

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

Exam Date	01/10/2024
Exam Time	9:00 AM - 11:00 AM
Subject	MTS Non Tech Havaladar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 Find the area of the quadrilateral ABCD, the coordinates of whose vertices are A(6,-3),B(-4,-2),C(3,1) and D(5,0)?

Ans A). 21 unit² B). 30 unit² C). 25 unit² D). 16 unit² **Correct Answer: A**

Q.2 A cylindrical disc of thickness 1 cm is made by melting two solid cylinders of radii 4 cm and 5 cm, and length 6 cm and 4 cm, respectively. The radius of the new cylinder is:

Ans A). 7 cm B). 21 cm C). 14 cm D). 28 cm **Correct Answer: C**

Q.3 Two successive increases of 15% each, is by what percentage more than the two successive decreases of 12% each? (Rounded off to 2 decimal places)

Ans A). 30.56% B). 42.95% C). 28.25% D). 22.12% **Correct Answer: B**

Q.4 The average weight of a certain number of students in a group was 72 kg. If 11 students, with an average weight of 76 kg each, leave the group, and 5 students, each with an average weight of 79 kg, join the group, the average weight of the students in the group decreases by 0.6 kg. The number of students initially in the group was:

Ans A). 21 B). 25 C). 17 D). 19 **Correct Answer: A**

Q.5 What sum (in ₹) will earn a simple interest of ₹240 in 4 years at 12% per year rate of interest?

Ans A). 250 B). 1000 C). 500 D). 750 **Correct Answer: C**

Q.6 Two mixers and one TV cost ₹7,000, while two TVs and one mixer cost ₹9,800. The value of one TV is:

Ans A). ₹3,600 B). ₹4,600 C). ₹3,200 D). ₹4,200 **Correct Answer: D**

Q.7 Refer to the given table and answer the question that follows.

Year	Company's % profit
2017	30
2018	10
2019	20
2020	15
2021	25

What was the revenue of the company if its expenditure was ₹600 crores in the year when its percentage profit was the maximum?

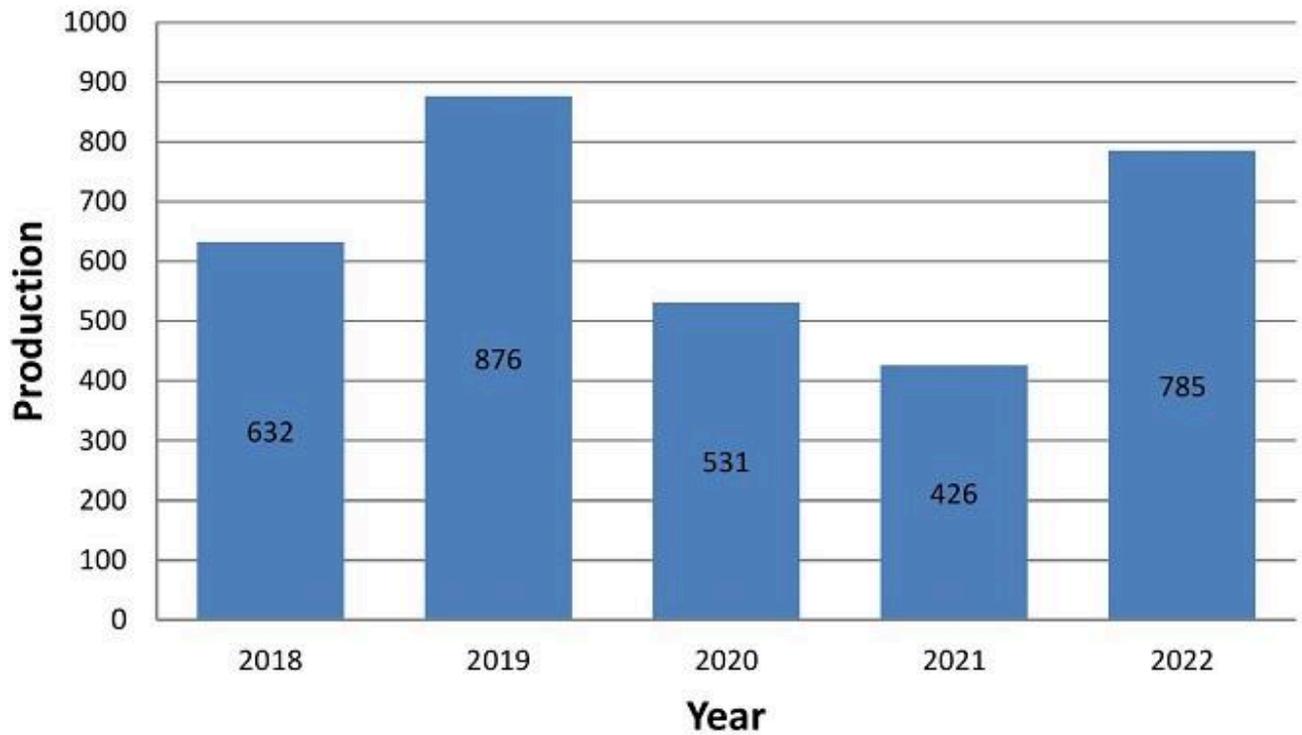
Ans A). ₹780 crores B). ₹800 crores C). ₹760 crores D). ₹820 crores **Correct Answer: A**

Q.8 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 7% per year rate of interest for 5 years.

Ans A). 815 B). 875 C). 915 D). 835 **Correct Answer: B**

Q.9	The least number of square tiles required to pave the ceiling of a room 525 centimetre long and 378 centimetre broad is:			
Ans A).	178	B). 150	C). 380	D). 450
				Correct Answer: D
Q.10	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 20%?			
Ans A).	2.82	B). 4.82	C). 1.82	D). 3.82
				Correct Answer: C
Q.11	A grocer mixes two varieties of tea worth ₹120/kg and ₹125/kg in a ratio to produce a new variety worth ₹122/kg. What is the ratio of the varieties to be mixed to obtain the new variety?			
Ans A).	2 : 5	B). 4 : 4	C). 1 : 3	D). 3 : 2
				Correct Answer: D
Q.12	A retailer allows a trade discount of 25% and a further discount of 8% on the marked price of the products, if paid along with his shop's membership card. He makes a net profit of 15% on the cost. By what percentage are the products marked up by him?			
Ans	A). $66\frac{2}{3}\%$	B). $84\frac{1}{3}\%$	C). $59\frac{2}{3}\%$	D). $46\frac{1}{3}\%$
				Correct Answer: A
Q.13	Ravi goes to college from his village at the speed of 5km/h and returns at the speed of 4km/h. If he takes 9 hours in all, find the distance (in km) between the village and the college.			
Ans A).	20	B). 40	C). 18	D). 9
				Correct Answer: A
Q.14	Two trains running towards each other on parallel tracks, at speeds of 45 km/hr and 51 km/hr, take 21 seconds to cross each other. If the length of one train is 290 m, then the length (in m) of the other train is:			
Ans A).	250	B). 290	C). 230	D). 270
				Correct Answer: D
Q.15	The ratio of the present ages of Ram and Shyam is 3 : 4, and 4 years ago the ratio was 2 : 3. What will be the ratio of the ages of Ram and Shyam 4 years from now?			
Ans A).	4 : 5	B). 1 : 5	C). 2 : 5	D). 3 : 5
				Correct Answer: A
Q.16	A borrows ₹89,500 for 3 years at 7% p.a. simple interest. B borrows the same amount at simple interest of 9% for the first year, 8% for the second year, and 7% for the third year. What is the total simple interest (in ₹) paid by A and B?			
Ans A).	45,027	B). 47,025	C). 42,075	D). 40,275
				Correct Answer: D
Q.17	The average of 9 numbers is 3. If the average of the first 8 of these numbers is 2, the 9 th number is:			
Ans A).	11	B). 12	C). 14	D). 15
				Correct Answer: A
Q.18	A cylindrical tank of height 10 m and radius 5 m has a small circular cut of 0.5 m radius on its top surface. What would be the total surface area of the tank?			
Ans	A). $\frac{599\pi}{4} m^2$	B). $156\pi m^2$	C). $\frac{299\pi}{2} m^2$	D). $150\pi m^2$
				Correct Answer: A

Q.19 The given bar graph shows the production of onions (in quintals) from the year 2018 to 2022. Study the graph and answer the question that follows.



Considering the average production during this period, the number of years in which the production is above the average is:

Ans A). 2 B). 3 C). 1 D). 4 **Correct Answer: A**

Q.20 Find the average of 300, 129, 49, 120 and 102.

Ans A). 130 B). 120 C). 150 D). 140 **Correct Answer: D**

Section : Reasoning Ability and Problem Solving

Q.1 P, Q, R, S, T and U are sitting around a circular table facing the centre (but not necessarily in the same order). P is second to the left of T. Q is an immediate neighbour of both U and P. S and P are immediate neighbours. Who among the following has both T and U as his immediate neighbours?

Ans A). S B). R C). Q D). P **Correct Answer: B**

Q.2 UBIP is related to YFMT in a certain way based on the English alphabetical order. In the same way, IPWD is related to MTAH. To which of the following is OVCJ related, following the same logic?

Ans A). SZGN B). SMGJ C). SJZM D). SZMG **Correct Answer: A**

Q.3 In a certain code language, 'TALE' is coded as '5173' and 'AIDS' is coded as '6452'. What is the code for 'A' in the given code language?

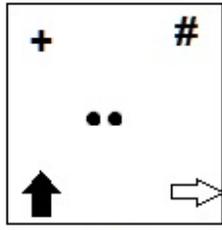
Ans A). 6 B). 5 C). 1 D). 2 **Correct Answer: B**

Q.4 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

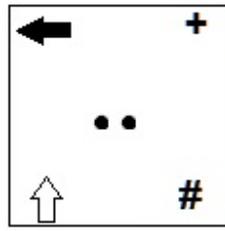
TKU, UNP, VQK, WTF, ?

Ans A). XXA B). WAW C). XWA D). YXB **Correct Answer: C**

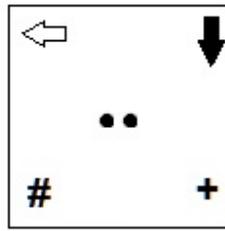
Q.5 Select the figure given in the options which when put in place of the question mark (?) will logically complete the series.



(i)



(ii)

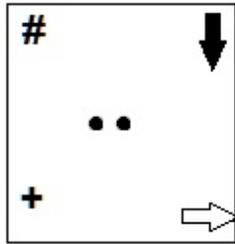


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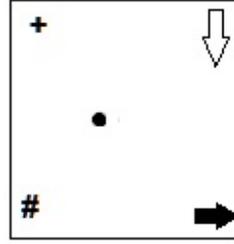
?

(iv)

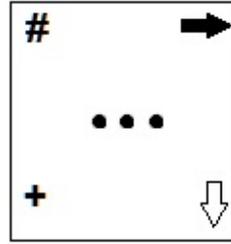
Ans



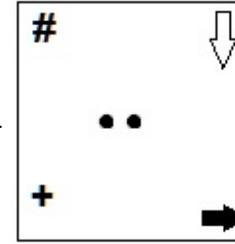
A).



B).



C).



D).

Correct Answer: D

Q.6 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 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.)

(12, 4, 160)
(6, 11, 157)

Ans A). (6, 15, 90)

B). (14, 7, 245)

C). (21, 4, 168)

D). (9, 15, 90)

Correct Answer: B

Q.7 GY 16 is related to DV 23 in a certain way. In the same way, OD 11 is related to LA 18. To which of the following is LW 13 related, following the same logic?

Ans A). IT 20

B). IS 20

C). HS 20

D). HT 19

Correct Answer: A

Q.8 What should come in place of the question mark (?) in the given series?

53, 52, 39, 38, ?, 24

Ans A). 23

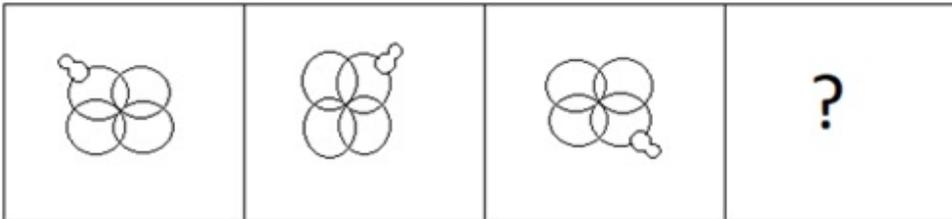
B). 25

C). 26

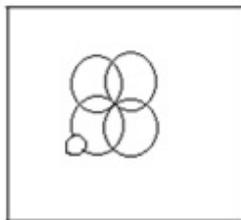
D). 28

Correct Answer: B

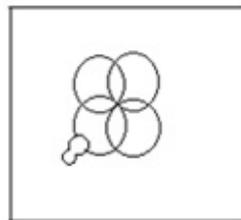
Q.9 Select the figure that will come next in the following figure series.



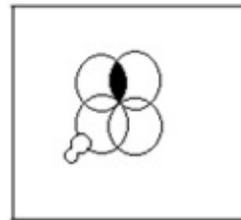
Ans



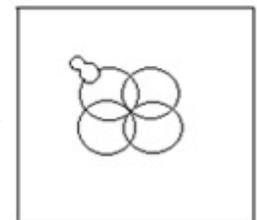
A).



B).



C).



D).

Correct Answer: B

Q.10 Which of the following interchanges of signs would make the given equation correct?
 $15 - 54 \times 18 + 16 \div 2 = 44$

Ans A). - and +

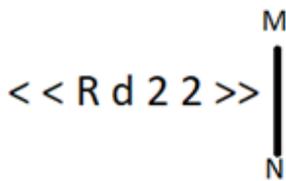
B). + and ×

C). ÷ and ×

D). - and ÷

Correct Answer: C

Q.18 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans A). << 5 5 b R >> B). >> 5 5 b R >> C). << 5 5 b R << D). << 2 2 >> >> R d 2 2 >>

Correct Answer: A

Q.19 18 is related to 80 following a certain logic. Following the same logic, 23 is related to 100. To which of the following is 36 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). 138 B). 144 C). 152 D). 142 Correct Answer: C

Q.20 Seven people A, B, C, D, E, F and G are sitting around a circular table, facing the center (but not necessarily in the same order). G is sitting third to the left of E. A is sitting to the immediate left of G. D is the immediate neighbour of A and B. F is sitting to the immediate left of C.

How many people are sitting between F and D when counted from the right of F?

Ans A). Three B). Two C). Five D). Four Correct Answer: A

Section : General Awareness

Q.1 A party recognised by the Election Commission of India that secures at least _____ of the total votes in the General Election to Lok Sabha or Legislative Assembly in four or more states in addition to winning four Lok Sabha seats is called a National Party.

Ans A). eight per cent B). three per cent C). one per cent D). six per cent Correct Answer: D

Q.2 Which musical duo is part of the Khayal singing lineage of the Banaras Gharana?

Ans A). Rajan and Sajan Mishra B). Salamat Ali and Nazakat Ali Khan C). Subhan Kasim and Subhan Bab D). Sandhya and Prasun Banerjee

Correct Answer: A

Q.3 The IUPAC name of $\text{CH}_3-(\text{CH}_2)_{18}-\text{CH}_3$ is _____.

Ans A). triacontane B). decane C). icosane D). dodecane Correct Answer: C

Q.4 Which of the following can be a basis of difference between a salamander and a house-wall lizard apart from their habitat?

Ans A). Egg-laying feature B). Cold-blood C). Scales on the skin D). Three-chambered heart Correct Answer: C

Q.5 Which of the following novels is NOT written by Aravind Adiga?

Ans A). Last Man in Tower B). The English Teacher C). The White Tiger D). Selection Day Correct Answer: B

Q.6 In which stadium did Indian cricketer Saurav Ganguly take off and waive his t-shirt?

Ans A). Cape Town Stadium, South Africa B). Lord's Stadium, England C). The Melbourne Cricket Ground, Australia D). Perth Stadium, Australia Correct Answer: B

Q.7 The PM-SVANidhi Scheme (2020) is run by which Ministry of the Government of India?

Ans A). Ministry of Labour and Employment B). Ministry of Finance C). Ministry of Housing and Urban Affairs D). Ministry of Rural Development

Correct Answer: C

Q.8 After which of the following Acts did India come to be governed in the name of the British crown?

Ans A). Government of India Act, 1919 B). Government of India Act, 1858 C). Charter Act of 1853 D). Charter Act of 1833 Correct Answer: B

Q.9 Hornbill festival is organised every year in which of the following states?

Ans A). Nagaland B). Sikkim C). Tripura D). Goa Correct Answer: A

Q.10	At the Sansad Ratna Awards 2023, who among the following received the Dr. APJ Abdul Kalam Lifetime Achievement Award?			
Ans A).	Nagendra Singh	B). HD Deve Gowda	C). Laxminarayan Yadav	D). TK Rangarajan
				Correct Answer: D
Q.11	When was National Judicial Commission Bill, which is a private member bill to regulate the appointment of judges through the National Judicial Commission, introduced in Rajya Sabha?			
Ans A).	August 2023	B). July 2023	C). March 2022	D). December 2022
				Correct Answer: D
Q.12	The Mughal emperor, Babur was a devotee of the _____ Sufi Silsila.			
Ans A).	Naqshbandi	B). Suhrawardi	C). Qadri	D). Chisti
				Correct Answer: A
Q.13	Which of the following dances of Goa is performed to celebrate the victory of the Maratha warriors over the Portuguese?			
Ans A).	Ghodemodni	B). Zemmado	C). Morulem	D). Goff
				Correct Answer: A
Q.14	Which of the following Kathak dancers received the Padma Shri of 2022?			
Ans A).	Shakti and Mukti Mohan	B). Sunayana Hazarlal Agrawal	C). Shovana Narayan	D). Kamalini and Nalini Asthana
				Correct Answer: D
Q.15	The Bidar Fort of Karnataka is irregularly _____ in shape.			
Ans A).	rhomboid	B). circular	C). rectangular	D). square
				Correct Answer: A
Q.16	A coastal area was flooded with sea water and resulted in heavy salt deposits in the nearby area. After a few days, it was observed that many plants died. Based on these statements, which of the following is the most probable cause of the plant deaths?			
	<p>A. Plants died due to infection from sea water borne germs. B. Plants died due to absence of sunlight. C. Plants died due to plasmolysis in the plant cells. D. Plants died because they were eaten by sea organisms.</p>			
Ans A).	A	B). C	C). D	D). B
				Correct Answer: B
Q.17	According to Indian Meteorology, which of the following is NOT a season experienced in India?			
Ans A).	The southwest monsoon season	B). The hot weather season	C). Equatorial season	D). The cold weather season
				Correct Answer: C
Q.18	Bawris are traditionally used for:			
Ans A).	storing and recharging water	B). getting useful minerals	C). getting petroleum oil	D). collecting garbage
				Correct Answer: A
Q.19	Who was the Indian match referee in the ICC - T20 World Cup 2021 tournament?			
Ans A).	Rahul Dravid	B). Venkatesh Prasad	C). Sunil Gavaskar	D). Javagal Srinath
				Correct Answer: D
Q.20	The Universal Adult Franchise in Indian Constitution is applicable to Indian Citizens from the age of _____.			
Ans A).	18 years	B). 22 years	C). 21 years	D). 17 years
				Correct Answer: A
Q.21	Who among the following deciphered the Brahmi Script of the Mauryan period?			
Ans A).	James Mill	B). James Prinsep	C). Rakhil Das Banerji	D). Herbert Hope Risley
				Correct Answer: B
Q.22	In general, deficit is considered as a _____ concept.			
Ans A).	surplus	B). stock	C). margin	D). flow
				Correct Answer: D
Q.23	Who was appointed as the Viceroy of India in place of Lord Wavell in February 1947?			
Ans A).	Lord Willingdon	B). Lord Linlithgow	C). Lord Irwin	D). Lord Mountbatten
				Correct Answer: D
Q.24	Which of the following age groups is considered as working population or working age in India?			
Ans A).	15-40 years	B). 0-60 years	C). 15-59 years	D). 25-65 years
				Correct Answer: C
Q.25	What is the approx width of broad-gauge railway network in India?			
Ans A).	1.3 metres	B). 1.6 metres	C). 1 metre	D). 1.2 metres
				Correct Answer: B

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

Raghav, who studies tourism at present, is planning to go abroad after his graduation.

Ans A). will study B). study C). studied D). is studying

Correct Answer: D

Q.2 Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.

The disposal of hazardous waste in hospitals and factories is a serious problem and needs to be taken care of urgently.

Ans A). dangerous B). belligerent C). hazy D). benign

Correct Answer: A

Q.3 Select the present perfect tense of the verb given in the brackets to fill in the blank.

Alex _____ (study) two programming languages.

Ans A). has studied B). have study C). has been studying D). had studied

Correct Answer: A

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

The teacher checked / whether each of them / have a blanket / as it was a cold night.

Ans A). have a blanket B). as it was a cold night C). The teacher checked D). whether each of them

Correct Answer: A

Q.5 Select the most appropriate synonym of 'scanty' in the sentence given below.

India has varied regions which have excess, moderate and deficient rainfall all through the year.

Ans A). Excess B). Moderate C). Deficient D). Varied

Correct Answer: C

Q.6 Select the correctly spelt word to fill in the blank.

Arvind wanted to bake a cake for Riya's birthday, so he mixed the _____, eggs and butter.

Ans A). flauer B). flower C). flour D). flover

Correct Answer: C

Q.7 Select the INCORRECTLY spelt word from the given sentence.

The gardener's meticulous care ensured the vibrent colours of the flowers.

Ans A). Vibrent B). Gardener's C). Care D). Meticulous

Correct Answer: A

Q.8 Select the most appropriate option to fill in the blank.

Please put the dishes in the _____ after you finish eating.

Ans A). sink B). shrink C). cinque D). sync

Correct Answer: A

Q.9 Select the INCORRECTLY spelt word.

Ans A). perepharal B). belated C). tentative D). stringent

Correct Answer: A

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

Inspire

Ans A). Reach B). Stimulate C). Aspire D). Daunt

Correct Answer: B

Q.11 Select the option that rectifies the spelling error in the given sentence.

The student received an A+ for her exellent performance.

Ans A). performence B). excellent C). performance D). excelleant

Correct Answer: B

Q.12 Select the most appropriate option to fill in the blank.

The _____ of the scientific experiment raised questions about the validity of the results.

Ans A). transparency B). ambiguity C). verbosity D). meticulousness

Correct Answer: B

Q.13 Select the most appropriate option to fill in the blank.

The student leader has _____ politics recently.

Ans A). approached B). entered C). gathered D). jumped

Correct Answer: B

Q.14 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.
I am / cleaning the sofa / when she called me.

Ans A). cleaning the sofa B). when she called me C). No error D). I am **Correct Answer: D**

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The society / of the / our place / is good.

Ans A). is good B). our place C). The society D). of the **Correct Answer: D**

Q.16 Select the most appropriate expression that can substitute the underlined word in the given sentence.
Sonali is contemplating whether to accept the offer from Saanvi or not; she is still not in a position to be able to arrive at a decision.

Ans A). raising the eyebrows B). blowing hot and cold C). getting her act together D). chewing the cud **Correct Answer: D**

Q.17 Select the most appropriate option that can substitute the underlined segment in the sentence.

She was deeply effected by the news, to the point of tears.

Ans A). affect from B). effected from C). affected of D). affected by **Correct Answer: D**

Q.18 You overhear someone say, "He's always on cloud nine." What does this idiom mean in the given context?

Ans A). Often absent B). Extremely happy C). Frequently daydreaming D). Always busy **Correct Answer: B**

Q.19 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.

She is / as more intelligent as / her brothers are.

Ans A). She is B). No error. C). her brothers are. D). as more intelligent as **Correct Answer: D**

Q.20 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

He dropped out / at his friend's house / on his way home / the day before yesterday.

Ans A). on his way home B). at his friend's house C). the day before yesterday D). He dropped out **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.

It was one January morning, very early — a pinching, frosty morning — the cove all grey ____ 1 ____ hoar-frost and the ripple lapping softly on the stones. The captain had ____ 2 ____ earlier than usual and set out down the beach. Mother was upstairs with father and I was ____ 3 ____ the breakfast table against the captain's return when the parlour door opened and a man stepped in on whom I had never set my eyes before. He was a pale, tallowy creature, wanting two fingers of the left hand, and ____ 4 ____ he wore a cutlass, he did not look much like a fighter. I had always my eye open for seafaring ____ 5 ____ with one leg or two, and I remember this one puzzled me.

SubQuestion No : 21

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

Ans A). with B). among C). amongst D). about **Correct Answer: A**

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.

It was one January morning, very early — a pinching, frosty morning — the cove all grey ____ 1 ____ hoar-frost and the ripple lapping softly on the stones. The captain had ____ 2 ____ earlier than usual and set out down the beach. Mother was upstairs with father and I was ____ 3 ____ the breakfast table against the captain's return when the parlour door opened and a man stepped in on whom I had never set my eyes before. He was a pale, tallowy creature, wanting two fingers of the left hand, and ____ 4 ____ he wore a cutlass, he did not look much like a fighter. I had always my eye open for seafaring ____ 5 ____ with one leg or two, and I remember this one puzzled me.

SubQuestion No : 22

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

Ans A). danced B). risen C). written D). waltzed **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.

It was one January morning, very early — a pinching, frosty morning — the cove all grey ____ 1 ____ hoar-frost and the ripple lapping softly on the stones. The captain had ____ 2 ____ earlier than usual and set out down the beach. Mother was upstairs with father and I was ____ 3 ____ the breakfast table against the captain's return when the parlour door opened and a man stepped in on whom I had never set my eyes before. He was a pale, tallowy creature, wanting two fingers of the left hand, and ____ 4 ____ he wore a cutlass, he did not look much like a fighter. I had always my eye open for seafaring ____ 5 ____ with one leg or two, and I remember this one puzzled me.

SubQuestion No : 23

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

Ans A). lying B). laying C). throwing D). playing

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.

It was one January morning, very early — a pinching, frosty morning — the cove all grey ____ 1 ____ hoar-frost and the ripple lapping softly on the stones. The captain had ____ 2 ____ earlier than usual and set out down the beach. Mother was upstairs with father and I was ____ 3 ____ the breakfast table against the captain's return when the parlour door opened and a man stepped in on whom I had never set my eyes before. He was a pale, tallowy creature, wanting two fingers of the left hand, and ____ 4 ____ he wore a cutlass, he did not look much like a fighter. I had always my eye open for seafaring ____ 5 ____ with one leg or two, and I remember this one puzzled me.

SubQuestion No : 24

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

Ans A). through B). throw C). though D). threw

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.

It was one January morning, very early — a pinching, frosty morning — the cove all grey ____ 1 ____ hoar-frost and the ripple lapping softly on the stones. The captain had ____ 2 ____ earlier than usual and set out down the beach. Mother was upstairs with father and I was ____ 3 ____ the breakfast table against the captain's return when the parlour door opened and a man stepped in on whom I had never set my eyes before. He was a pale, tallowy creature, wanting two fingers of the left hand, and ____ 4 ____ he wore a cutlass, he did not look much like a fighter. I had always my eye open for seafaring ____ 5 ____ with one leg or two, and I remember this one puzzled me.

SubQuestion No : 25

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

Ans A). plants B). birds C). men D). flowers

Correct Answer: C