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

Exam	ate 15/10/2024
Exam Time	9:00 AM - 11:00 AM
Subjec	MTS Non Tech Havaldar CBIC and CBN Examination 2024

Section: Numerical and Mathematical Ability	1
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Q.1 If the average marks of three batches of 40, 50 and 60 students, respectively, is 50, 60 and 75, then the average marks of all the students is:

Ans

X 1. 70.00

X 2. 65.50

3. 63.33

X 4. 61.25

Q.2 A person sees another person snatching a chain from a lady, at a distance of 300 metres. He starts running and catches the thief by running at 10 km/h after running a total distance of 1.5 km. The speed at which the thief was running was:

Ans

X 1. 8.5 km/h

X 2. 9 km/h

X 3. 9.5 km/h

√ 4. 8 km/h

Q.3 The greatest possible length of a scale that can exactly measure a cloth of lengths 250 cm, 420 cm and 710 cm is:

Ans

💢 1. 71 cm

√ 2. 10 cm

X 3. 460 cm

X 4. 170 cm

Q.4 The batting average of a cricket player for 40 innings is 60 runs. His highest score in an innings exceeds his lowest score by 110 runs. If these two innings are excluded, the average score of the remaining 38 innings is 58 runs. Find his highest score.

Ans

X 1. 290

2. 153

X 3. 220

X 4. 310

Q.5 Find the simple interest (in ₹) on ₹2000 as a sum borrowed at 7% per year rate of interest for 3 years.

Ans

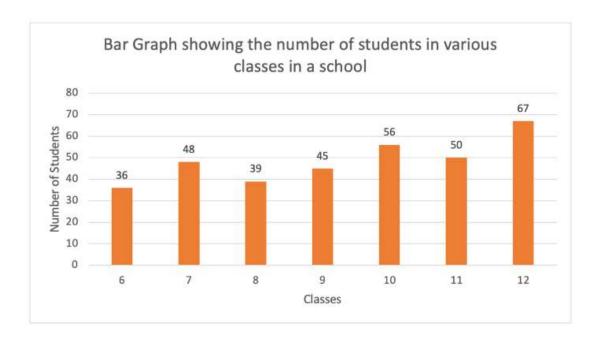
X 1.460

X 2.380

X 3. 360

4. 420

The bar graph below shows the number of students in various classes in a school. Study the graph below and answer the following question:



What is the ratio of the average number of students in classes 8, 9, 11, and 12 to the average number of students in classes 6, 7, 8, 9, 10 and 12?

Ans

X 1. 194 : 201

X 2. 121 : 291

3. 201 : 194

X 4. 291 : 101

Q.7 A wholesale dealer announced during the festival season that they are offering 'buy 4 shirts, get one free', then find the net discount percentage given by the dealer.

Ans

X 1. 10%

2. 20%

X 3. 15%

X 4.5%

Q.8 A runner runs 300 metres race in 36 seconds. The runner's speed in km/h is:

Ans

X 1.48

X 2.24

3. 30

X 4.36

Q.9 The volume of a right circular cylinder is 2425.5 cm³ and its base area is 346.5 cm². What is the curved surface area of the cylinder (in cm²)?

Ans

1. 462

X 2. 284

X 3.364

X 4.588

Q.10 Consider the cost of services A and B by companies C, D, E and F in the given table.

Service → Company ↓	A	В
С	100	120
D	90	110
Е	88	115
F	104	108

How much more percentage cost is charged for service B as compared to the cost of service A by company E?

Ans

1. 30.68%

X 2. 30.33%

X 3. 38.06%

X 4. 36.08%

Q.11 An investment grows by 15% in the first month, 20% in the second month, and then decreases by 10% in the third month. If the initial investment was ₹5000, then the final amount (in ₹) is:

Ans

X 1. 6,420

X 2. 6,602

X 3. 6,340

4. 6,210

Q.12 Vipul, Ashima, and Priya invested a total of ₹21,000 at 3%, 6%, and 5% per annum, respectively, on simple interest. If at the end of the year, all three persons received an equal amount of interest, then the amount (in ₹) invested by Ashima is:

Ans

1. 5,000

X 2. 3,000

X 3. 2,000

X 4. 4,000

Q.13 When a class of 40 students took a science test, 25 students had an average score of 80, and the remaining students had an average score of 90. What was the average score of the whole class?

Ans

× 1.82.75

X 2.80.75

× 3.81.75

4.83.75

Q.14 Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 8% per year rate of interest for 6 years.

Ans

X 1. 1400

X 2. 1480

3. 1440

X 4. 1380

Q.15 In an amusement park, all rides are equally priced, and the entry ticket for the park costs an additional ₹180. Rohan had 15 rides and paid a total of ₹1,380 for his visit to the park. How much (in ₹) in all would Rohan have to pay for his visit to the amusement park if he had opted for 20 rides?

Ans

X 1. 1840

X 2. 1760

X 3. 1800

4. 1780

Q.16 If the diagonal of a rectangle is 16 cm long and its perimeter is 48 cm long, find the area of the rectangle.

Ans

X 1. 148 cm²

X 2. 120 cm²

√ 3. 160 cm²

X 4. 140 cm²

Q.17 The average age of 14 students and their teacher is 18 years. If the teacher's age is excluded, the average reduces by 1 year. What is the teacher's age?

Ans

1.32

X 2.35

X 3.37

X 4.34

Q.18 The cost price of 25 balls is the same as the selling price of 20 balls. Find the profit percentage.

Ans

X 1. 18%

2.25%

X 3. 15%

X 4. 16.66%

Q.19 A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 19% less than what is written on it. Find his profit percentage.

Ans

$$\times 2.24 \frac{38}{81} \%$$

$$\times$$
 3. 22 $\frac{37}{81}$ %

$$\times$$
 4. 25 $\frac{74}{81}$ %

Q.20 The radius and the height of a right circular cone are in the ratio of 7: 24 and its

volume is 1232 cm³. Find the total surface area of the cone. (Use $\pi = \frac{22}{7}$)

Ans

Section: Reasoning Ability and Problem Solving

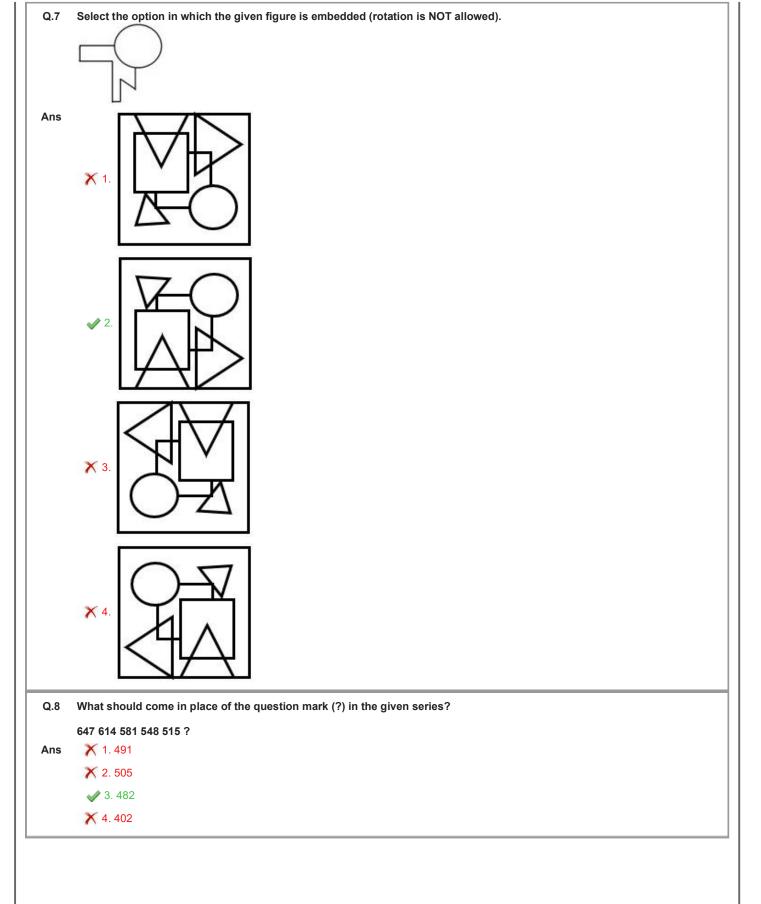
Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

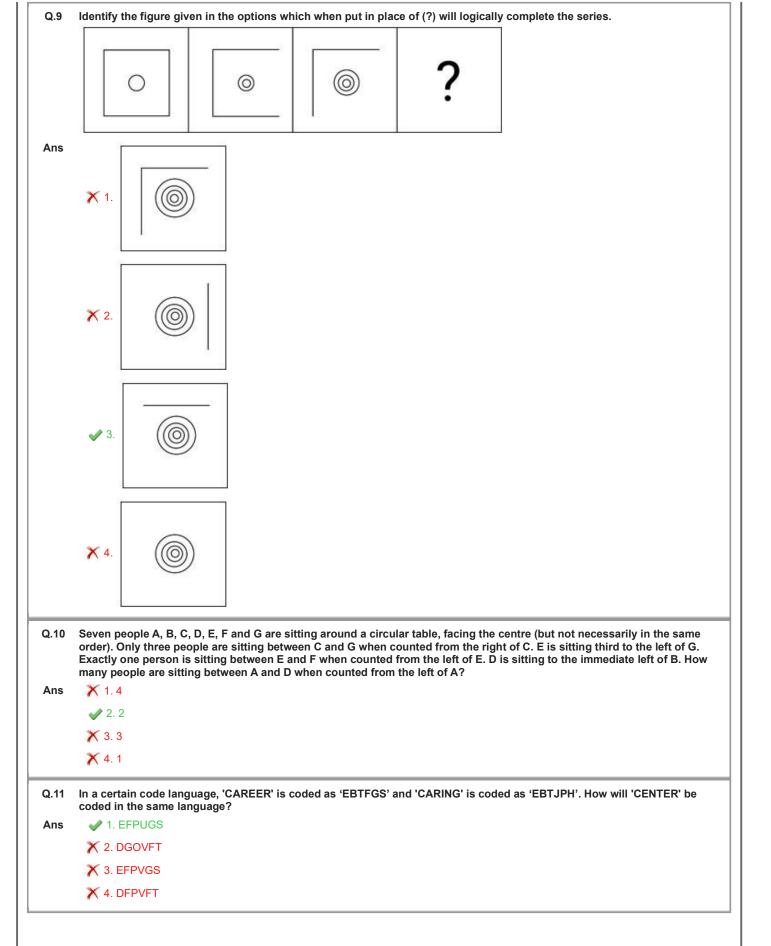
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(9, 63, 7)

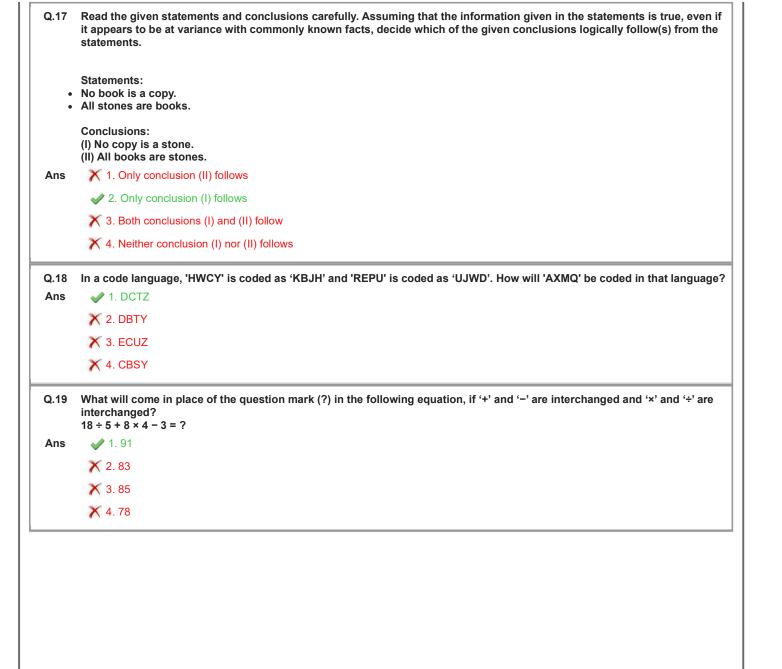
Ans

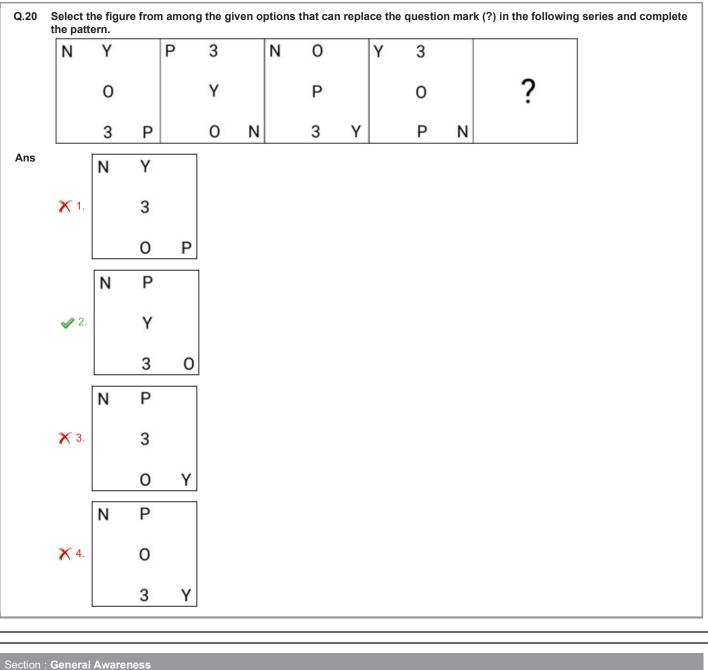
Q.2	VOJP is related to SLGM in a certain way based on the English alphabetical order. In the same way, XQLR is related to UNIO. To which of the following is ZSNT related following the same logic?
Ans	X 1. WPQK
	✓ 2. WPKQ
	→ 3. PWKQ
	X 4. PWQK
Q.3	Which two numbers should be interchanged to make the following equation correct?
	(15 ÷ 3)× 11 + 48 -21 × 2 + 8 = 57
	(Note: Interchange should be done of the entire number and not individual digits of a given number.)
Ans	X 1. 15 and 21
	X 2. 21 and 8
	X 4. 15 and 48
Q.4	In a certain code language, 'MANAGE' is coded as 'IKEREQ' and 'RACE' is coded as 'IGEV'. What is the code for 'SYMPHONY' in the given code language?
Ans	X 1. CRSLTRCW
	X 2. CRSLSQCW
	X 3. CRSLTPCW
	✓ 4. CRSLTQCW
	· ·
Q.5	M, N, O, P, Q, R and S are sitting around a circular table facing the centre (but not necessarily in the same order). Q is an immediate neighbour of both R and P. M sits second to the left of R. O sits second to the left of M. S is not an immediate neighbour of O. The position of how many persons will remain unchanged if all persons are arranged in alphabetical order in a clockwise direction starting from 'M'?
Ans	X 1. Four
	✓ 2. Seven
	✗ 3. Six
	X 4. Five
Q.6	What should come in place of the question mark (?) in the following series based on the English alphabetical order? YDY, WGT ,UJO ,SMJ, ?
Ans	X 1. PPD
	X 2. PPF
	X 3. PPE
	✓ 4. QPE

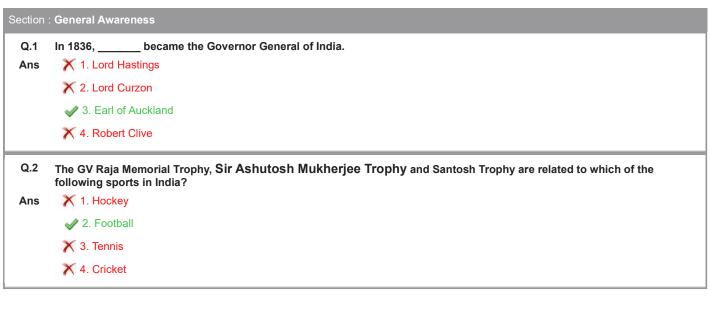




Q.12 4 is related to 32 following a certain logic. Following the same logic, 11 is related to 88. To which of the following is 6 related, following the same logic? (Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations 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.) X 1.56 Ans X 2.36 X 3.42 **y** 4. 48 Q.13 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below. Ans kg59☆1× ×2 **1**0 € 2 k g kg59ひ≈∿ ×4. **₹**962 kg Q.14 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 branches are leaves. Some leaves are cables. Conclusions: (I) Atleast some cables are branches. (II) Some cables are leaves. 1. Neither conclusion (I) nor (II) follows. Ans 2. Only conclusion (I) follows. 3. Both conclusions (I) and (II) follow. 4. Only conclusion (II) follows. Q.15 FD7 is related to KI12 in a certain way. In the same way, PN18 is related to US23. To which of the following is AY21 related following the same logic? X 1. HF25 Ans X 2. FD25 🥒 3. FD26 X 4. HF26 In a certain code language, 'DONE' is coded as '7139' and 'TERM' is coded as '6874'. What is the code for 'E' in the given code language? X 1.8 Ans 2. 7 X 3.6 X 4.9







Q.3	A disease like COVID-19 is a kind of:
Ans	X 1. Foodborne disease
	X 2. Protein Deficiency disease
	✓ 3. Zoonotic disease
	X 4. Waterborne disease
Q.4	In February 2023, who was appointed as the new Governor of Himachal Pradesh?
Ans	X 1. Satyadev Narayan Arya
	× 2. Kalraj Mishra
	X 3. Bandaru Dattatreya
	√ 4. Shiv Pratap Shukla
Q.5	Who is properly known as the 'Grand Old Lady' of the Independence Movement?
Ans	X 1. Usha Mehta
	X 2. Madam Kama
	🗙 3. Sarojini Naidu
	√ 4. Aruna Asaf Ali
Q.6	Which of the following river valleys is NOT known for coal deposits in India?
Ans	X 1. Mahanadi
	✓ 2. Satluj
	X 3. Godavari
	× 4. Son
Q.7	In 2023, which repository is proposed to be set up in a digital epigraphy museum, with digitisation of one lakh ancient inscriptions in the first stage?
Ans	✓ 1. Bharat Shared Repository of Inscriptions
	X 2. Progressive Repository of Indigenous Folklore
	X 3. Amrit Repository of Numismatic Collection
	× 4. Indian Repository of Classical Coins
Q.8	The amount of dissolved oxygen in water becomes lowest at what time of the day?
Ans	✓ 1. In the dawn
	X 2. In the afternoon
	X 3. At night time
	X 4. In the evening
Q.9	The percentage of sunlight energy absorbed by the green plants in a terrestrial ecosystem is about
Ans	1. 2%
	√ 2. 1%
	★ 3. 0.5%
	★ 4. 1.5%
Q.10 Ans	Who is the author of the novel 'Life and Death of Sambhaji' published in the year 2021? 1. Amish Tripathi
	X 2. Chitra Banerjee Divakaruni
	✓ 3. Medha Deshmukh Bhaskaran
	🔀 4. Rita Banerji

Q.11	As per Census 2011, which of the following states has the highest percentage of Buddhist population in India?
Ans	X 1. Arunachal Pradesh
	X 2. Himachal Pradesh
	✓ 3. Sikkim
	X 4. Karnataka
Q.12	As per Article 163 of the Constitution of India, any advice tendered by Ministers to the shall not be inquired into in any court.
Ans	X 1. President
	× 2. Chief Minister
	X 3. Chief Justice
	✓ 4. Governor
Q.13	Chitti Babu is a famous player of which of the following musical instruments?
Ans	X 1. Mridangam
	🗶 2. Sarangi
	✓ 3. Veena
	X 4. Nadaswaran
Q.14	Which of the following microfinance units were established in India at the time of independence?
Ans	X 1. Grameen Model Banks
	✓ 2. Rural Cooperatives
	X 3. Joint Liability Groups
	X 4. Self Help Groups
Q.15	Which of the following harvest and cultural festivals is celebrated by the Tamil community every year in January?
Ans	√ 1. Pongal
	X 2. Makaravillakku
	🗙 3. Vishu
	X 4. Theyyam
Q.16	The temperature of −273.15°C is called
Ans	√ 1. absolute zero temperature
	X 2. standard temperature
	X 3. zero-point energy
	X 4. freezing point of water
Q.17	What does Age Structure represent?
Ans	X 1. The number of females per 100 males in a given area at a specified time period
	X 2. The number of females per 1000 males in a given area at a specified time period
	X 4. A measure comparing the portion of a population composed of dependents with the portion that is in the working age group
Q.18	In which of the following cities was the first successful textile mill established in India in the year 1854?
Ans	X 1. Calcutta
	✓ 2. Bombay
	X 3. Bhopal
	X 4. New Delhi

Q.19	In which year was the first Senior Women's National Football Championship held in India?
Ans	X 1. 1950
	× 2. 1995
	√ 3. 1992
	× 4. 2000
Q.20	The last Chalukyan King, defeated by the Rashtrakuta King Dantidurga, was
Ans	X 1. Vikramaditya II
	× 2. Pulakesin II
	✓ 3. Kirtivarman II
	X 4. Vikramaditya I
Q.21	The Early Vedic economy was primarily based on activity.
Ans	X 1. Mining Iron ore
	✓ 2. pastoral
	X 3. trading
	X 4. agricultural
Q.22	Who among the following is the dance guru from Odisha credited with having revived the Odissi dance form?
Ans	X 1. Vyjayanthimala
	X 2. Sujata Mohapatra
	🗙 3. Birju Maharaj
	✓ 4. Kelucharan Mohapatra
Q.23	Which of the following awards was conferred upon the Chhau dancer Siba Prasad Das in 2022?
Ans	X 1. Sangeet Natak Akademi Fellowship
	X 2. Padma Shri
	X 3. Ustad Bismillah Khan Yuva Puraskar
	✓ 4. Sangeet Natak Akademi Amrit Award
Q.24	The Directive Principles of State Policy are influenced by which of the following?
Ans	√ 1. Gandhian philosophy
	X 2. Rule of Law of England
	X 3. American declaration of independence
	X 4. French declaration of human rights
Q.25	Select the correct combination of famous palaces and their locations in Rajasthan.
Ans	X 1. Rambagh Palace – Jodhpur
	√ 2. Lalgarh Palace - Bikaner
	X 3. Umaid Bhawan Palace – Udaipur
	X 4. Taj Lake Palace – Jaipur
Section	: English Language and Comprehension
Q.1	Select the most appropriate option to fill in the blank. Please with me for a while
Ans	X 1. bairn
	√ 2. bear
	X 3. bare
	X 4. bar
	11.54

Q.2	Select the option that correctly rectifies the underlined spelling error in the given sentence. Women and children were often employed in the textile industry during the first <u>centuary</u> of industrialisation.
Ans	X 1. centurie
	✓ 2. century
	X 3. centuari
	X 4. centuarie
Q.3	Select the most appropriate ANTONYM of the underlined word. You seem to be mean to your seniors.
Ans	X 1. apathetic
	× 2. modest
	X 3. rude
	✓ 4. sympathetic
Q.4	Select the option that will improve the underlined part of the given sentence.
	Seizing the opportunity, Akhil decided to take the bull with the horns.
Ans	X 1. take the bull on the horns
	✓ 2. take the bull by the horns
	X 3. take the bull at the horns
	X 4. take the bull in the horns
Q.5	In the following sentence the underlined part contains as error. Alternatives to the underlined part are given as options. Select the correct alternative. He is <u>truest</u> to his words.
Ans	X 1. truly
	✓ 2. true
	X 3. most truly
	X 4. truer
Q.6	Select the option that rectifies the spelling error in the following sentence.
	In his persuit of excellence, he forgot to take care of his health.
Ans	✓ 1. pursuit
	× 2. persoot
	X 3. persuite
	X 4. pursuite
Q.7	The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. Sam and Teena / had wondering / what to do this weekend.
Ans	X 1. No error
	X 2. what to do this weekend
	X 3. Sam and Teena
	✓ 4. had wondering
Q.8	Select the most appropriate option to fill in the blank. The rising interest in and concern about animal welfare resulted in legislative laws and the formation of The Animal Committee in many nations.
Ans	X 1. Resistant
	✓ 2. Ethics
	X 3. Considers
	X 4. Customs

Select the most appropriate option to substitute the underlined segment in the given sentence. Q.9 Heba dropped of the club unexpectedly to say hello and catch up. X 1. dropped for the club unexpectedly Ans X 2. dropped besides the club unexpectedly 3. dropped by the club unexpectedly X 4. dropped between the club unexpectedly Q.10 Select the most appropriate ANTONYM of the underlined word in the given sentence. Although our new boss knew he was wrong, he was too obstinate to accept that. Ans X 1. Fearless 2. Flexible X 3. Adamant X 4. Competent The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The sky is covering / with dark clouds and / I hope soon it / will begin to rain. Ans X 1. I hope soon it 2. The sky is covering 3. with dark clouds and X 4. will begin to rain Select the most appropriate ANTONYM of the given word. Q.12 **Procrastination** X 1. Hesitance Ans 2. Eagerness X 3. Timidness X 4. Hawing Q.13 Identify the word that can replace the INCORRECTLY spelt word in the given sentence. The explorer discovered a hidden cave deep in the heart of the jungle. Ans X 1. hiddenn X 2. hiden X 3. hiddeen 4. hidden Q.14 The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select 'No error'. The committee has careful / considered the report which you sent us / and has decided to take action. 1. and has decided to take action. Ans X 2. No error X 3. considered the report which you sent us Q.15 Select the most appropriate meaning of the given idiom. Like a bat out of hell 1. Very fast and wildly Ans 2. In a bad situation X 3. Defeated X 4. Impossible

Q.16	Select the most appropriate synonym of the underlined word. Her <u>austere</u> lifestyle reflected her minimalist approach to living.
Ans	X 1. Luxurious
	√ 2. Sombre
	★ 3. Happy
	X 4. Giddy
Q.17	The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. This is the best novel / I have read, / in a very long time.
Ans	X 1. This is the best novel
	✓ 2. No error
	X 3. in a very long time
	X 4. I have read
Q.18	Select the most appropriate option to fill in the blank. we gave them was some homemade ice cream.
Ans	X 1. Which
	X 2. When
	X 3. While
	✓ 4. What
Q.19	Select the most appropriate meaning of the given idiom.
4	at top of your lungs
Ans	✓ 1. extremely loudly
	X 2. extremely silly
	X 3. pretend superiority
	X 4. exhausted
Q.20	In the following sentence the underlined part contains as error. Alternatives to the underlined part are given as options. Select the correct alternative. He was studying in the dimmer light.
Ans	√ 1. dim
	X 2. more dim
	X 3. dimmest
	X 4. most dim
	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.
	Language is a powerful device that (1) communication and interaction between individuals. It serves as a crucial tool for expressing thoughts, emotions, and ideas. (2) richness of language can be observed in various forms, including spoken and written interaction. People employ language to convey their intentions, share knowledge, and build relationships. It is a fundamental aspect of human interaction and plays a vital role in shaping societies and cultures. Without language, cooperation would be (3), as it serves as the foundation for collaboration and understanding among diverse communities. Furthermore, language is dynamic and stationary, evolving over time to adapt to changing environments. New words are (4) into the vocabulary, reflecting advancements in technology, science and culture. The ability to modify and adapt language is a key aspect of linguistic competence. (5), the importance of language cannot be underestimated. It is a fundamental tool for human expression and interaction, facilitating the exchange of ideas and the formation of connections among people.
0.51	SubQuestion No : 21
Q.21 Ans	Select the most appropriate option to fill in blank number 1. 1. delays
7.19	× 2. qualifies
	X 3. experiences
	✓ 4. facilitates

	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.
	Language is a powerful device that (1) communication and interaction between individuals. It serves as a crucial tool for expressing thoughts, emotions, and ideas. (2) richness of language can be observed in various forms, including spoken and written interaction. People employ language to convey their intentions, share knowledge, and build relationships. It is a fundamental aspect of human interaction and plays a vital role in shaping societies and cultures. Without language, cooperation would be (3), as it serves as the foundation for collaboration and understanding among diverse communities. Furthermore, language is dynamic and stationary, evolving over time to adapt to changing environments. New words are (4) into the vocabulary, reflecting advancements in technology, science and culture. The ability to modify and adapt language is a key aspect of linguistic competence. (5), the importance of language cannot be underestimated. It is a fundamental tool for human expression and interaction, facilitating the exchange of ideas and the formation of connections among people.
	SubQuestion No : 22
Q.22	Select the most appropriate option to fill in blank number 2.
Ans	★ 1. A
	X 2. An
	X 3. No article
	√ 4. The
	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.
	Language is a powerful device that (1) communication and interaction between individuals. It serves as a crucial tool for expressing thoughts, emotions, and ideas. (2) richness of language can be observed in various forms, including spoken and written interaction. People employ language to convey their intentions, share knowledge, and build relationships. It is a fundamental aspect of human interaction and plays a vital role in shaping societies and cultures. Without language, cooperation would be (3), as it serves as the foundation for collaboration and understanding among diverse communities. Furthermore, language is dynamic and stationary, evolving over time to adapt to changing environments. New words are (4) into the vocabulary, reflecting advancements in technology, science and culture. The ability to modify and adapt language is a key aspect of linguistic competence. (5), the importance of language cannot be underestimated. It is a fundamental tool for human expression and interaction, facilitating the exchange of ideas and the formation of connections among people.
	SubQuestion No : 23
Q.23	Select the most appropriate option to fill in blank number 3.
Ans	X 1. challenger
	✓ 2. challenging
	X 3. challenge
	X 4. challenges
	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.
	Language is a powerful device that (1) communication and interaction between individuals. It serves as a crucial tool for expressing thoughts, emotions, and ideas. (2) richness of language can be observed in various forms, including spoken and written interaction. People employ language to convey their intentions, share knowledge, and build relationships. It is a fundamental aspect of human interaction and plays a vital role in shaping societies and cultures. Without language, cooperation would be (3), as it serves as the foundation for collaboration and understanding among diverse communities. Furthermore, language is dynamic and stationary, evolving over time to adapt to changing environments. New words are (4) into the vocabulary, reflecting advancements in technology, science and culture. The ability to modify and adapt language is a key aspect of linguistic competence. (5), the importance of language cannot be underestimated. It is a fundamental tool for human expression and interaction, facilitating the exchange of ideas and the formation of connections among people.
	SubQuestion No : 24
Q.24	Select the most appropriate option to fill in blank number 4.
Ans	X 1. integral
	X 2. integration
	X 3. integrity
	5. Integrity
	✓ 4. integrated

	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.
	Language is a powerful device that (1) communication and interaction between individuals. It serves as a crucial tool for expressing thoughts, emotions, and ideas. (2) richness of language can be observed in various forms, including spoken and written interaction. People employ language to convey their intentions, share knowledge, and build relationships. It is a fundamental aspect of human interaction and plays a vital role in shaping societies and cultures. Without language, cooperation would be (3), as it serves as the foundation for collaboration and understanding among diverse communities. Furthermore, language is dynamic and stationary, evolving over time to adapt to changing environments. New words are (4) into the vocabulary, reflecting advancements in technology, science and culture. The ability to modify and adapt language is a key aspect of linguistic competence. (5), the importance of language cannot be underestimated. It is a fundamental tool for human expression and interaction, facilitating the exchange of ideas and the formation of connections among people.
	SubQuestion No : 25
Q.25	Select the most appropriate option to fill in blank number 5.
Ans	X 1. In order to
	X 2. In conclusive
	X 3. In spite of
	√ 4. In any case