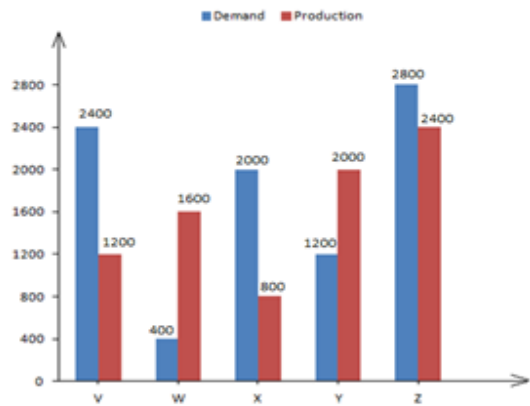


Multi Tasking Non Technical Staff and Havaladar CBIC and CBN Examination 2024

Exam Date	04/11/2024
Exam Time	4:00 PM - 5:30 PM
Subject	MTS Non Tech Havaladar 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 A). 100
- B). 75
- C). 50
- D). 125
- Correct Answer: A

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

- Ans A). 340
- B). 260
- C). 240
- D). 300
- Correct Answer: D

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 A). $\frac{1}{400}$
- B). $\frac{1}{8000}$
- C). $\frac{1}{20}$
- D). $\frac{1}{64000}$
- Correct Answer: B

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 A). 5 years
- B). 3 years
- C). 4 years
- D). 2 years
- Correct Answer: B

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 A). $\frac{13}{21}$
- B). $\frac{11}{16}$
- C). $\frac{12}{13}$
- D). $\frac{11}{15}$
- Correct Answer: D

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 A).	30%	B). 20%	C). 15%	D). 25%
Correct Answer: D				
Q.7	A train travelling at a speed of 36 km/h crosses a pole in 24 sec. What is the length of the train?			
Ans A).	1.5 m	B). 300 m	C). 240 m	D). 30 m
Correct Answer: C				
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 A).	315	B). 75	C). 55	D). 65
Correct Answer: C				
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 A).	60%	B). 120%	C). 100%	D). 80%
Correct Answer: C				
Q.10	The curved surface area of a solid cylinder is 605 cm ² . 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 A).	20.8	B). 24.8	C). 24.5	D). 25
Correct Answer: B				
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 A).	18	B). 24	C). 36	D). 42
Correct Answer: C				
Q.12	Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 8% per year rate of interest for 3 years.			
Ans A).	640	B). 540	C). 600	D). 560
Correct Answer: C				
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 A).	8	B). 7	C). 9	D). 6
Correct Answer: A				
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 A).	9 : 2	B). 13 : 2	C). 2 : 9	D). 2 : 13
Correct Answer: D				
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 A).	31	B). 33	C). 30	D). 28
Correct Answer: A				
Q.16	If 80 workers took 25 days to finish a task,how many days will it take to finish the same task if 20 more workers join?			
Ans A).	12	B). 16	C). 8	D). 20
Correct Answer: D				

Q.17 The x and y co-ordinates of six points are tabulated as below. Observe the table carefully and answer the given question.

Points	X-co-ordinate	Y-co-ordinate
A	15	42
B	20	46
C	18	44
D	16	48
E	21	50
F	22	52

Find the distance between F and C.

Ans A). $\sqrt{80}$ units B). $\sqrt{42}$ units C). $\sqrt{8}$ units D). $\sqrt{13}$ units **Correct Answer: A**

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 A). 193 B). 173 C). 183 D). 198 **Correct Answer: C**

Q.19 The area of a right-angled triangle is 80m^2 . If its perpendicular is equal to 20 m, then find its base.

Ans A). 4 m B). 3 m C). 6 m D). 8 m **Correct Answer: D**

Q.20 Mr Rao purchased a laptop for ₹45,000. After a few months, as his office provided another laptop, he sold it at a loss of 12% to Mrs Sharma. After one year, she sold it to an engineering student for a profit of 12%. What is the amount the student had to pay?

Ans A). ₹45,000 B). ₹34,848 C). ₹44,352 D). ₹56,448 **Correct Answer: C**

Section : Reasoning Ability and Problem Solving

Q.1 In a certain code language, 'ABROAD' is coded as 'WZLIYZ' and 'ADVISE' is coded as 'VHREWZ'. How will 'AGENDA' be coded in the same language?

Ans A). ZWNVUZ B). ZTWMWY C). ZWMVTZ D). ZTVMWZ **Correct Answer: C**

Q.2 EBHD is related to IFLH in a certain way based on the English alphabetical order. In the same way, JGMI is related to NKQM. To which of the following is OLRN related, following the same logic?

Ans A). PSVR B). SPVR C). PSRV D). SPRV **Correct Answer: B**

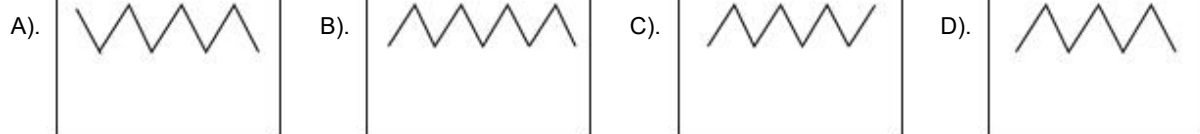
Q.3 Six persons – Rahul, Ram, Ranjan, Reena, Rohit and Rupali – are sitting around a circular table facing the centre, but not necessarily in the same order. Rupali is sitting second to the right of Ram, who is Reena's immediate neighbour. Rohit is not an immediate neighbour of Reena. Rahul is an immediate neighbour of both, Rupali and Ram. Who is sitting second to the left of Ram?

Ans A). Reena B). Rupali C). Rahul D). Ranjan **Correct Answer: D**

Q.4 Identify the figure from the given options that can replace the question mark (?) and logically complete the series.



Ans **Correct Answer: D**



Q.5 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and 'x' and '-' are interchanged?
 $88 \div 18 \times 28 + 4 - 14 = ?$

Ans A). 8 B). 18 C). -2 D). 28 **Correct Answer: A**

Correct Answer: C

2, 3, 6 ,11, 18 ,?

Ans A). 31 B). 29 C). 27 D). 30 **Correct Answer: C**

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 A). ko B). rj C). pi D). ki **Correct Answer: C**

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

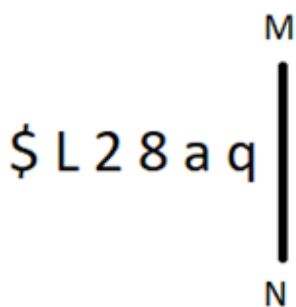
Q.10 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

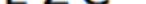
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/ subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3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

246, 123
448, 224

Ans A). 624, 312 B). 102, 226 C). 325, 96 D). 444, 66 **Correct Answer: A**

Q.11 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans A).  B).  C).  D). 

Correct Answer: D

Q.12 In a certain code language, 'call you back' is written as 'rt yw fg' and 'back is paining' is written as 'yw fb gt'. How is 'back' written in the given language?

Ans A). yw B). rt C). fb D). fg Correct Answer: A

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 A). 234 B). 238 C). 226 D). 222 **Correct Answer: C**

Q.20 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HXS, JVQ, LTO, NRM, ?

Ans A). PPM B). PNQ C). PPK D). OPD **Correct Answer: C**

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 A). Mohiniyattam B). Bharatanatyam C). Kathakali D). Kuchipudi **Correct Answer: B**

Q.2 Who became the first female armless archer to win a medal at the Para World Championship event, 2023?

Ans A). Seema Devi B). Shreya Devi C). Shikha Devi D). Sheetal Devi **Correct Answer: D**

Q.3 Which of the following options represents the correct flow of energy in an ecosystem?

Ans A). Sunlight → Herbivores → Carnivores → Producers B). Sunlight → Carnivores → Producers → Herbivores
C). Sunlight → Producers → Herbivores → Carnivores D). Sunlight → Herbivores → Producers → Carnivore **Correct Answer: C**

Q.4 At 10×10^4 Pa pressure and 300 K temperature, the volume of 0.09 mol CO_2 gas is $22.4 \times 10^{-3} \text{ m}^3$. What will be the volume of the gas if the pressure is decreased to 2×10^4 Pa?

Ans A). $56.3 \times 10^{-3} \text{ m}^3$ B). $112.0 \times 10^{-3} \text{ m}^3$ C). $37.4 \times 10^{-3} \text{ m}^3$ D). $28.1 \times 10^{-3} \text{ m}^3$ **Correct Answer: B**

Q.5 In 1990, who established Nrityagram, a dance school in Bengaluru?

Ans A). Madhavi Mudgal B). Protima Gauri Bedi C). Mukti Mohan D). Rekha Raju **Correct Answer: B**

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 A). PM USHA B). PM Ullas C). PM Vishwakarma D). PM Swanidhi **Correct Answer: C**

Q.7 Who among the following formed an organisation to support widow remarriage in Madras Presidency?

Ans A). V Chidambaram Pillai B). Ishwar Chandra Vidyasagar C). C Rajagopalachari D). Veereshlingam Pantulu **Correct Answer: D**

Q.8 Which of the following Articles entails “Equality of opportunity in matters of public employment”?

Ans A). Article 15 B). Article 17 C). Article 14 D). Article 16 **Correct Answer: D**

Q.9 Sawai Gandharva was associated with which of the following gharanas?

Ans A). Kirana gharana B). Benaras gharana C). Agra gharana D). Indore gharana **Correct Answer: A**

Q.10 The partition of _____ was annulled in 1911.

Ans A). Burma B). Punjab C). United Provinces D). Bengal **Correct Answer: D**

Q.11 Who is the author of ‘The story of My Experiments with Truth’?

Ans A). BR Ambedkar B). MK Gandhi C). Paramahansa Yogananda D). Jawaharlal Nehru **Correct Answer: B**

Q.12 Which state in India has the largest scheduled tribe population as per the 2011 Census?

Ans A). Odisha B). Madhya Pradesh C). Jharkhand D). Chhattisgarh **Correct Answer: B**

Q.13 In which state is the Rewa Ultra Mega Solar Power Project located?				
Ans A). Madhya Pradesh	B). Rajasthan	C). Tamil Nadu	D). Karnataka	Correct Answer: A
Q.14 As per Census 2011, which of the following is the most populated city in India?				
Ans A). Mumbai	B). Chennai	C). Kolkata	D). Delhi	Correct Answer: A
Q.15 In the State Legislature, _____ is subject to dissolution.				
Ans A). Council of States	B). Legislative Assembly	C). Legislative Council	D). House of People	Correct Answer: B
Q.16 What is the chemical name for the compound responsible for the cooling sensation in mint leaves?				
Ans A). Ethanol	B). Menthol	C). Caffeine	D). Capsaicin	Correct Answer: B
Q.17 Which of the following statements is correct?				
Ans A). Harappan culture spread only to Sindh and Punjab. B). The script of the Harappan culture has been deciphered by historians. C). At burials in Harappan sites the dead were generally laid in pits. D). Granaries in the Indus Valley Civilization were found in Harappa only.				
Correct Answer: C				
Q.18 To control the prices, which of the following Sultans of Delhi set up three different markets for different commodities in Delhi?				
Ans A). Alauddin Khalji	B). Muhammad bin Tughlaq	C). Ghiyasuddin Balban	D). Shamsuddin Iltutmish	Correct Answer: A
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 A). GlampEco	B). Teela	C). Gol Gumbaz	D). Calico Dome	Correct Answer: C
Q.20 For which of the following minerals are Jharia and Raniganj known?				
Ans A). Marble	B). Coal	C). Copper	D). Gold	Correct Answer: B
Q.21 Identify the correct match in the context of microfinance.				
Ans A). Muhammad Yasir - Grameen Bank - Bangladesh B). Muhammad Yasir - Grameen Bank - Pakistan C). Muhammad Yunus - Grameen Bank - Pakistan D). Muhammad Yunus - Grameen Bank - Bangladesh				
Correct Answer: D				
Q.22 What was the name of the official torch for the Khelo India University Games 2022?				
Ans A). Ujala	B). Mitra	C). Samarth	D). Shakti	Correct Answer: D
Q.23 In March 2023, who was appointed as Chairperson of Pension Fund Regulatory Development Authority (PFRDA)?				
Ans A). Subodh Jaiswal	B). Suresh N Patel	C). Tushar Mehta	D). Deepak Mohanty	Correct Answer: D
Q.24 Losar festival is celebrated in which of the following states?				
Ans A). Chhattisgarh	B). Andhra Pradesh	C). Goa	D). Arunachal Pradesh	Correct Answer: D
Q.25 The percentage of pore space between the particles inside a rock or soil is called:				
Ans A). Porosity	B). Density	C). Salinity	D). Permeability	Correct Answer: A

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 A). attends court	B). always looks in the	C). case before he	D). A good lawyer	Correct Answer: B
Q.2 Select the most appropriate meaning of the given idiom.				
On the back foot				
Ans A). In a relaxed state	B). Situated farther away	C). At a disadvantage	D). In a hurry	Correct Answer: C

Q.3	Select the option that will improve the underlined part of the given sentence. According to Greek mythology, Sipylus is <u>holier</u> city of Lydia.			
Ans	A). the holiest	B). most holiest	C). the holier	D). most holy
Correct Answer: A				
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	A). for entertainment and information.	B). was available on mobile	C). Before the internet	D). I read often books
Correct Answer: D				
Q.5	Select the most appropriate synonym of the given word. Gloomy			
Ans	A). Sticky	B). Vain	C). Dismal	D). Buoyant
Correct Answer: C				
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	A). They decided to	B). start their journey	C). in midnight	D). towards the hills
Correct Answer: C				
Q.7	Select the most appropriate ANTONYM of the given word. Predicament			
Ans	A). Solution	B). Docile	C). Mess	D). Redeem
Correct Answer: A				
Q.8	Select the most appropriate superlative adjective form to fill in the blanks. What's ___ book you've ever read?			
Ans	A). interesting	B). the most interesting	C). more interesting	D). the interesting
Correct Answer: B				
Q.9	Select the most appropriate present tense form of the verb to fill in the blank. _____ they like sweets?			
Ans	A). Do	B). Had	C). Has	D). Does
Correct Answer: A				
Q.10	Select the correctly spelt word to fill in the blank. We _____ to follow the traffic rules.			
Ans	A). aut	B). aught	C). ought	D). oght
Correct Answer: C				
Q.11	Select the most appropriate ANTONYM of the given word. Obsequious			
Ans	A). Ordained	B). Obliterate	C). Ostracised	D). Obstinate
Correct Answer: D				
Q.12	Select the most appropriate meaning of the underlined word. The <u>sink</u> is clogged due to solid materials.			
Ans	A). A pipeline for water supply B). A container which holds water C). A large fixed container to wash hands or utensils D). To drown in water			
Correct Answer: C				
Q.13	Select the correctly spelt word to fill in the blank meaningfully.. The _____ on the wall was beautifully painted.			
Ans	A). pictur	B). picture	C). picter	D). pickchure
Correct Answer: B				
Q.14	Select the most appropriate option to fill in the blank. Despite his initial _____, he eventually agreed to join the team.			
Ans	A). enthusiasm	B). reluctance	C). determination	D). compassion
Correct Answer: B				

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 A).	Live	B). Give	C). Earn	D). Break
Correct Answer: C				
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 A).	martyr	B). volunteer	C). prophet	D). philanthropist
Correct Answer: A				
Q.17	Select the most appropriate option to fill in the blank. The investigating team smelled a _____ in the suspect's defence.			
Ans A).	cat	B). bat	C). dog	D). rat
Correct Answer: D				
Q.18	Select the INCORRECTLY spelt word.			
Ans A).	Synchronous	B). Inadvertant	C). Effeminate	D). Blatant
Correct Answer: B				
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 A).	older then	B). elder to	C). elder for	D). older than
Correct Answer: D				
Q.20	Select the INCORRECTLY spelt word.			
Ans A).	Awful	B). Awsome	C). Bitter	D). Barren
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. 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 A).	on	B). for	C). to	D). with
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. 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 A).	is	B). were	C). are being	D). are
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. 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 A).	For	B). In	C). Under	D). Beside
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.

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 A). plays

B). playing

C). play

D). played

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.

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 : 25

Q.25 Select the most appropriate option to fill in blank no. 5.

Ans A). presenting

B). presented

C). being present

D). present

Correct Answer: B