

Combined Higher Secondary Level Examination 2024 Tier I

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| Exam Date | 09/07/2024 |
| Exam Time | 5:15 PM - 6:15 PM |
| Subject | CHSL Exam 2024 Tier I |

Section : English Language

Q.1 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.
A great / culture of hospitality of / the Spanish / is well-known.

- Ans**
- ☐ 1. the Spanish
 - ☐ 2. culture of hospitality of
 - ☒ 3. A great
 - ☐ 4. is well-known.

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
After a while, / she look up / and saw that / it was getting dark.

- Ans**
- ☐ 1. and saw that
 - ☐ 2. it was getting dark
 - ☒ 3. she look up
 - ☐ 4. After a while

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
There was an gang of thieves spotted at our local bank, make sure to be careful.

- Ans**
- ☐ 1. at our local bank
 - ☐ 2. make sure to be careful
 - ☒ 3. There was an gang
 - ☐ 4. of thieves spotted

Q.4 Select the option that will improve the given sentence by using the most appropriate verb.
Alexa have being working as a teacher for five years now.

- Ans**
- ☒ 1. Alexa has been working as a teacher for five years now.
 - ☐ 2. Alexa has being working as a teacher for five years now.
 - ☐ 3. Alexa is being working as a teacher for five years now.
 - ☐ 4. Alexa was been working as a teacher for five years now.

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans**
- ☒ 1. do not
 - ☒ 2. cannot
 - ☒ 3. hasn't
 - ☒ 4. can

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans**
- ☒ 1. the
 - ☒ 2. which
 - ☒ 3. a
 - ☒ 4. very

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans**
- ☒ 1. some
 - ☒ 2. the
 - ☒ 3. that
 - ☒ 4. all

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans**
- ☒ 1. in
 - ☒ 2. with
 - ☒ 3. at
 - ☒ 4. for

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans**
- ☒ 1. started
 - ☒ 2. start
 - ☐ 3. starting
 - ☐ 4. starts

Q.10 Select the most appropriate option to substitute the underlined segment in the given sentence.

Shantanu always buries his head in the sand whenever he explains his professional failures to his father.

- Ans**
- ☒ 1. hides from the truth
 - ☐ 2. shows a blind eye against social issues
 - ☐ 3. escapes from all the difficulties
 - ☐ 4. blames the others for his mistakes

Q.11 Select the most appropriate option to fill in the blank.

The cat's entry into the store room was _____.

- Ans**
- ☐ 1. quite
 - ☒ 2. quiet
 - ☐ 3. cute
 - ☐ 4. quit

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

The _____ of the whale is 2 tonnes.

- Ans**
- ☐ 1. wait
 - ☒ 2. weight
 - ☐ 3. vet
 - ☐ 4. wet

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Grasslands should not be foraged and some places are to be closed for grazing.

- Ans**
- ☒ 1. over-grazed and some areas should be
 - ☐ 2. cut and few areas
 - ☐ 3. grazed and some places is
 - ☐ 4. planted or

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Things that do not come from the ground not safe to compost.

- Ans**
- ☐ 1. has not been safe
 - ☒ 2. are not safe
 - ☐ 3. is not safe
 - ☐ 4. be not safe

Q.15 Select the most appropriate meaning of the underlined idiom in the given sentence.
He got medals time after time by following the instructions of his mentor.

- Ans**
- ☒ 1. Repeatedly
 - ☐ 2. Twice
 - ☐ 3. Rarely
 - ☐ 4. Once

Q.16 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'.
I quietly went out at the door into the veranda.

- Ans**
- ☐ 1. No substitution required
 - ☐ 2. by
 - ☒ 3. through
 - ☐ 4. from

Q.17 Select the option with the correct spelling to replace the underlined word in the given sentence.
A natural clanmity causing huge destruction and loss of life and property.

- Ans**
- ☒ 1. calamity
 - ☐ 2. clamanity
 - ☐ 3. calamitey
 - ☐ 4. climanity

Q.18 Select the most appropriate ANTONYM of the underlined word.
We should not run after transient pleasures of the world.

- Ans**
- ☐ 1. Unnatural
 - ☐ 2. Sinful
 - ☒ 3. Permanent
 - ☐ 4. Joyful

Q.19 Select the most appropriate synonym of the given word.
Luminous

- Ans**
- ☒ 1. Radiant
 - ☐ 2. Laborious
 - ☐ 3. Luxurious
 - ☐ 4. Amiable

Q.20 Select the most appropriate option that can substitute the underlined word in the given sentence.
Modest stores and welcoming residents populated the charming tiny town.

- Ans**
- ☒ 1. delightful
 - ☐ 2. unpleasant
 - ☐ 3. hideous
 - ☐ 4. nasty

Q.21 Select the INCORRECTLY spelt word in the given sentence.
King Zheng is known to lead an army of a million armoured soldiers, a thousand chariots and ten thousand horses in his mission to conquer the neighbouring kingdoms.

- Ans**
- ☒ 1. Misssion
 - ☐ 2. Kingdoms
 - ☐ 3. Chariots
 - ☐ 4. Thousand

Q.22 Fill in the blank with the most appropriate ANTONYM of the underlined word.

In spring the leaves are bright green, whereas they appear _____ in autumn.

- Ans
- ☐ 1. gleaming
 - ☐ 2. luminous
 - ☐ 3. dazzling
 - ☒ 4. dull

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

It is the _____ to reach Delhi.

- Ans
- ☐ 1. lowest route
 - ☐ 2. strongest route
 - ☐ 3. quickest route
 - ☒ 4. fastest route

Q.24 Identify the most appropriate ANTONYM of the underlined word in the following sentence.

Harry's behaviour was very blunt during his school days.

- Ans
- ☐ 1. Excited
 - ☒ 2. Polite
 - ☐ 3. Dull
 - ☐ 4. Curious

Q.25 Select the most appropriate synonym of the given word.

Rectify

- Ans
- ☐ 1. Connect
 - ☐ 2. Consider
 - ☒ 3. Correct
 - ☐ 4. Count

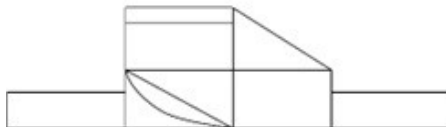
Section : General Intelligence

Q.1 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$16 \div 5 - 24 \times 6 + 3 = ?$$

- Ans
- ☐ 1. 82
 - ☐ 2. 85
 - ☐ 3. 80
 - ☒ 4. 81

Q.2 How many rectangles are there in the given figure?



- Ans
- ☐ 1. 8
 - ☐ 2. 9
 - ☒ 3. 10
 - ☐ 4. 11

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$14 - 15 \div 2 + 56 \times 14 = ?$$

- Ans**
- ✓ 1. 40
 - ✗ 2. 35
 - ✗ 3. 45
 - ✗ 4. 30

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

- Ans**
- ✓ 1. OQS
 - ✗ 2. QTV
 - ✗ 3. OQR
 - ✗ 4. QRS

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
RPM, USP, XVS, AYW, ?

- Ans**
- ✗ 1. BDY
 - ✗ 2. DYB
 - ✗ 3. BYD
 - ✓ 4. DBY

Q.6 In a certain code language, 'BACK' is coded as '4162' and 'CAB' is coded as '214'. What is the code for 'K' in that language?

- Ans**
- ✗ 1. 2
 - ✗ 2. 1
 - ✗ 3. 4
 - ✓ 4. 6

Q.7 Six letters A, R, T, W, Y and Z are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing A?



- Ans**
- ✗ 1. Z
 - ✗ 2. W
 - ✓ 3. Y
 - ✗ 4. R

Q.8 If 10 days before was a Sunday and 6 days after would be a Tuesday, then what day is it today?

- Ans**
- ✓ 1. Wednesday
 - ✗ 2. Monday
 - ✗ 3. Friday
 - ✗ 4. Tuesday

Q.9 The position of how many letters will remain unchanged if each of the letters in the word WANDERLUST is arranged from left to right in alphabetical order?

- Ans
- ☐ 1. Three
 - ☒ 2. One
 - ☐ 3. None
 - ☐ 4. Two

Q.10 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

W P Q J K 2 G E

M ————— N

- Ans
- ☒ 1. W Ъ Ɔ 1 K 5 Ɔ E
 - ☐ 2. W ɹ ɹ 1 K 5 Ɔ E
 - ☐ 3. W Ъ Ɔ 1 K 2 Ɔ E
 - ☐ 4. E Ɔ 5 K 1 Ɔ ɹ W

Q.11 In a certain code language, 'time and again' is coded as 'zx df mo' and 'value your time' is coded as 'df pn tv'. How is 'time' coded in the given language?

- Ans
- ☐ 1. mo
 - ☒ 2. df
 - ☐ 3. tv
 - ☐ 4. zx

Q.12 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$15 \div 4 - 128 + 123 \times 3 = ?$$

- Ans
- ☐ 1. 187
 - ☒ 2. 147
 - ☐ 3. 167
 - ☐ 4. 127

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some sweaters are jackets.

Some jackets are pullovers.

No pullover is a glove.

Conclusions:

(I) No jacket is a glove.

(II) Some sweaters are pullovers.

- Ans
- ☐ 1. Only conclusion I follows
 - ☐ 2. Only conclusion II follows
 - ☒ 3. None of the conclusions follow
 - ☐ 4. Both conclusions I and II follow

Q.14 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Referee : Field

- Ans**
- ☒ 1. Arbitrator : Deadlock
 - ☒ 2. Judge : Courtroom
 - ☒ 3. Experimenter : Result
 - ☒ 4. Gladiator : Ring

Q.15 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

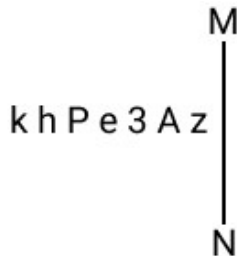
Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.16 33 is related to 726 by certain logic. Following the same logic, 43 is related to 946. To which of the following is 53 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**
- ☒ 1. 846
 - ☒ 2. 980
 - ☒ 3. 1060
 - ☒ 4. 1166

Q.17 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- ☒ 1. z A ɛ e 9 h k
 - ☒ 2. z V ɛ e 9 h k
 - ☒ 3. z 3 A e P h k
 - ☒ 4. z A ɛ e 9 h k

Q.18 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.)
(6, 12, 72)
(8, 16, 96)

- Ans**
- ☐ 1. (7, 28, 144)
 - ☐ 2. (12, 24, 140)
 - ☒ 3. (12, 24, 144)
 - ☐ 4. (11, 24, 144)

Q.19 'T + W' means 'T is the father of W'
'T – W' means 'T is the wife of W'
'T × W' means 'T is the brother of W'
'T ÷ W' means 'T is the daughter of W'.
What does 'S + T ÷ U' mean?

- Ans**
- ☒ 1. S is the husband of U
 - ☐ 2. S is the uncle of U
 - ☐ 3. S is the son of U
 - ☐ 4. S is the brother of U

Q.20 Which of the following numbers will replace the question mark (?) in the given series?
112 113 122 147 196 ?

- Ans**
- ☐ 1. 282
 - ☒ 2. 277
 - ☐ 3. 294
 - ☐ 4. 253

Q.21 What should come in place of the question mark (?) in the given series?
3, 7, 15, 31, 63, ?

- Ans**
- ☐ 1. 125
 - ☐ 2. 126
 - ☒ 3. 127
 - ☐ 4. 128

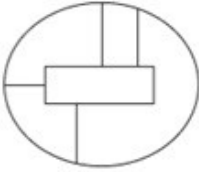
Q.22 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



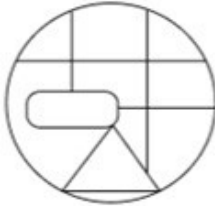
(X)

Ans

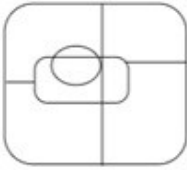
✗ 1.



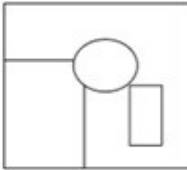
✓ 2.



✗ 3.



✗ 4.



Q.23 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans

✗ 1. PRT

✓ 2. TVY

✗ 3. RTV

✗ 4. HJL

Q.24 DFIK is related to EGJL in a certain way based on the English alphabetical order. In the same way, GILN is related to HJMO. To which of the following is MORT related to, following the same logic?

Ans

✗ 1. NQSU

✗ 2. NPSV

✗ 3. NPVS

✓ 4. NPSU

Q.25 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

| | | | | |
|---|--|--|---|---|
| $\begin{array}{c} 4 \diagup 8 \\ \diagdown 2 \end{array}$ | $\begin{array}{c} 6 \diagup 24 \\ \diagdown 4 \end{array}$ | $\begin{array}{c} 8 \diagup 48 \\ \diagdown 6 \end{array}$ | $\begin{array}{c} 10 \diagup 80 \\ \diagdown 8 \end{array}$ | ? |
|---|--|--|---|---|

Ans

☒ 1.

$$\begin{array}{c} 12 \diagup 2 \\ \diagdown 10 \end{array}$$

☒ 2.

$$\begin{array}{c} 12 \diagup 120 \\ \diagdown 10 \end{array}$$

☒ 3.

$$\begin{array}{c} 14 \diagup 140 \\ \diagdown 10 \end{array}$$

☒ 4.

$$\begin{array}{c} 12 \diagup 22 \\ \diagdown 10 \end{array}$$

Section : Quantitative Aptitude

Q.1 Find the number of paper balls, each 2 cm in diameter, that can be made from a sphere of diameter 18 cm.

Ans ☒ 1. 1020

☒ 2. 625

☒ 3. 729

☒ 4. 484

Q.2 A shopkeeper sells an item at 20% discount on the marked price and earns a profit of 90%. If he sells the same item at 40% discount, then his new profit percentage will be:

Ans ☒ 1. 48.2%

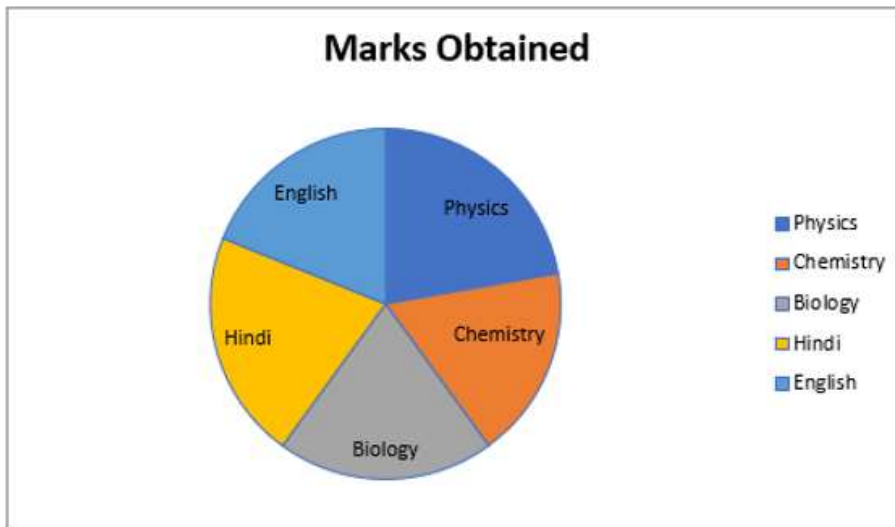
☒ 2. 45.8%

☒ 3. 41.8%

☒ 4. 42.5%

Q.3

Study the following pie-chart carefully and answer the given question. The pie-chart represents the marks obtained by Sanya in different subjects in class 12. Total marks scored by her in class 12 was 450.



If the total central angles corresponding to the pair of subjects (Physics and Hindi), (Chemistry and Physics) and (Hindi and Chemistry) were 156° , 144° and 140° , respectively, then find the total marks obtained by her in (English and Biology).

Ans ☒ 1. 175

☐ 2. 160

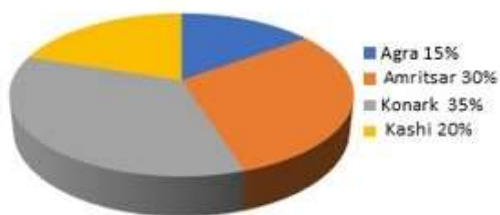
☐ 3. 180

☐ 4. 190

Q.4

Study the given pie charts and answer the question that follows.

Distribution of overseas tourists



Age of tourists



If A = percentage of tourists who went to Agra, Amritsar and Kashi, and B = percentage of tourists whose age lies between 2 years to 50 years, then what is A:B?

Ans

- ☒ 1. 10:7
- ☒ 2. 10:13
- ☒ 3. 13:10
- ☒ 4. 11:13

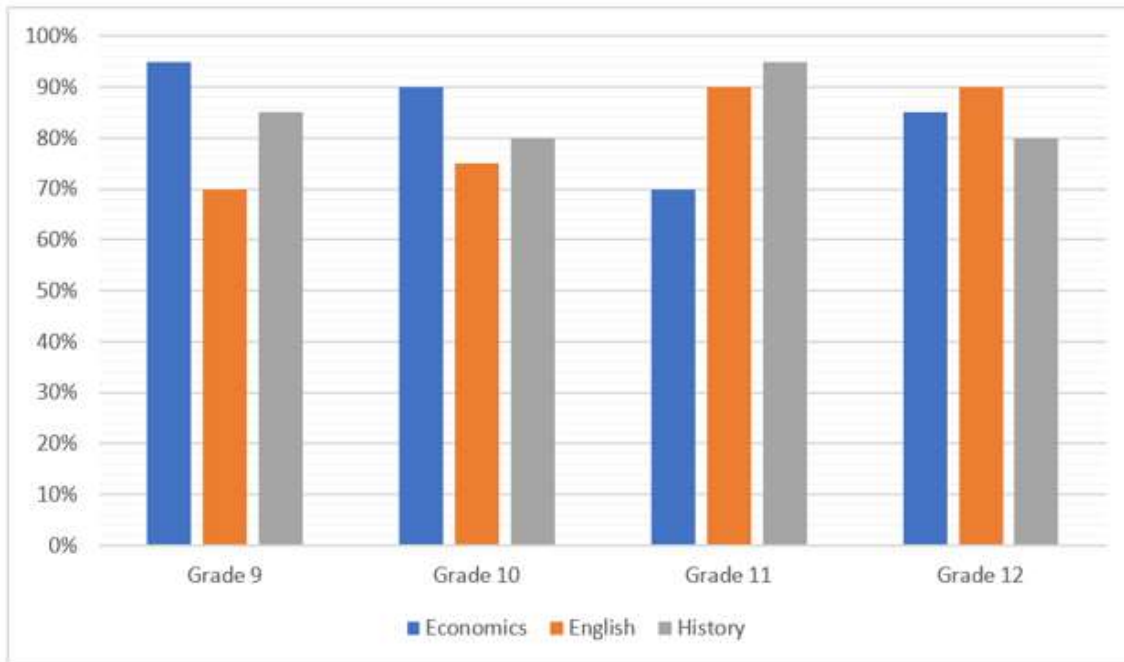
Q.5

If 20% of 35% of a number is 240.8, then 18% of that number (rounded off to 1 decimal place) is:

Ans

- ☒ 1. 619.2
- ☒ 2. 618.2
- ☒ 3. 621.2
- ☒ 4. 623.2

Q.6 The following bar graph represents the percentage marks obtained in grade 9, 10, 11 and 12 students in Economics, English and History. Study the given bar graph carefully and answer the question that follows.



If the full marks in Economics is 100, English is 80 and History is 50, then find the total marks obtained by grade 10 students.

- Ans**
- ✓ 1. 190
 - ✗ 2. 220
 - ✗ 3. 200
 - ✗ 4. 245

Q.7 A can finish a piece of work by working alone in 4 days. B, while working alone, can finish the same work in 12 days. If both of them work together, then in how many days will the work be completed?

- Ans**
- ✗ 1. 8
 - ✗ 2. 6
 - ✓ 3. 3
 - ✗ 4. 4

Q.8 Simplify the following expression.

$$11\frac{1}{4} \div 3\frac{3}{5} \times 6\frac{2}{3} + \frac{1}{6} = \underline{\hspace{2cm}}$$

- Ans**
- ✗ 1. 23
 - ✓ 2. 21
 - ✗ 3. 25
 - ✗ 4. 19

Q.9 In a circle with center O, the diameter AB extended to the point C, outside the circle. CD is a tangent at the point D on the circle. If the radius of circle is 6 cm and $\angle DBC = 120^\circ$, then the length of CD is equal to:

- Ans**
- ✗ 1. $5\sqrt{3}$ cm
 - ✗ 2. $3\sqrt{3}$ cm
 - ✓ 3. $6\sqrt{3}$ cm
 - ✗ 4. $4\sqrt{3}$ cm

Q.10 In a class with a certain number of students, if one student weighing 30 kg is added, then the average weight of the class increases by 1 kg. If one more student weighing 30 kg is added, then the average weight of the class increases by 1.5 kg over the original average. What is the original average weight (in kg) of the class?

- Ans** ☒ 1. 27
☐ 2. 26.5
☐ 3. 25.5
☐ 4. 24

Q.11 What is the maximum value of $7 \cos A + 24 \sin A + 32$?

- Ans** ☒ 1. 57
☐ 2. 32
☐ 3. 25
☐ 4. 39

Q.12 The given table shows the percentage of marks obtained by 5 students in different subjects. Study the table and answer the question that follows. (Maximum marks are given beside subject).

| Subjects → Students ↓ | Physics 300 | Maths 300 | Music 100 | Hindi 100 | Botany 200 |
|--------------------------|----------------|--------------|--------------|--------------|---------------|
| Ram | 60 | 80 | 90 | 60 | 95 |
| Shyam | 90 | 70 | 80 | 70 | 40 |
| Sohan | 70 | 90 | 95 | 80 | 75 |
| Mohan | 80 | 60 | 70 | 95 | 80 |
| Karn | 90 | 50 | 85 | 85 | 80 |

The marks obtained by Ram in Botany are less/more than Karn's marks in Botany by how much?

- Ans** ☐ 1. 25 less
☒ 2. 30 more
☐ 3. 25 more
☐ 4. 30 less

Q.13 The speed of a thief is $\frac{4}{5}$ times the speed of a policeman. The thief covers a distance of 6 km before he was caught by the policeman in 30 minutes. Initially, what was the distance between the policeman and the thief in km?

- Ans** ☐ 1. 0.8
☐ 2. 1.0
☒ 3. 1.5
☐ 4. 1.2

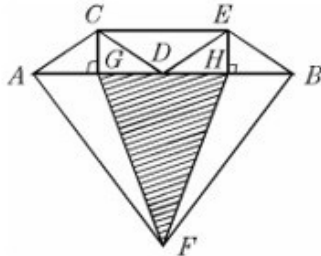
Q.14 After decreasing 30%, an article costs Rs.3,500. Find its actual cost.

- Ans** ☐ 1. Rs.4,500
☐ 2. Rs.6,500
☒ 3. Rs.5,000
☐ 4. Rs.5,500

Q.15 A metallic sphere of volume $3136\pi \text{ cm}^3$ is melted and then, recast into smaller cones, each of radius 3.5 cm and height 4 cm. How many cones are obtained?

- Ans
- ☒ 1. 148
 - ☒ 2. 192
 - ☒ 3. 196
 - ☒ 4. 172

Q.16 In the diagram, if $\overline{AB} \parallel \overline{CE}$, $AG = GD = DH = HB$, then which of the following is correct?



I) $\triangle ACG \cong \triangle BEH$ II) $\triangle CDE \cong \triangle DEB \cong \triangle DCA$ III) $\triangle HFB \cong \triangle AFG$

- Ans
- ☒ 1. I and III
 - ☒ 2. I and II
 - ☒ 3. I, II and III
 - ☒ 4. Only I

Q.17 Simplify

$$\left[6 - 2 \left\{ 3 - 4 \left(4 \div \frac{1}{4} - 1 \right) + 2 \div \frac{1}{3} \right\} - 3 \times 2 \right]$$

- Ans
- ☒ 1. 102
 - ☒ 2. 98
 - ☒ 3. 96
 - ☒ 4. 92

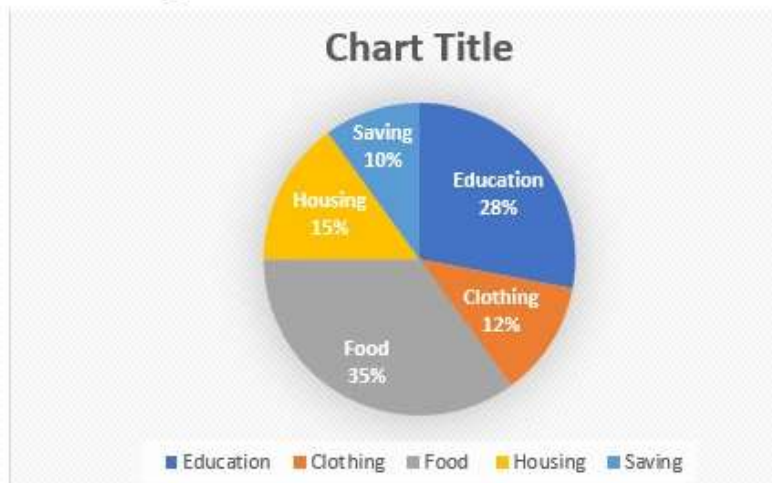
Q.18 If three sides of a triangle are 6 cm, 8 cm and 10 cm, then the area of the triangle is:

- Ans
- ☒ 1. 30 cm^2
 - ☒ 2. $12\sqrt{3} \text{ cm}^2$
 - ☒ 3. 24 cm^2
 - ☒ 4. $24\sqrt{3} \text{ cm}^2$

Q.19

Study the given pie-chart and answer the question that follows.

The pie-chart shows the monthly expenditure incurred by a family on various items and their savings.



If the total expenditure on education is ₹23,520, then what is the expenditure on clothing (in ₹)?

- Ans
- ☒ 1. 10000
 - ☒ 2. 10080
 - ☒ 3. 12300
 - ☒ 4. 11000

Q.20 By selling 22 items, Rohit gains the selling price of 6 items. His gain per cent is:

- Ans
- ☒ 1. $37\frac{1}{2}\%$
 - ☒ 2. $37\frac{1}{3}\%$
 - ☒ 3. $33\frac{1}{2}\%$
 - ☒ 4. $33\frac{1}{3}\%$

Q.21 The price of an electronic watch is first reduced by 25% and then increased by 50%. If the resulting price of the electronic watch is ₹7,650, then what was its original price (in ₹)?

- Ans
- ☒ 1. 6,900
 - ☒ 2. 6,500
 - ☒ 3. 6,600
 - ☒ 4. 6,800

Q.22 By decreasing 17° from each angle of a triangle, the ratio of their angles is 3 : 4 : 7. The radian measure of the greatest angle is:

- Ans**
- ☐ 1. $\frac{153\pi}{360}$
 - ☐ 2. $\frac{167\pi}{180}$
 - ☒ 3. $\frac{163\pi}{360}$
 - ☐ 4. $\frac{163\pi}{180}$

Q.23 The lengths of the three sides of a triangle are 19 cm, 25 cm and y cm. Which of the following options most accurately gives the possible values of 'y'?

- Ans**
- ☐ 1. $6 \leq y < 44$
 - ☒ 2. $6 < y < 44$
 - ☐ 3. $6 \leq y \leq 44$
 - ☐ 4. $6 < y \leq 44$

Q.24 The strength of a school is 640, with the number of boys being 400. Find the ratio of girls to boys.

- Ans**
- ☐ 1. 8 : 5
 - ☐ 2. 5 : 6
 - ☐ 3. 4 : 5
 - ☒ 4. 3 : 5

Q.25 What will be the amount due on ₹36,000 in 2 years when the rate of simple interest for successive years is 8% and 6%, respectively?

- Ans**
- ☐ 1. ₹38,880
 - ☐ 2. ₹40,320
 - ☐ 3. ₹41,760
 - ☒ 4. ₹41,040

Section : General Awareness

Q.1 Intervention by the monetary authority of a country in the money market to keep money supply stable against exogenous or sometimes external shocks is called ____.

- Ans**
- ☒ 1. sterilisation
 - ☐ 2. capitalisation
 - ☐ 3. conservation
 - ☐ 4. neutralisation

Q.2 In PPT What method can be used to move among slides if your hands are already on the keyboard?

- Ans**
- ☐ 1. Pressing the Esc key to exit the presentation
 - ☒ 2. Using the keyboard directional keys
 - ☐ 3. Scrolling with the mouse wheel
 - ☐ 4. Clicking on the slide thumbnail in the Slides tab

Q.3 What was the name of the person who has been elected as the Chair of the 62nd session of the United Nations Commission for Social Development?

- Ans**
- ☒ 1. Ruchira Kamboj
 - ☐ 2. Satinder Kumar Lambah
 - ☐ 3. BM Vinod Kumar
 - ☐ 4. Nirupama Menon Rao

Q.4 Which of the following is NOT an Olympics Sport? (As of March, 2023)

- Ans**
- ☒ 1. Cricket
 - ☐ 2. Rowing
 - ☐ 3. Sailing
 - ☐ 4. 3×3 Basketball

Q.5 According to Census 2011, India's population accounts _____ of the world's population.

- Ans**
- ☐ 1. 20%
 - ☐ 2. 15%
 - ☐ 3. 10%
 - ☒ 4. 17.5%

Q.6 Jharkhand and Chhattisgarh states are rich with _____ material deposits.

- Ans**
- ☐ 1. gold
 - ☐ 2. silicon
 - ☐ 3. petroleum
 - ☒ 4. coal

Q.7 Fundamental duties were introduced in Part IVA of the Constitution by the:

- Ans**
- ☐ 1. Forty-third Amendment Act, 1977
 - ☐ 2. Forty-first Amendment Act, 1976
 - ☒ 3. Forty-second Amendment Act, 1976
 - ☐ 4. Forty-fourth Amendment Act, 1978

Q.8 How does the CPU distinguish between each memory cell?

- Ans**
- ☒ 1. By its address
 - ☐ 2. By its data item
 - ☐ 3. By its capacity
 - ☐ 4. By its byte size

Q.9 The Big Dipper is an asterism formed by the seven brightest stars in the constellation:

- Ans**
- ☒ 1. Ursa Major
 - ☐ 2. Orion
 - ☐ 3. Cassiopeia
 - ☐ 4. Leo Major

Q.10 Aajeevika - National Rural Livelihoods Mission (NRLM) - was launched by the Ministry of Rural Development (MoRD), Government of India, in the year _____.

- Ans**
- ☐ 1. 2013
 - ☐ 2. 2010
 - ☐ 3. 2012
 - ☒ 4. 2011

Q.11 Baiga is a folk music of Baiga Tribe from which of the following states?

- Ans**
- ☐ 1. Uttarakhand
 - ☐ 2. Assam
 - ☐ 3. Bihar
 - ☒ 4. Madhya Pradesh

Q.12 The cell wall of bacteria is made up of:

- Ans**
- ☒ 1. peptidoglycan
 - ☐ 2. cellulose
 - ☐ 3. glycogen
 - ☐ 4. peptone

Q.13 Which of the following Articles of the Indian Constitution are related to Fundamental Rights?

- Ans**
- ☐ 1. 14-32
 - ☐ 2. 32-51
 - ☒ 3. 12-35
 - ☐ 4. 12-36

Q.14 According to rules laid down by the International Football Association Board (IFAB), what can be the maximum length of a goal line in football?

- Ans**
- ☒ 1. 90 m
 - ☐ 2. 100 m
 - ☐ 3. 40 m
 - ☐ 4. 50 m

Q.15 What kind of a satellite is CMS-01, that was launched by ISRO in December 2020?

- Ans**
- ☐ 1. Navigation
 - ☐ 2. Resource management
 - ☐ 3. Tsunami observation
 - ☒ 4. Communication

Q.16 Shattantri Veena, meaning a Veena with hundred strings, is the ancient Sanskrit name of which instrument?

- Ans**
- ☐ 1. Tambura/Tanpura
 - ☐ 2. Sarangi
 - ☐ 3. Sarod
 - ☒ 4. Santoor

Q.17 Which party won the Jalandhar (a city in Punjab) Lok Sabha bypoll election held in May 2023?

- Ans**
- ☐ 1. Indian National Congress
 - ☐ 2. Akali Dal
 - ☒ 3. Aam Aadmi Party
 - ☐ 4. Bharatiya Janata Party

Q.18 Which of the following date is observed as a national festival?

- Ans**
- ☐ 1. 24 October
 - ☐ 2. 25 October
 - ☒ 3. 2 October
 - ☐ 4. 10 October

Q.19 Milk of magnesia is a suspension of _____ in water.

- Ans**
- ☐ 1. magnesium oxalate
 - ☒ 2. magnesium hydroxide
 - ☐ 3. magnesium chlorate
 - ☐ 4. magnesium bromide

Q.20 Warren Hastings became the Governor-General of Bengal from Governor of Bengal after the passing of which of the following Acts?

- Ans**
- ☐ 1. Indian Council Act of 1861
 - ☐ 2. Pitt's India Act, 1784
 - ☒ 3. Regulating Act, 1773
 - ☐ 4. Charter Act, 1813

Q.21 In a test match, the captain of the fielding side may demand a new ball after _____.

- Ans**
- ☐ 1. 85 overs
 - ☒ 2. 80 overs
 - ☐ 3. 70 overs
 - ☐ 4. 75 overs

Q.22 Rouf is the traditional dance of _____, which is practiced on the festive occasions of Eid and during Ramzan days.

- Ans**
- ☒ 1. Jammu & Kashmir
 - ☐ 2. Chandigarh
 - ☐ 3. Leh
 - ☐ 4. Puducherry

Q.23 In 1955, _____ noted the possibility of using small-scale industries for promoting rural development.

- Ans**
- ☐ 1. Chakravarty Committee
 - ☐ 2. Sarkaria Committee
 - ☐ 3. Kelkar Committee
 - ☒ 4. Karve Committee

Q.24 The Union Cabinet, in Aug 2022, approved the enhancement in the limit of Emergency Credit Line Guarantee Scheme (ECLGS) by _____, with the additional amount being earmarked exclusively for enterprises in hospitality and related sectors.

- Ans**
- ☐ 1. ₹10,000 crore
 - ☒ 2. ₹50,000 crore
 - ☐ 3. ₹60,000 crore
 - ☐ 4. ₹30,000 crore

Q.25 Who amongst the following Mughal emperors got classical Hindu mythological texts Ramayana and Mahabharata translated into Persian?

- Ans**
- ☐ 1. Jahangir
 - ☐ 2. Aurangzeb
 - ☒ 3. Akbar
 - ☐ 4. Shahjahan