lawns become colourful, buds4 as flowers, birds chirp and butterflies fly from one flower to
	another to5 on the sweet nectar. The dullness is taken over by brightness.
	SubQuestion No : 24
Q.24	Select the most appropriate option to fill in blank number 4.
Ans	X 1. take out
	✓ 2. come out
	X 3. fall over
	X 4. pull out
	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.
	We are familiar with the quote, " "If winter comes, can spring be far1?" Winters are depressing, but we bear because we know that it will not2 till perpetuity. Spring3 a new life in us. As the spring begins to set itself, the nights become shorter and the days get longer. Gardens and lawns become colourful, buds4 as flowers, birds chirp and butterflies fly from one flower to another to5 on the sweet nectar. The dullness is taken over by brightness.
	SubQuestion No : 25
Q.25	Select the most appropriate option to fill in blank number 5.
Ans	X 1. gulp
	× 2. food
	★ 3. gobble
	✓ 4. suck