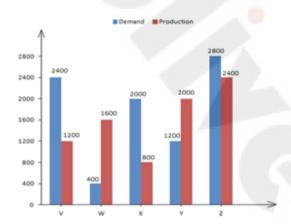
Multi Tasking Non Technical Staff and Havaldar CBIC and CBN Examination 2024

Exam Date	04/11/2024
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 The demand and production for five businesses V, W, X, Y, and Z are shown in the accompanying chart, which illustrates them using a basic bar graph to provide an answer.



The difference between average demand and average production of the four companies (V, W, X, Y) taken together, is:

Ans

Q.2 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 6% per year rate of interest for 2 years.

Ans

Q.3 What fraction of space will a spherical ball of radius 2.1 cm take in a big spherical container of diameter of 84 cm?

Take
$$\pi = \frac{22}{7}$$

Ans

$$\times$$
 1. $\frac{1}{400}$

$$\times$$
 3. $\frac{1}{20}$

Q.4	Ram borrowed ₹20,000 at 6% per annum and ₹25,000 at 8% per annum, for the same duration. He had to pay ₹9,600 in all as interest. What is the time period?
Ans	X 1.5 years
	✓ 2. 3 years
	X 3. 4 years
	X 4. 2 years
0.5	
Q.5	The marks obtained by A in Mathematics, English and Biology are 71 out of 100, 82 out of 150 and 177 out of 200, respectively. What is the average score?
Ans	
	\times 1. $\frac{13}{21}$
	2 11
	\times 2. $\frac{11}{16}$
	\times 3. $\frac{12}{13}$
	\checkmark 4. $\frac{11}{15}$
	15
Q.6	If Mohan's income is 20% less than Arvind's income, then how much per cent is Arvind's income more than Mohan's income?
Ans	★ 1.30%
	★ 2. 20%
	★ 3. 15%
	✓ 4. 25%
Q.7 Ans	A train travelling at a speed of 36 km/h crosses a pole in 24 sec. What is the length of the train? 1. 1.5 m
Allo	X 2. 300 m
	✓ 3. 240 m✓ 4. 30 m
	X 4. 30 III
Q.8	The HCF and LCM of two numbers are 11 and 3465, respectively. If one of the two numbers is 693, what is the other number?
Ans	X 1. 315
	★ 2.75
	★ 4.65
Q.9	A clothing store announces a discount scheme 'Buy one shirt and get 40% off on another shirt of the same price'. What is
	the profit percentage of the store, given that each shirt has a cost price 60% below the marked price?
Ans	X 1.60%
	★ 2. 120%
	√ 3. 100%
	★ 4.80%

Q.10 The curved surface area of a solid cylinder is 605 cm². The circumference of its base is 22 cm. The total surface area is how many times the height of the cylinder?

Take
$$\pi = \frac{22}{7}$$

Ans

X 1. 20.8

2. 24.8

X 3. 24.5

X 4. 25

Q.11 Two trains are running in opposite directions at the same speed. If the length of each train is 150 m and they cross each other in 15 sec, find the speed of each train (in km/hr).

Ans

X 1. 18

X 2.24

3. 36

X 4.42

Q.12 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 8% per year rate of interest for 3 years.

Ans

X 1. 640

X 2. 540

3.600

X 4. 560

Q.13 In an examination, the average score of a student was 71.9. If the student would have got 28 more marks in English, 22 more marks in Mathematics, 16 more marks in Computer Science, 14 more marks in History, 10 less marks in Hindi, and retained the same marks in other subjects, then the average score would have been 80.65. How many subjects were there in the examination?

Ans

1.8

X 2. 7

X 3. 9

X 4. 6

Q.14 What is the ratio in which product A, costing ₹70 per 100 grams, should be mixed with product B, costing ₹100 per 100 grams, so that on selling the mixture at ₹1.20 per gram, a profit of 25% is achieved?

Ans

X 1.9:2

X 2. 13:2

X 3.2:9

4. 2 : 13

Q.15 The average weight of X, Y and Z is 67 kg. The average weight of X and Y is 64 kg and that of Y and Z is 52 kg. The weight of Y (in kg) is:

Ans

1.31

X 2. 33

X 3. 30

X 4. 28

Q.16					
Ans	★ 1.12				
	X 2. 16				
	X 3.8				
	✓ 4. 20				
Q.17	The x and y co-ordinates of six poi	nts are tabulated as below. Observe t	the table carefully and answer the giv	en question.	
	Points	X-co-ordinate	Y-co-ordinate		
	A	15	42		
	В	20	46		
	С	18	44		
	D	16	48		
	E	21	50		
	F	22	52		
	Find the distance between F and C.				
Ans	$\sqrt{1.\sqrt{80}}$ units				
	\times 2. $\sqrt{42}$ units				
	\times 3. $\sqrt{8}$ units				
	\times 4. $\sqrt{13}$ units				
Q.18	400 chickooes were bought at ₹1280 per hundred and were sold at a profit of ₹980. Find the selling price (in ₹) per dozen of chickooes.				
Ans	X 1. 193				
	X 2. 173				
	✓ 3. 183				
	X 4. 198				
Q.19	The area of a right-angled triangle i	s 80m². If its perpendicular is equal t	to 20 m. then find its base.		
Ans	X 1.4 m		,		
	× 2.3 m				
	X 3.6 m				
	✓ 4.8 m				
0.20	·	000 After a few months, as his office	a provided quether leater. he call the	t a long of 400/	
Q.20			e provided another laptop, he sold it a a profit of 12%. What is the amount th		
Ans	X 1. ₹45,000				
	X 2. ₹34,848				
	√ 3. ₹44,352				
	X 4. ₹56,448				
Sectio <u>n</u>	: Reasoning Ability and Problem Sol	ving			

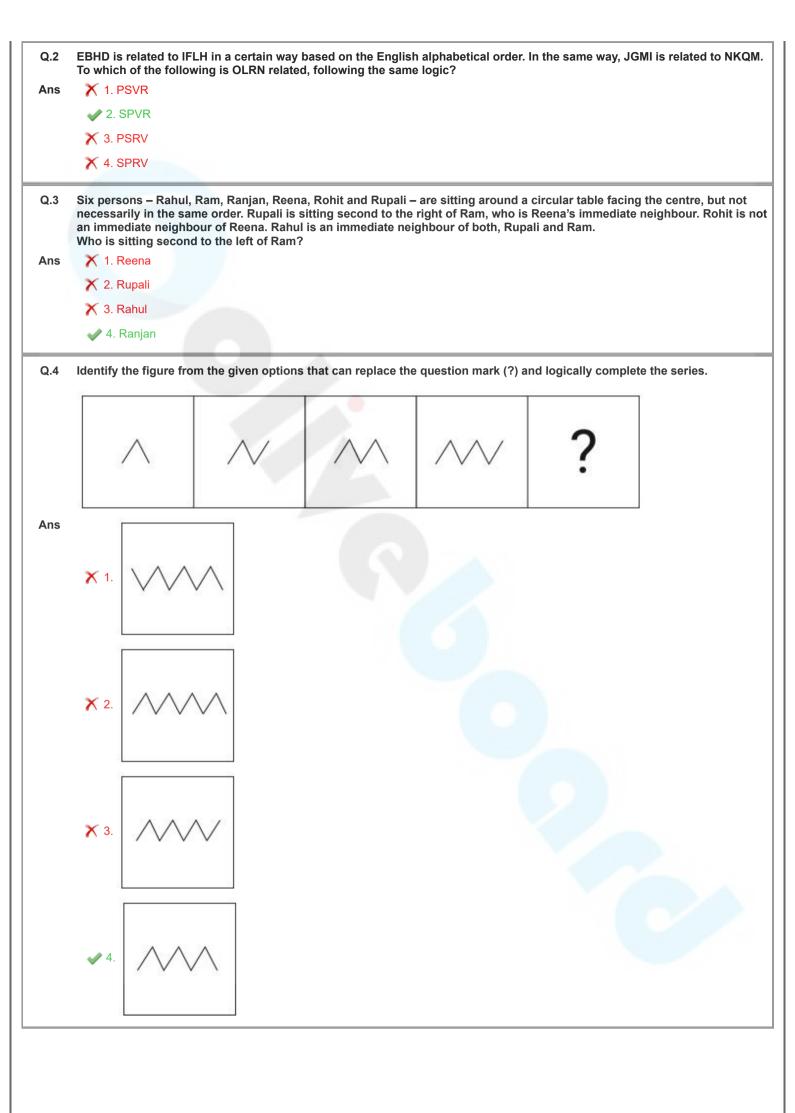
In a certain code language, 'ABROAD' is coded as 'WZLIYZ' and 'ADVISE' is coded as 'VHREWZ'. How will 'AGENDA' be

Q.1

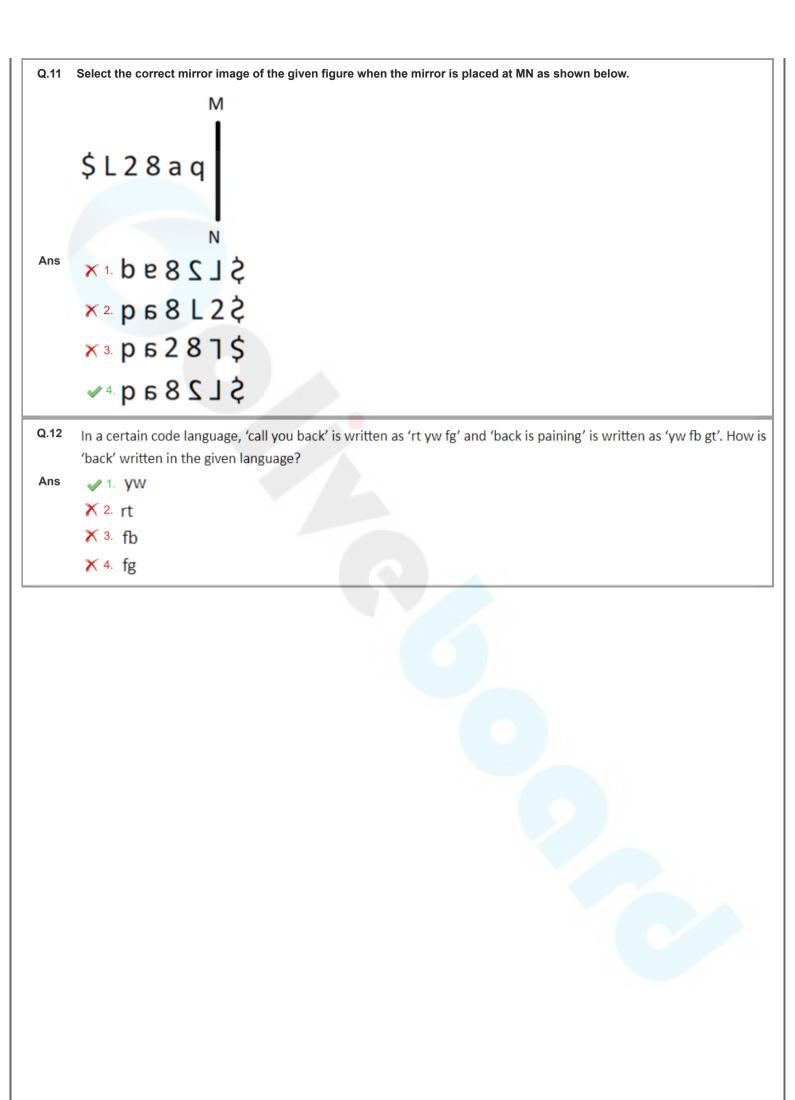
Ans

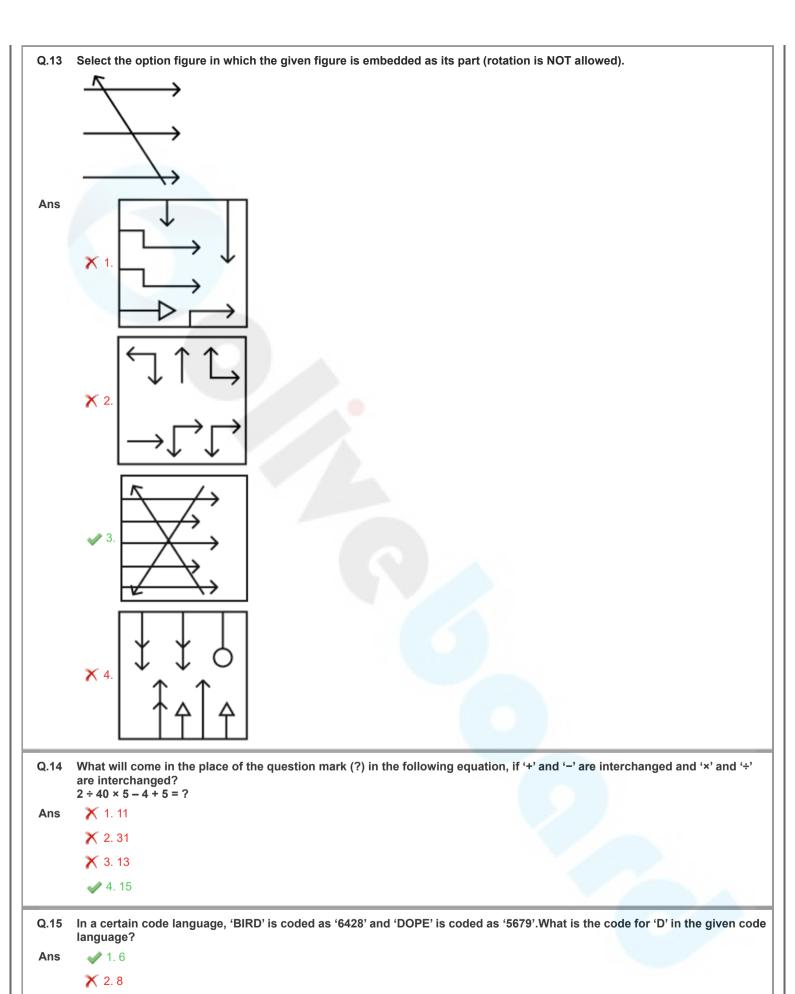
coded in the same language?

★ 1. ZWNVUZ
 ★ 2. ZTWMWY
 ★ 3. ZWMVTZ
 ★ 4. ZTVMWZ



Q.5	What will come in the place of '?' in the following equation, if '+' and ' \div ' are interchanged and ' \times ' and ' $-$ ' are interchanged? $88 \div 18 \times 28 + 4 - 14 =$?
Ans	√ 1.8
	★ 2.18
	X 3. −2
	★ 4. 28
Q.6	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 irons are heaters. Some irons are fans.
	Conclusions:
	(I) Some heaters are fans.
Ans	(II) All fans are irons. 1. Neither conclusion I nor II follows
Alla	× 2. Only conclusion II follows
	3. Only conclusion I follows
	X 4. Both conclusion I and II follow
Q.7	Select the number from among the given options that can replace the question mark (?) in the following series.
	2, 3, 6 ,11, 18 ,?
Ans	★ 1.31
	★ 2. 29
	√ 3. 27
	★ 4.30
Q.8	In a certain code language, 'zebra tool bean' is coded as 'rj pi ki' and 'bean knife army' is coded as 'ko jm pi'. How is 'bean' coded in the given language?
Ans	X 1. ko
	X 2. rj
	√ 3. pi
	★ 4. ki
	EV TOTAL
Q.9	Six people A, B, C, D, E and F are sitting around a circular table, facing the centre (but not necessarily in the same order). F is sitting third to the right of C. D is sitting second to the left of F. A and E are immediate neighbours. E is sitting second to the right of B.
_	How many people are sitting between E and C when counted from the left of E?
Ans	√ 1.3
	★ 2.1
	★ 3.4
	★ 4.2
Q.10	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.)
	246, 123 448, 224
Ans	✓ 1. 624, 312
	× 2. 102, 226
	★ 3. 325, 96



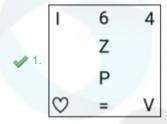


✗ 3. 5✗ 4. 7

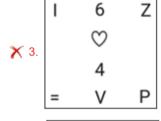
Q.16	Select the figure from among the given options that can replace the question mark (?) in the following series and complete
	the pattern.

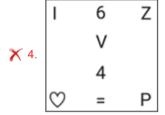
	p di di di											
I	Р	\Diamond	٧	=	4	=	4	Р	Z	I	6	
	Z			Р			V			4		2
	6			Z			\bigcirc			V		:
4	=	V	\Diamond	6	Ι	6	ı	Z	Р	\Diamond	=	

Ans









Q.17 Read the given statement(s) 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 statement(s).

Statements:

Some tables are plates.

Some tables are spoons.

Conclusions:

- (I) At least some spoons are plates.
- (II) Some plates are tables.

Ans

- X 1. Neither conclusion (I) nor (II) follows.
- 2. Only conclusion (II) follows.
- X 3. Both conclusions (I) and (II) follow.
- X 4. Only conclusion (I) follows.

Q.18 UD 1 is related to OF -6 in a certain way. In the same way, IX 6 is related to CZ -1. To which of the following is MJ 3 related, following the same logic?

Ans

Q.19 18 is related to 91 following a certain logic. Following the same logic, 27 is related to 136. To which of the following is 45 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 X 1. 234 X 2, 238 **3**. 226 X 4, 222 What should come in place of the question mark (?) in the given series based on the English alphabetical order? Q.20 HXS, JVQ, LTO, NRM, ? Ans X 1. PPM X 2. PNQ 3. PPK X 4. OPD Section: General Awareness Q.1 The modern-day was molded by the renowned Tanjore Bandhu, consisting of the four Nattuvanars: Ponnayya, Vadivelu, Sivanandam and Chinnayya. Ans X 1. Mohiniyattam 2. Bharatanatyam X 3. Kathakali X 4. Kuchipudi Q.2 Who became the first female armless archer to win a medal at the Para World Championship event, 2023? X 1. Seema Devi Ans X 2. Shreya Devi X 3. Shikha Devi 4. Sheetal Devi Which of the following options represents the correct flow of energy in an ecosystem? Q.3 X 1. Sunlight → Herbivores → Carnivores → Producers Ans 2. Sunlight → Carnivores → Producers → Herbivores ✓ 3. Sunlight → Producers → Herbivores → Carnivores X 4. Sunlight → Herbivores → Producers → Carnivore Q.4 At 10 \times 10⁴ Pa pressure and 300 K temperature, the volume of 0.09 mol CO₂ gas is 22.4 \times 10⁻³ m³. What will be the volume of the gas if the pressure is decreased to 2×10^4 Pa? \times 1. 56.3 × 10⁻³ m³ Ans \checkmark 2. 112.0 × 10⁻³ m³ \times 3. 37.4 × 10⁻³ m³ \times 4. 28.1 × 10⁻³ m³ In 1990, who established Nrityagram, a dance school in Bengaluru? Q.5 Ans 🗙 1. Madhavi Mudgal 2. Protima Gauri Bedi X 3. Mukti Mohan

X 4. Rekha Raju

Q.6	The scheme, that covers artisans related to 18 fields, was included under the 'Payments Infrastructure Development Fund' ('PIDF') scheme by the Reserve Bank of India in October 2023.
Ans	X 1. PM USHA
	× 2. PM Ullas
	✓ 3. PM Vishwakarma
	X 4. PM Swanidhi
Q.7	Who among the following formed an organisation to support widow remarriage in Madras Presidency?
Ans	1. V Chidambaram Pillai
	2. Ishwar Chandra Vidyasagar
	X 3. C Rajagopalachari
	✓ 4. Veereshlingam Pantulu
Q.8	Which of the following Articles entails "Equality of opportunity in matters of public employment"?
Ans	X 1. Article 15
	× 2. Article 17
	X 3. Article 14
	✓ 4. Article 16
Q.9	Sawai Gandharva was associated with which of the following gharanas?
Ans	✓ 1. Kirana gharana
	🔀 2. Benaras gharana
	🔀 3. Agra gharana
	★ 4. Indore gharana
Q.10	The partition ofwas annulled in 1911.
Ans	X 1. Burma
	🔀 2. Punjab
	X 3. United Provinces
	✓ 4. Bengal ———————————————————————————————————
Q.11	Who is the author of 'The story of My Experiments with Truth'?
Ans	1. BR Ambedkar
	2. MK Gandhi
	X 3. Paramahansa Yogananda
	X 4. Jawaharlal Nehru
Q.12	Which state in India has the largest scheduled tribe population as per the 2011 Census?
Ans	🗙 1. Odisha
	✓ 2. Madhya Pradesh
	X 3. Jharkhand
	X 4. Chhattisgarh
Q.13	In which state is the Rewa Ultra Mega Solar Power Project located?
Ans	✓ 1. Madhya Pradesh
	🗙 2. Rajasthan
	🗙 3. Tamil Nadu
	X 4. Karnataka

Q.14	As per Census 2011, which of the following is the most populated city in India?
Ans	✓ 1. Mumbai
	× 2. Chennai
	🗙 3. Kolkata
	X 4. Delhi
Q.15	In the State Legislature, is subject to dissolution.
Ans	1. Council of States
	2. Legislative Assembly
	X 3. Legislative Council
	X 4. House of People
Q.16	What is the chemical name for the compound responsible for the cooling sensation in mint leaves?
Ans	X 1. Ethanol
	✓ 2. Menthol
	★ 3. Caffeine
	★ 4. Capsaicin
	4. Capsaidin
Q.17	Which of the following statements is correct?
Ans	\chi 1. Harappan culture spread only to Sindh and Punjab.
	★ 2. The script of the Harappan culture has been deciphered by historians.
	✓ 3. At burials in Harappan sites the dead were generally laid in pits.
	X 4. Granaries in the Indus Valley Civilization were found in Harappa only.
Q.18	To control the prices, which of the following Sultans of Delhi set up three different markets for different commodities in
Ans	Delhi? ✓ 1. Alauddin Khalji
	X 2. Muhammad bin Tughlaq
	X 3. Ghiyasuddin Balban
	★ 4. Shamsuddin Iltutmish
Q.19	The second largest dome in the world was built in India and is still standing strong. Which dome is being spoken about
	here?
Ans	★ 1. GlampEco
	× 2. Teela
	✓ 3. Gol Gumbaz
	X 4. Calico Dome
Q.20	For which of the following minerals are Jharia and Raniganj known?
Ans	X 1. Marble
	✓ 2. Coal
	X 3. Copper
	X 4. Gold
Q.21	Identify the correct match in the context of microfinance.
Ans	🔀 1. Muhammad Yasir - Grameen Bank - Bangladesh
	🗙 2 Muhammad Yasir - Grameen Bank - Pakistan

X 3. Muhammad Yunus - Grameen Bank - Pakistan

Q.22	What was the name of the official torch for the Khelo India University Games 2022?
Ans	X 1. Ujala
	X 2. Mitra
	X 3. Samarth
	√ 4. Shakti
Q.23	In March 2023, who was appointed as Chairperson of Pension Fund Regulatory Development Authority (PFRDA)?
Ans	X 1. Subodh Jaiswal
	X 2. Suresh N Patel
	X 3. Tushar Mehta
	✓ 4. Deepak Mohanty
Q.24	Losar festival is celebrated in which of the following states?
Ans	X 1. Chhattisgarh
	X 2. Andhra Pradesh
	√ 4. Arunachal Pradesh
Q.25	The percentage of pore space between the particles inside a rock or soil is called:
Ans	✓ 1. Porosity
	X 2. Density
	X 3. Salinity
	X 4. Permeability
Section	: English Language and Comprehension
Q.1	The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
	A good lawyer / always looks in the / case before he / attends court.
Ans	X 1. attends court
	✓ 2. always looks in the
	X 3. case before he
	X 4. A good lawyer
Q.2	Select the most appropriate meaning of the given idiom.
	On the back foot
Ans	X 1. In a relaxed state
	X 2.
	Situated farther away
	√ 3.
	At a disadvantage
	X 4. In a hurry
Q.3	Select the option that will improve the underlined part of the given sentence.
Ans	According to Greek mythology, Sipylus is holier city of Lydia.
7.113	√ 1 the holiest
	✓ 1. the holiest ➤ 2 most holiest
	X 2. most holiest

Q.4	Parts of the following sentence have been given as options. Select the option that contains an error.
	Before the internet was available on mobile, I read often books for entertainment and information.
Ans	★ 1. for entertainment and information.
	X 2. was available on mobile
	X 3. Before the internet
	✓ 4. I read often books
Q.5	Select the most appropriate synonym of the given word.
Ans	✓ 1. Sticky
	× 2. Vain
	✓ 3. Dismal
	× 4. Buoyant
Q.6	The following sentence has been split into four segments. Identify the segment that contains a grammatical/spelling error.
	They decided to /start their journey / towards the hills / in midnight.
Ans	★ 1. They decided to
	X 2. start their journey
	✓ 3. in midnight
	X 4. towards the hills
Q.7	Select the most appropriate ANTONYM of the given word.
	Predicament
Ans	✓ 1. Solution
	× 2. Docile
	X 3. Mess
	X 4. Redeem
Q.8	Select the most appropriate superlative adjective form to fill in the blanks.
	What's book you've ever read?
Ans	★ 1. interesting
	2. the most interesting
	X 3. more interesting
	★ 4. the interesting
Q.9	Select the most appropriate present tense form of the verb to fill in the blank.
	they like sweets?
Ans	✓ 1. Do
	× 2. Had
	X 3. Has
	★ 4. Does

Q.10	Select the correctly spelt word to fill in the blank.
	We to follow the traffic rules.
Ans	X 1. aut
	× 2. aught
	✓ 3. ought
	★ 4. oght
Q.11	Select the most appropriate ANTONYM of the given word.
	Obsequious
Ans	X 1. Ordained
	★ 2. Obliterate
	★ 3. Ostracised
	✓ 4. Obstinate
	V II OSCIIIAID
Q.12	Select the most appropriate meaning of the unde <mark>rlin</mark> ed word. The <u>sink</u> is clogged due to solid materials.
Ans	1. A pipeline for water supply
	× 2. A container which holds water
	✓ 3. A large fixed container to wash hands or utensils
	X 4. To drown in water
Q.13	Select the correctly spelt word to fill in the blank meaningfully
	The on the wall was beautifully painted.
Ans	★ 1. pictur
	✓ 2. picture
	★ 3. picter
	★ 4. pickchure
Q.14	Select the most appropriate option to fill in the blank.
	Despite his initial, he eventually agreed to join the team.
Ans	★ 1. enthusiasm
	✓ 2. reluctance
	★ 3. determination
	X 4. compassion
Q.15	Select the most appropriate option to fill in the blank. Industrialisation gives even the least talented person a chance to his livelihood.
Ans	X 1. Live
	× 2. Give
	✓ 3. Earn
	★ 4. Break
Q.16	Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.
	A grand function was organised to honour the person who had died for a noble cause.
Ans	✓ 1. martyr
	× 2. volunteer
	X 3. prophet

X / philanthropiet

Q.17	Select the most appropriate option to fill in the blank. The investigating team smelled a in the suspect's defence.
Ans	× 1.
	cat X 2.
	bat
	X 3.
	dog 4.
	rat
Q.18	Select the INCORRECTLY spelt word.
Ans	★ 1. Synchronous
	✓ 2. Inadvertant
	X 3. Effeminate
	X 4. Blatant
Q.19	Select the most appropriate option that can substitute the highlighted word(s) in the given sentence.
	Mr. Wilson is elder than he looks.
Ans	★ 1. older then
	× 2. elder to
	★ 3. elder for
	✓ 4. older than
Q.20	Select the INCORRECTLY spelt word.
Ans	X 1. Awful
	✓ 2. Awsome
	★ 3. Bitter
	X 4. Barren
	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.
	Opera refers (1) a dramatic art form, originating in Europe, in which the emotional content (2) conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. (3) contrast, in musical theatre an actor's dramatic performance is primary, and the music (4) a lesser role. The drama in opera is (5) using the primary elements of theatre such as scenery, costumes and acting.
	SubQuestion No : 21
Q.21	Select the most appropriate option to fill in blank no. 1.
Ans	★ 1. on
	× 2. for
	X 4. with

	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.
	Opera refers (1) a dramatic art form, originating in Europe, in which the emotional content (2) conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. (3) contrast, in musical theatre an actor's dramatic performance is primary, and the music (4) a lesser role. The drama in opera is (5) using the primary elements of theatre such as scenery, costumes and acting.
	SubQuestion No : 22
Q.22	Select the most appropriate option to fill in blank no. 2.
Ans	√ 1. is
	X 2. were
	X 3. are being
	X 4. are
	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.
	Opera refers (1) a dramatic art form, originating in Europe, in which the emotional content (2) conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. (3) contrast, in musical theatre an actor's dramatic performance is primary, and the music (4) a lesser role. The drama in opera is (5) using the primary elements of theatre such as scenery, costumes and acting.
	SubQuestion No: 23
Q.23	Select the most appropriate option to fill in blank no. 3.
Ans	X 1. For
	✓ 2. In
	X 3. Under
	★ 4. Beside
	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.
	Opera refers (1) a dramatic art form, originating in Europe, in which the emotional content (2) conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. (3) contrast, in musical theatre an actor's dramatic performance is primary, and the music (4) a lesser role. The drama in opera is (5) using the primary elements of theatre such as scenery, costumes and acting.
	SubQuestion No : 24
Q.24	Select the most appropriate option to fill in blank no. 4.
Ans	✓ 1. plays
	X 2. playing
	X 3. play
	★ 4. played
	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.
	Opera refers (1) a dramatic art form, originating in Europe, in which the emotional content (2) conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. (3) contrast, in musical theatre an actor's dramatic performance is primary, and the music (4) a lesser role. The drama in opera is (5) using the primary elements of theatre such as scenery, costumes and acting.
	Out Over the May 05
	SubQuestion No: 25
Q.25	Select the most appropriate option to fill in blank no. 5.
Q.25 Ans	
	Select the most appropriate option to fill in blank no. 5. 1. presenting
	Select the most appropriate option to fill in blank no. 5.

X 4. present