

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

Exam Date	08/10/2024
Exam Time	12:30 PM - 2:30 PM
Subject	MTS Non Tech Havaladar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 A car travels from Kanpur to Delhi at an average speed of 60 km/h and returns at an average speed of 90 km/h. Find the average speed of the car in the whole journey.

Ans A). 65 km/h B). 78 km/h C). 60 km/h D). 72 km/h

Correct Answer: D

Q.2 A shopkeeper declares the following three schemes of discounts. Which scheme is most beneficial to a customer?
A. Buy 25 items and get 30 of the same items
B. Two successive discounts of 12% and 18%
C. Two successive equal discounts of 15%

Ans A). A B). B and C C). Only C D). Only B

Correct Answer: C

Q.3 The simple interest on a certain sum of money at the rate of 5% per annum for 9 years is ₹1,260. At what rate of interest can the same amount of interest be received on the same sum after 6 years?

Ans A). 8.0% B). 7.5% C). 8.5% D). 6.5%

Correct Answer: B

Q.4 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 40%?

Ans A). 5.45 B). 8.45 C). 6.45 D). 7.45

Correct Answer: A

Q.5 The average weight of a family of five members (in kg) whose weights are 40 kg, 49 kg, 56 kg, 70 kg and 35 kg is:

Ans A). 50 B). 52 C). 51 D). 49

Correct Answer: A

Q.6 Three red lights on the same road start blinking at the same time and blink repeatedly after every 4, 6 and 8 minutes, respectively. How many times will they blink together in an interval of 3 hours, excluding blinking together at the starting moment?

Ans A). 5 B). 7 C). 6 D). 4

Correct Answer: B

Q.7 In a mixture of 60 litres, milk and water are in the ratio 7 : 3. If 3 litres of water be added, find the ratio of milk and water in the new mixture.

Ans A). 2:3 B). 3:2 C). 2:1 D). 1:2

Correct Answer: C

Q.8 In a 5-km race, A beats B by 750 metres and C by 1260 metres. By how many metres does B beat C in the same race?

Ans A). 700 metres B). 600 metres C). 500 metres D). 400 metres

Correct Answer: B

Q.9 A solid cone of base radius 7 cm and height 18 cm is melted and recast into a hollow metal hemisphere of internal and external radii 20 cm and R cm, respectively. What is the value of R (in cm)?

Ans A). $\sqrt[3]{8144}$ B). $\sqrt[3]{8441}$ C). $\sqrt[3]{8448}$ D). $\sqrt[3]{8568}$

Correct Answer: B

Q.10 The given table shows the number of pages printed by four printers in three days.

Days	Printers			
	W	X	Y	Z
Monday	1450	1521	1612	1206
Tuesday	1270	1225	1605	1531
Wednesday	1385	1982	1589	1260

What is the difference between the total number of pages printed by printer X on Monday and Wednesday together, and the total number of pages printed by printer Z on Tuesday and Wednesday together?

Ans A). 712

B). 826

C). 956

D). 789

Correct Answer: A

Q.11 The ratio of income to expenditure of a family is 18:15. Find the savings if the income of the family is ₹81,000.

Ans A). ₹12,750

B). ₹15,000

C). ₹13,500

D). ₹17,500

Correct Answer: C

Q.12 The curved surface area of a cylinder is three-fifth of its total surface area. Find the ratio between the height and radius of the cylinder.

Ans A). 3 : 2

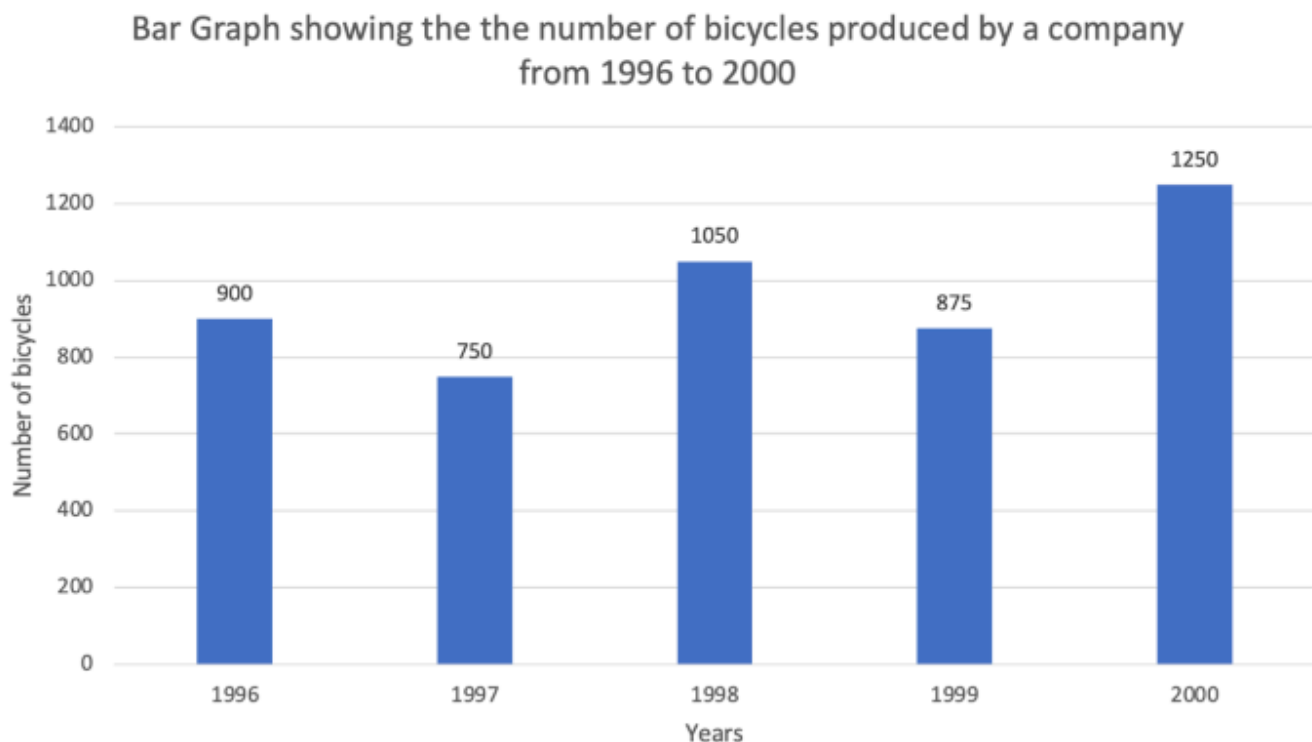
B). 2 : 5

C). 3 : 5

D). 8 : 3

Correct Answer: A

Q.13 The given bar graph shows the number of bicycles produced by a company from 1996 to 2000. Study the given bar graph and answer the question that follows.



The combined number of bicycles produced during 1996, 1997 and 2000 is what percentage (rounded off to 1 decimal place) of the combined bicycles produced from 1996 to 2000?

Ans A). 57.8%

B). 60.1%

C). 66.6%

D). 72.3%

Correct Answer: B

Q.14	A man sold an article for ₹247.50, thereby gaining 12.5%. The cost of the article (in ₹) was:			
Ans A).	225	B). 220	C). 224	D). 210
				Correct Answer: B
Q.15	Find the simple interest (in ₹) on ₹2000 as a sum borrowed at 7% per year rate of interest for 4 years.			
Ans A).	600	B). 500	C). 520	D). 560
				Correct Answer: D
Q.16	The average of the present ages of P and Q is 56 years and their ages are in the ratio 5:3. What will be the age of Q seven years hence?			
Ans A).	54 years	B). 42 years	C). 52 years	D). 49 years
				Correct Answer: D
Q.17	A tunnel elevator can carry a maximum of 15 passengers with an average weight of 81 kg. However, four persons beyond the maximum capacity entered the elevator, resulting in an average weight of 82 kg and causing it to be overloaded. Find the average weight (in kg) of the additional four persons.			
Ans A).	90.41	B). 100	C). 102.37	D). 85.75
				Correct Answer: D
Q.18	The average weight of three friends Ram, Ramesh and Shyam is 76 kg. Somesh joins them and the average weight of the four friends becomes 74 kg. If Mohan, whose weight is 2 kg more than that of Somesh replaces Ramesh, the average weight of Ram, Shyam, Somesh and Mohan becomes 68 kg. Find the weight of Ramesh.			
Ans A).	89 kg	B). 94 kg	C). 75 kg	D). 84 kg
				Correct Answer: B
Q.19	Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 8% per year rate of interest for 5 years.			
Ans A).	1240	B). 1140	C). 1200	D). 1160
				Correct Answer: C
Q.20	The curved surface area of a cylindrical pillar is 176 m^2 and its volume is 352 m^3 . Find the ratio of its radius to its height. (Use $\pi = \frac{22}{7}$)			
Ans A).	3 : 5	B). 4 : 7	C). 3 : 4	D). 2 : 3
				Correct Answer: B

Section : Reasoning Ability and Problem Solving

Q.1	DFIE is related to CGHF in a certain way based on the English alphabetical order. In the same way, MOFC is related to LPED. To which of the following is GRRP related, following the same logic?			
Ans A).	DSPQ	B). ERQQ	C). FSQQ	D). FSQR
				Correct Answer: C
Q.2	8 is related to 93 following a certain logic. Following the same logic, 10 is related to 117. To which of the following is 14 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 A).	166	B). 187	C). 165	D). 189
				Correct Answer: C
Q.3	CA 19 is related to ID 14 in a certain way. In the same way, ML 53 is related to SO 48. To which of the following is GD 8 related, following the same logic?			
Ans A).	NF –3	B). MG 3	C). MH –3	D). NH 3
				Correct Answer: B
Q.4	What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged? $12 \times 96 - 24 + 8 \div 38 = ?$			
Ans A).	16	B). 6	C). -4	D). -14
				Correct Answer: B
Q.5	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 cups are glasses. No cup is a plate.			
	Conclusions: (I) No glass is a plate. (II) Some glasses are not cups.			
Ans A).	Both conclusions I and II follow. B). Neither conclusion I nor II follows. C). Only conclusion I follows. D). Only conclusion II follows.			
				Correct Answer: B

Correct Answer: B

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EBF, IGG, MLH, QQI, ?

Ans A). SUI

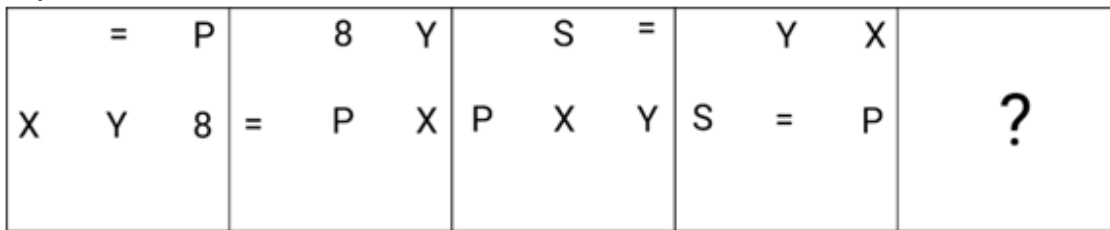
B). TUJ

C). SUJ

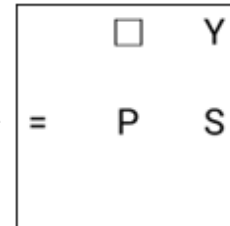
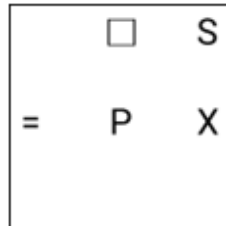
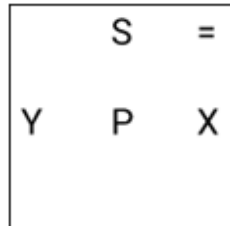
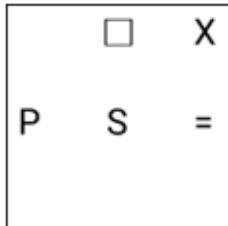
D). UVJ

Correct Answer: D

Q.15 Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



Ans



Correct Answer: C

Q.16 In a certain code language, 'EACH' is coded as '6138' and 'CAME' is coded as '1396'. What is the code for 'M' in that language?

Ans A). 6

B). 9

C). 3

D). 1

Correct Answer: B

Q.17 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. Select the pair in which the numbers are related in the same way as are the numbers of the given pairs. (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 /deleting /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.)

6, 42
9, 63

Ans A). 19, 123

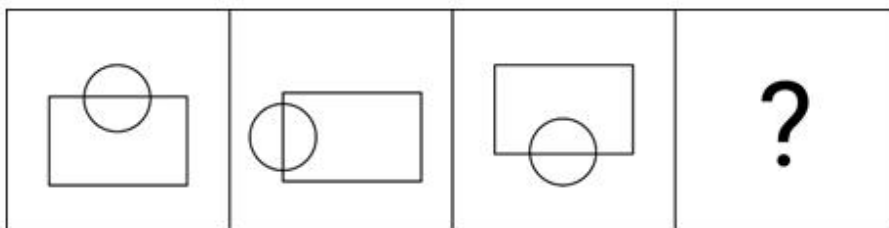
B). 13, 91

C). 17, 102

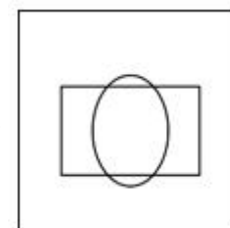
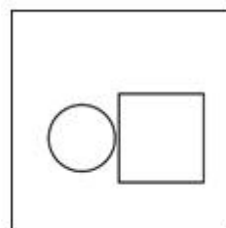
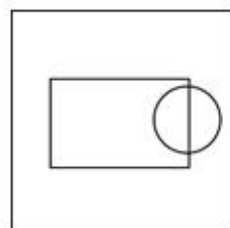
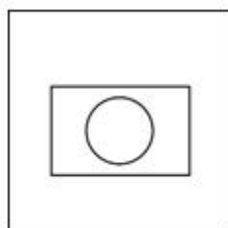
D). 11, 67

Correct Answer: B

Q.18 Identify the figure given in the options which when put in place of (?) will logically complete the series.



Ans



Correct Answer: B

Q.19 T, U, V, W, X, and Y are sitting around a circular table facing the centre (but not necessarily in the same order). U is sitting third to the right of V, who is sitting second to the left of W. Y is not an immediate neighbour of U. T is sitting to the immediate left of V. Who is sitting to the immediate left of T?

Ans A). W

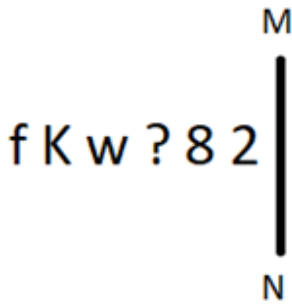
B). X

C). U

D). V

Correct Answer: B

Q.20 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans A). ƒ 2 8 ? w K f B). ƒ 8 ? w K ƒ C). ƒ 8 ? w K ƒ D). 8 2 ? w K ƒ

Correct Answer: B

Section : General Awareness

Q.1 How much money was allotted by the Gujarat government in August 2023 for the One District, One Product (ODOP) Programme to promote its indigenous products at the international level?

- Ans A). ₹58 crore B). ₹10 crore C). ₹100 crore D). ₹25 crore

Correct Answer: A

Q.2 In the context of microfinance in India, the concept of SHG-BLP is used. What does L stand for in SHG-BLP?

- Ans A). Lend B). Linkage C). Link D). Lending

Correct Answer: B

Q.3 In which among the following years was Hindu widow remarriage declared legal in India?

- Ans A). 1893 B). 1856 C). 1899 D). 1872

Correct Answer: B

Q.4 Annapurna Devi is associated with which of the following musical instruments?

- Ans A). Mridangam B). Flute C). Sarangi D). Surbahar

Correct Answer: D

Q.5 Who regarded Vedas as the source of all knowledge and known for the slogan 'Go back to the Vedas'?

- Ans A). Raja Rammohun Roy B). Swami Vivekananda C). Keshav Chandra sen D). Swami Dayanada Saraswati

Correct Answer: D

Q.6 Rigveda is the earliest specimen of:

- Ans A). Indo-African language B). Indian language C). Russian language D). Indo European language

Correct Answer: D

Q.7 What is the length of the men's kabaddi court?

- Ans A). 11 m B). 15 m C). 17 m D). 13 m

Correct Answer: D

Q.8 Which of the given options is rod-shaped, carries genetic information, is visible only at cell division and is present in the nucleus?

- Ans A). Chromosomes B). Lysosomes C). Ribosomes D). Cytoplasm

Correct Answer: A

Q.9 Prerana Shrimali received the Sangeet Natak Akademi Award in which of the following years for her contribution to the Kathak dance form?

- Ans A). 2012 B). 2009 C). 2003 D). 2015

Correct Answer: B

Q.10 Which gas is released when you combine vinegar and baking soda in a balloon, causing it to inflate?

- Ans A). Carbon dioxide B). Hydrogen C). Oxygen D). Nitrogen

Correct Answer: A

Q.11 From 13 September 2023, DMK MP Tiruchi Siva has been appointed the chairperson of the Committee on _____.

- Ans A). Home B). Information Technology C). Transport D). Industry

Correct Answer: D

Q.12 Which of the following Rights is mentioned in Article 21 of the Indian Constitution?

Ans A). Right to Freedom: Protection of life and personal liberty

B). Right against Exploitation: Prohibition of trafficking in human beings and forced labour

C). Right to Equality: Equality before law

D). Right to Freedom of Religion: Freedom to manage religious affairs

Correct Answer: A

Q.13 The Sahitya Akademi award winning novel 'Zindaginama' was written by:

Ans A). Krishna Sobti

B). Amrita Pritam

C). Mahadevi Verma

D). Mannu Bhandari

Correct Answer: A

Q.14 Who among the following is worshipped as Nataraja before many classical dance performances in India?

Ans A). Indra

B). Vishnu

C). Brahma

D). Shiva

Correct Answer: D

Q.15 The famous 'Tripartite struggle' for supremacy occurred between which of the following powers?

Ans A). Sen, Pala and Rashtrakuta

B). Chalukya, Sen and Pratiharas

C). Chouhan, Pala and Gurjar

D). Gurjar-Pratihara, Rashtrakuta and Palas

Correct Answer: D

Q.16 Four resistors of equal resistance R each are connected in various possible ways both in series and/or parallel to get different combined resistances. Which of the following values of resistance cannot be achieved by using all the four resistors?

Ans A). 0.25 R

B). 1.33 R

C). 2 R

D). 2.5 R

Correct Answer: C

Q.17 The remains of Great Bath have been found from the excavation at which of the following Harappan sites?

Ans A). Kalibangan

B). Lothal

C). Harappa

D). Mohenjodaro

Correct Answer: D

Q.18 As per HDI 2021, which of the following neighbouring countries of India had the highest female life expectancy at birth?

Ans A). Bangladesh

B). Maldives

C). Sri Lanka

D). Bhutan

Correct Answer: B

Q.19 What is the retirement age of Judges serving at the Supreme Court of India?

Ans A). 68 years

B). 60 years

C). 65 years

D). 62 years

Correct Answer: C

Q.20 According to the Ministry of Agriculture and Farmers Welfare 2022-23, which state of India is the largest producer of sugarcane?

Ans A). Karnataka

B). Uttar Pradesh

C). Andhra Pradesh

D). Bihar

Correct Answer: B

Q.21 Which of the following peaks is NOT located in the Himalayan mountains?

Ans A). Nanda Devi

B). Kamet

C). Annapurna

D). Kalsubai

Correct Answer: D

Q.22 Chithirai festival of Tamil Nadu is dedicated to which of the following Goddesses?

Ans A). Pidari

B). Mariamman

C). Meenakshi

D). Muneeswaran

Correct Answer: C

Q.23 India won its first Olympic gold in hockey in which of the following years?

Ans A). 1936

B). 1940

C). 1932

D). 1928

Correct Answer: D

Q.24 The National Food Security Act (NFSA) was enacted in which year by the Government of India?

Ans A). 2013

B). 2001

C). 2008

D). 2005

Correct Answer: A

Q.25 Gabbro is an example of which type of rocks?

Ans A). Igneous rock

B). Organically formed sedimentary rock

C). Sedimentary rock

D). Metamorphic rock

Correct Answer: A

Section : English Language and Comprehension

Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence.

The project fell besides due to lack of funding and support.

Ans A). fell along due to lack

B). fell about due to lack

C). fell until due to lack

D). fell through due to lack

Correct Answer: D

Q.2 Select the most appropriate synonym of the given word.
Panacea

Ans A). Survey B). Remedy C). Pressure D). Miracle

Correct Answer: B

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
My sister-in-law is the most succeeded for all the industrialists in this country today.

Ans A). in this country today B). My sister-in-law is the most C). the industrialists D). succeeded for all

Correct Answer: D

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I hope that / yesterday's lunch / at Rahul's place / was at your liking.

Ans A). I hope that B). at Rahul's place C). was at your liking. D). yesterday's lunch

Correct Answer: C

Q.5 Select the most appropriate synonym of the underlined word in the given sentence.
The lenient ways of the manager prompted substandard work from his subordinates.

Ans A). ignorant B). easygoing C). irritating D). insane

Correct Answer: B

Q.6 Select the INCORRECTLY spelt word.

Ans A). Addict B). Crazy C). Medicin D). Eighty

Correct Answer: C

Q.7 Select the appropriate option that can substitute the underlined idiom in the given sentence.

Everyone says that waking up early in the morning is beneficial for our health and overall well-being. But it is easier said than done.

Ans A). a life filled with excitement B). a step towards better health C). to start performing better than before D). not as easy as it seems to be

Correct Answer: D

Q.8 Select the most appropriate synonym of the underlined word.
The management gave kudos to Jithin for his performance.

Ans A). praise B). criticism C). punishment D). admonishment

Correct Answer: A

Q.9 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 required'.

The White man had to swallow his bombast and have completed the journey in mortified.

Ans A). complete the journey in mortification B). No substitution required C). completing the mortifying journey
D). completes the journey mortifying

Correct Answer: A

Q.10 Select the most appropriate synonym of the given word.
Hamper

Ans A). Urge B). Hinder C). Accuse D). Absorb

Correct Answer: B

Q.11 Select the most appropriate option to fill in the blank.
During the meeting, the employer's _____ was clear as he calmly addressed each team member's concerns and provided insightful solutions.

Ans A). composes B). compose C). composure D). composed

Correct Answer: C

Q.12 Select the most appropriate option to fill in the blank.
The new intern was eager to learn the _____ of the corporate world.

Ans A). rides B). tides C). flies D). ropes

Correct Answer: D

Q.13 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
While she / was watched / the movie, / her phone rang.

Ans A). her phone rang B). While she C). was watched D). the movie,

Correct Answer: C

Q.14 Select the correct spelling of the underlined word in the given sentence.

The flight was about to take off when suddenly the authorities came to ensure the record of the maintanance department.

Ans A). maintnance B). maintainance C). maintenance D). maintainence

Correct Answer: C

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Sarah / will singing / at the concert / on Saturday.

Ans A). Sarah B). will singing C). at the concert D). on Saturday

Correct Answer: B

Q.16 Select the most appropriate verb / verb phrase to fill in the blank.
In 2030, advancements in technology _____ the way we live, work and interact with each other.

Ans A). could be reshaped B). shall have been reshaped C). will be reshaping D). have reshaped

Correct Answer: C

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
They were / interested / on / learning new languages.

Ans A). learning new languages B). interested C). They were D). on

Correct Answer: D

Q.18 Select the INCORRECTLY spelt word.

Ans A). Posthumous B). Extraneous C). Colloquiel D). Quiescent

Correct Answer: C

Q.19 Select the most appropriate option to fill in the blank.

The way she elaborated on every detail with precision impressed everyone _____ the meeting.

Ans A). off B). above C). at D). into

Correct Answer: C

Q.20 Select the most appropriate synonym of the following word.

Reluctant

Ans A). Unrelenting B). Unwilling C). Curious D). Pleasant

Correct Answer: B

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.

A phobia is an irrational fear of an object, situation or living thing. While fear is (1)_____ natural response to danger, phobias often occur (2)_____ response to something unlikely to cause real harm. In some cases, a person with a (3)_____ will meet the diagnostic criteria for a specific phobia, which is a type of anxiety disorder. Someone with a specific phobia will (4)_____ intense fear and anxiety when confronted with the source of the phobia, which could include blood, heights or specific animals like dogs. Phobias are (5)_____ by significant distress and often cause a person to avoid the source of their fear or suffer from extreme anxiety when faced with it. Someone experiencing a phobia that is interfering with everyday life should consider undergoing treatment for their phobia, as outcomes for professional care are typically favourable.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

Ans A). one B). a C). those D). these

Correct Answer: B

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.

A phobia is an irrational fear of an object, situation or living thing. While fear is (1)_____ natural response to danger, phobias often occur (2)_____ response to something unlikely to cause real harm. In some cases, a person with a (3)_____ will meet the diagnostic criteria for a specific phobia, which is a type of anxiety disorder. Someone with a specific phobia will (4)_____ intense fear and anxiety when confronted with the source of the phobia, which could include blood, heights or specific animals like dogs. Phobias are (5)_____ by significant distress and often cause a person to avoid the source of their fear or suffer from extreme anxiety when faced with it. Someone experiencing a phobia that is interfering with everyday life should consider undergoing treatment for their phobia, as outcomes for professional care are typically favourable.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

Ans A). on B). in C). of D). at

Correct Answer: B

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.

A phobia is an irrational fear of an object, situation or living thing. While fear is (1) _____ natural response to danger, phobias often occur (2) _____ response to something unlikely to cause real harm. In some cases, a person with a (3) _____ will meet the diagnostic criteria for a specific phobia, which is a type of anxiety disorder. Someone with a specific phobia will (4) _____ intense fear and anxiety when confronted with the source of the phobia, which could include blood, heights or specific animals like dogs. Phobias are (5) _____ by significant distress and often cause a person to avoid the source of their fear or suffer from extreme anxiety when faced with it. Someone experiencing a phobia that is interfering with everyday life should consider undergoing treatment for their phobia, as outcomes for professional care are typically favourable.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

Ans A). violence B). danger C). phobia D). trouble

Correct Answer: C

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.

A phobia is an irrational fear of an object, situation or living thing. While fear is (1) _____ natural response to danger, phobias often occur (2) _____ response to something unlikely to cause real harm. In some cases, a person with a (3) _____ will meet the diagnostic criteria for a specific phobia, which is a type of anxiety disorder. Someone with a specific phobia will (4) _____ intense fear and anxiety when confronted with the source of the phobia, which could include blood, heights or specific animals like dogs. Phobias are (5) _____ by significant distress and often cause a person to avoid the source of their fear or suffer from extreme anxiety when faced with it. Someone experiencing a phobia that is interfering with everyday life should consider undergoing treatment for their phobia, as outcomes for professional care are typically favourable.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans A). horizon B). aspire C). dream D). experience

Correct Answer: D

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.

A phobia is an irrational fear of an object, situation or living thing. While fear is (1) _____ natural response to danger, phobias often occur (2) _____ response to something unlikely to cause real harm. In some cases, a person with a (3) _____ will meet the diagnostic criteria for a specific phobia, which is a type of anxiety disorder. Someone with a specific phobia will (4) _____ intense fear and anxiety when confronted with the source of the phobia, which could include blood, heights or specific animals like dogs. Phobias are (5) _____ by significant distress and often cause a person to avoid the source of their fear or suffer from extreme anxiety when faced with it. Someone experiencing a phobia that is interfering with everyday life should consider undergoing treatment for their phobia, as outcomes for professional care are typically favourable.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans A). classified B). qualified C). characterised D). categorised

Correct Answer: C