Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Venue Name	DPG Institute Of Technology And Management
Exam Date	15/10/2020
Exam Time	4:00 PM - 5:00 PM
Subject	CHSL Tier 1

Section : **English Language (Basic Knowledge)**

Q.1 **Select the word which means the same as the group of words given.**

Come in the way of

Ans ✘ 1. Facilitate

✘ 2. Indulge

✔ 3. Hamper

✘ 4. Deprive

Question ID : **424429628**
Status : **Answered**
Chosen Option : **3**

Q.2 **Select the word which means the same as the group of words given.**

An unforseen happening which creates some damage

Ans ✘ 1. Magical

✔ 2. Mishap

✘ 3. Menace

✘ 4. Mystery

Question ID : **424429627**
Status : **Answered**
Chosen Option : **2**

Q.3 **Select the correct indirect form of the given sentence.**

Neeta said, "Let me see how Pragya performs in her preboard examinations."

Ans ✘ 1. Neeta said I would see how Pragya performed in her preboard examinations.

✘ 2. Neeta wants to see Pragya's performance in her preboard examinations.

✔ 3. Neeta said that she wanted to see how Pragya performed in her preboard examinations.

✘ 4. Neeta wanted to see how Pragya would perform in her preboard examinations.

Question ID : **424429608**
Status : **Answered**
Chosen Option : **3**

Q.4 **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**

She <u>was looking troubled</u> when the teacher asked her to submit the homework.

Ans ✗ 1. is look trouble

✓ 2. No improvement

✗ 3. was troubling

✗ 4. had been trouble

Question ID : **424429620**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A recent census of waterbirds conducted as a part of Asian Waterbird Census (1)_____ an increase in their population in Najafgarh Jheel this year. The census also showed a (2)_____ in the number of threatened species. Last year, the number of waterbird species were thirty-one which climbed to fifty- four this year, while the threatened variety (3)_____ from four to six in the same duration. The region also saw a healthy monsoon in 2019, which would have (4)_____ impacted the quality of habitat, making it (5)_____ to more birds.

SubQuestion No : 5

Q.5 **Select the most appropriate option for blank number 1.**

Ans ✓ 1. recorded

✗ 2. played

✗ 3. reaped

✗ 4. responded

Question ID : **424429612**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A recent census of waterbirds conducted as a part of Asian Waterbird Census (1)_____ an increase in their population in Najafgarh Jheel this year. The census also showed a (2)_____ in the number of threatened species. Last year, the number of waterbird species were thirty-one which climbed to fifty- four this year, while the threatened variety (3)_____ from four to six in the same duration. The region also saw a healthy monsoon in 2019, which would have (4)_____ impacted the quality of habitat, making it (5)_____ to more birds.

SubQuestion No : 6

Q.6 **Select the most appropriate option for blank number 2.**

Ans ✗ 1. health

✓ 2. growth

✗ 3. slowdown

✗ 4. wealth

Question ID : **424429613**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A recent census of waterbirds conducted as a part of Asian Waterbird Census (1)_____ an increase in their population in Najafgarh Jheel this year. The census also showed a (2)_____ in the number of threatened species. Last year, the number of waterbird species were thirty-one which climbed to fifty- four this year, while the threatened variety (3)_____ from four to six in the same duration. The region also saw a healthy monsoon in 2019, which would have (4)_____ impacted the quality of habitat, making it (5)_____ to more birds.

SubQuestion No : 7

Q.7 Select the most appropriate option for blank number 3.

Ans ✔️ 1. rose

✖️ 2. is risen

✖️ 3. rises

✖️ 4. had risen

Question ID : **424429614**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A recent census of waterbirds conducted as a part of Asian Waterbird Census (1)_____ an increase in their population in Najafgarh Jheel this year. The census also showed a (2)_____ in the number of threatened species. Last year, the number of waterbird species were thirty-one which climbed to fifty- four this year, while the threatened variety (3)_____ from four to six in the same duration. The region also saw a healthy monsoon in 2019, which would have (4)_____ impacted the quality of habitat, making it (5)_____ to more birds.

SubQuestion No : 8

Q.8 Select the most appropriate option for blank number 4.

Ans ✖️ 1. dutily

✖️ 2. deftly

✔️ 3. directly

✖️ 4. decently

Question ID : **424429615**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A recent census of waterbirds conducted as a part of Asian Waterbird Census (1)_____ an increase in their population in Najafgarh Jheel this year. The census also showed a (2)_____ in the number of threatened species. Last year, the number of waterbird species were thirty-one which climbed to fifty- four this year, while the threatened variety (3)_____ from four to six in the same duration. The region also saw a healthy monsoon in 2019, which would have (4)_____ impacted the quality of habitat, making it (5)_____ to more birds.

SubQuestion No : 9

Q.9   Select the most appropriate option for blank number 5.

Ans   ✗ 1. unattractive

         ✔ 2. attractive

         ✗ 3. possible

         ✗ 4. impossible

	Question ID : **424429616**
	Status : **Answered**
	Chosen Option : **2**

Q.10   Select the correct passive form of given sentence.

       We can buy diamonds, but we cannot buy sympathy.

Ans   ✔ 1. Diamonds can be bought but sympathy cannot be brought.

         ✗ 2. Diamonds can be bought but sympathy can be brought.

         ✗ 3. Diamonds can be bought and sympathy cannot be brought.

         ✗ 4. Diamonds cannot be bought but sympathy cannot be brought.

	Question ID : **424429607**
	Status : **Answered**
	Chosen Option : **1**

Q.11   Select the most appropriate meaning of the given idiom.

       Eat humble pie

Ans   ✗ 1. Eat something which is not tasty

         ✔ 2. Admit that you are wrong

         ✗ 3. Eat less food

         ✗ 4. Make noise while eating

	Question ID : **424429623**
	Status : **Answered**
	Chosen Option : **2**

Q.12 Select the most appropriate word to fill in the blank in the given sentence.

The flyover was closed in October last year for repairs but its reopening has been _____ as it will be ready only in March this year.

Ans ✗ 1. broken

✓ 2. delayed

✗ 3. built

✗ 4. repaired

Question ID : **424429631**

Status : **Answered**

Chosen Option : **2**

Q.13 Four jumbled sentences are given. Select the option that gives their correct order.

A. Saranda forests, in Singhbum, are a huge catchment for rivers and streams in this state.
B. If these forests are opened up for mining purposes the remaining rivers and streams will dry up.
C. The state of Jharkand faces water scarcity every summer.
D. These forests are India's largest contiguous Sal forests and the current plan says mining should not be allowed in the dense forest as rivers are drying up.

Ans ✗ 1. CBAD

✗ 2. ACDB

✓ 3. CADB

✗ 4. BADC

Question ID : **424429618**

Status : **Answered**

Chosen Option : **3**

Q.14 Select the most appropriate ANTONYM of the given word

IMPROMPTU

Ans ✗ 1. Fast

✓ 2. Planned

✗ 3. Unplanned

✗ 4. Appropriate

Question ID : **424429622**

Status : **Answered**

Chosen Option : **2**

Q.15 Select the most appropriate ANTONYM of the given word

FRAGILE

Ans ✗ 1. Fancy

✗ 2. Slow

✓ 3. Strong

✗ 4. Fast

Question ID : **424429621**

Status : **Answered**

Chosen Option : **2**

Q.16 In the given sentence identify the segment which contains the grammatical error.

The park was well lighted at night but it was deserted, so it was a bit scared.

Ans ✗ 1. The park was well lighted

✔ 2. so it was a bit scared

✗ 3. at night

✗ 4. but it was deserted

Question ID : **424429609**

Status : **Answered**

Chosen Option : **4**

Q.17 Select the most appropriate synonym of the given word.

INTERSPERSED

Ans ✗ 1. Met

✔ 2. Scattered

✗ 3. Collected

✗ 4. Wore

Question ID : **424429630**

Status : **Not Answered**

Chosen Option : **--**

Q.18 Select the most appropriate synonym of the given word.

MASQUERADED

Ans ✗ 1. Managed

✗ 2. Disappeared

✗ 3. Dropped

✔ 4. Acted

Question ID : **424429629**

Status : **Answered**

Chosen Option : **2**

Q.19 Select the most appropriate meaning of the given idiom.

To fall on deaf ears

Ans ✗ 1. To be listened carefully

✔ 2. To be ignored

✗ 3. To be aware of what is going on

✗ 4. To be paid attention

Question ID : **424429624**

Status : **Answered**

Chosen Option : **2**

Q.20 Four jumbled sentences are given. Select the option that gives their correct order.

A. The minimum temperature in the national capital dropped yesterday as cold north westerly winds continued to blow in from the hills.
B. North India has been witnessing a harsh winter this year.
C. However, experts said the minimum temperatures would increase over the next few days due to a cloud cover.
D. A favourable outcome of the wind factor was that there was a slight decrease in air pollution levels due to the wind speeds.

Ans ✔ 1. BADC

✗ 2. BCDA

✗ 3. ABDC

✗ 4. CDAB

Question ID : **424429617**
Status : **Answered**
Chosen Option : **1**

Q.21 In the given sentence identify the segment which contains the grammatical error.

The neighbourhood were getting disturbed with the loud music that was playing at the wedding party in the big bungalow.

Ans ✗ 1. that was playing

✗ 2. in the big bungalow

✗ 3. at the wedding party

✔ 4. The neighbourhood were getting disturbed

Question ID : **424429610**
Status : **Answered**
Chosen Option : **4**

Q.22 Select the most appropriate word to fill in the blank in the given sentence.

Today's _____ are only interested in watching movies with the stories they can relate to the cinema.

Ans ✗ 1. accountants

✗ 2. personalities

✔ 3. audiences

✗ 4. politics

Question ID : **424429632**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the INCORRECTLY spelt word.

Ans ✔ 1. Implicatted

✗ 2. Coercion

✗ 3. Suppression

✗ 4. Pressurised

Question ID : **424429626**
Status : **Answered**
Chosen Option : **1**

Q.24 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

"Did you tell your parents <u>that you would going</u> for a movie with me this evening?" My friend asked me.

Ans   ✔️ 1. that you are going

   ❌ 2. this that you was going

   ❌ 3. then you were being gone

   ❌ 4. when you will going

Question ID : **424429619**
Status : **Answered**
Chosen Option : **1**

Q.25 Select the INCORRECTLY spelt word.

Ans   ❌ 1. Irritable

   ✔️ 2. Irational

   ❌ 3. Escalation

   ❌ 4. Appreciation

Question ID : **424429625**
Status : **Answered**
Chosen Option : **2**


Section : **General Intelligence**

Q.1 Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

R h f g b q

Ans   ❌ 1. bqɓɟɥЯ

   ❌ 2. pdɓɟɥЯ

   ❌ 3. pdɓɟɥЯ

   ✔️ 4. pdɓɟɥЯ

Question ID : **424429656**
Status : **Answered**
Chosen Option : **4**

Q.2 Two different positions of the same dice are shown, the six faces of which are marked by the letters A, B, C, D, E and F. Which letter will be on the face opposite to the one showing 'D'?
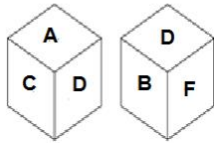
Ans
✗ 1. F
✗ 2. C
✗ 3. A
✔ 4. E

Question ID : **424429651**
Status : **Answered**
Chosen Option : **4**

Q.3 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 conclusions logically follow(s) from the statements.

Statements:

1. All bottles are jugs.

2. Some jugs are glasses.

Conclusions:

I. Some jugs are bottles.

II. Some glasses are jugs.

III. All glasses are bottles.

Ans
✗ 1. Only conclusions I follows.

✗ 2. Only conclusions II and III follow.

✗ 3. Only conclusions II follows.

✔ 4. Only conclusions I and II follow.

Question ID : **424429650**
Status : **Answered**
Chosen Option : **4**

Q.4 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans
✗ 1. 14 : 112
✔ 2. 22 : 166
✗ 3. 25 : 200
✗ 4. 15 : 120

Question ID : **424429639**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

TZS : WCV :: KQP : ?

Ans   ✔ 1. NTS

   ✘ 2. NSP

   ✘ 3. MTS

   ✘ 4. NTP

Q.6 Select the figure that can replace the question mark (?) in following figure series.

Ans

   ✘ 1.

   ✔ 2.

   ✘ 3.

   ✘ 4.

Q.7 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans ✗ 1. Yuan

✔ 2. Oslo

✗ 3. Dollar

✗ 4. Dinar
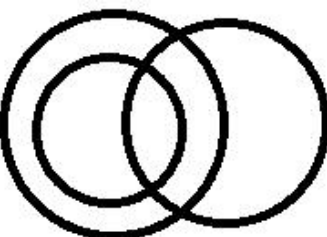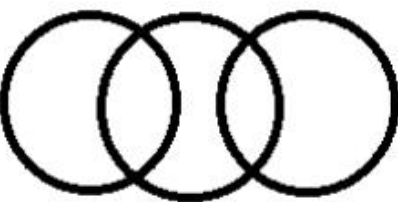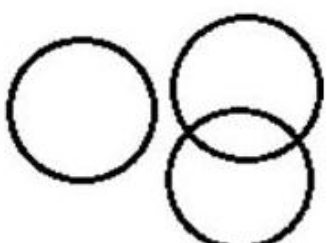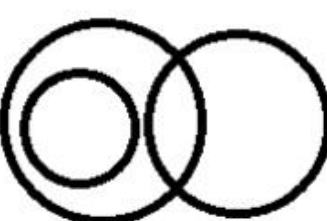
Q.8 Select the Venn diagram that best represents the relationship between the following words.

Graduates, Post-graduates, Sisters

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Q.9 Select the option in which the words share the same relationship as that shared by the given pair of words.

Asia : China

Ans
 ✗ 1. Asia : Antarctica
 ✗ 2. Africa : Continent
 ✗ 3. Thailand : Bangkok
 ✔ 4. Asia : Malaysia

Question ID : **424429647**
Status : **Answered**
Chosen Option : **4**

Q.10 X is 5 years older than Y. The total of the current ages of X and Y is 33 years. What will be the age of Y after 7 years?
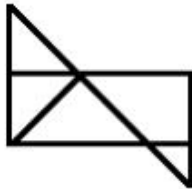
Ans
 ✔ 1. 21 years
 ✗ 2. 14 years
 ✗ 3. 22 years
 ✗ 4. 20 years

Question ID : **424429633**
Status : **Answered**
Chosen Option : **1**

Q.11 How many triangles are there in the given figure?

Ans
 ✗ 1. 6
 ✗ 2. 8
 ✗ 3. 5
 ✔ 4. 7

Question ID : **424429653**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(4, 67, 20)

Ans
✗ 1. (7, 52, 104)

✗ 2. (5, 28, 56)

✔ 3. (3, 30, 12)

✗ 4. (6, 219, 44)

Q.13 Select the combination of letters that when sequentially placed from left to right in the blanks of the given letter series will complete the series.

L _ UK _ A _ KLA _ KL _ UK

Ans
✔ 1. ALUUA

✗ 2. LUUAL

✗ 3. AUUAL

✗ 4. KLAUL

Q.14 Select the option that is related to the third number in the same way as the second number is related to the first number.

11 : 143 :: 23 : ?

Ans
✗ 1. 529

✗ 2. 470

✔ 3. 667

✗ 4. 572

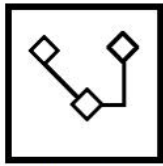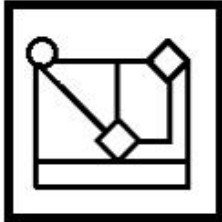**Q.15** Select the option figure in which the given figure X is embedded. (Rotation is not allowed)

Figure X

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
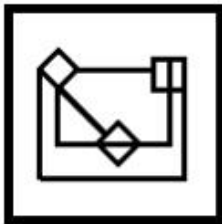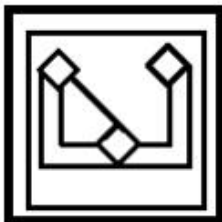
Q.16 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. Select from the option figures, how would this paper look when unfolded?

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
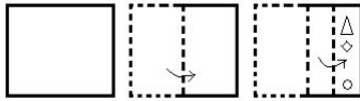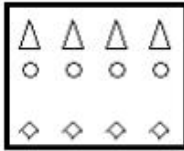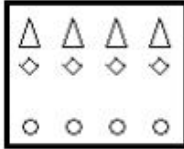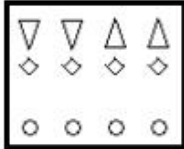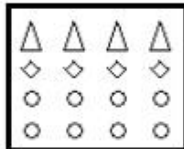
Q.17 Which two numbers should be interchanged to make the given equation correct?

$7 + 24 \times 3 - 72 \div 18 = 58$

Ans
✗ 1. 3 and 7
✓ 2. 18 and 24
✗ 3. 7 and 18
✗ 4. 72 and 24

Q.18 'Curtain' is related to 'Cloth' in the same way as 'Ornaments' is related to '_____'.

Ans
✓ 1. Gold
✗ 2. Beauty
✗ 3. Expensive
✗ 4. Goldsmith

Q.19 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
- ✗ 1. EYC
- ✔ 2. CUZ
- ✗ 3. DPT
- ✗ 4. BDH

Question ID : **424429648**
Status : **Answered**
Chosen Option : **2**

Q.20 In a certain code language, 'PROCTOR' is written as 'RUSBURW'. How will 'HOSTING' be written as in that language?

Ans
- ✗ 1. VRKTJRL
- ✔ 2. VRKSJQL
- ✗ 3. VQKSLSL
- ✗ 4. WXKSJQN

Question ID : **424429641**
Status : **Answered**
Chosen Option : **2**

Q.21 Select the correct option that arranges the following words in a logical and meaningful order.

1. Infant

2. Old age

3. Adolescent

4. Adult

5. Childhood

Ans
- ✗ 1. 5, 1, 3, 4, 2
- ✔ 2. 1, 5, 3, 4, 2
- ✗ 3. 1, 5, 3, 2, 4
- ✗ 4. 5, 1, 4, 3, 2

Question ID : **424429640**
Status : **Answered**
Chosen Option : **2**

Q.22 In a certain code language, 'VARIOUS' is coded as '519812254418'. How will 'PENSION' be coded as in that language?

Ans
- ✗ 1. 16551388120513
- ✗ 2. 16251488122812
- ✔ 3. 11251388122513
- ✗ 4. 11241398122514

Question ID : **424429642**
Status : **Answered**
Chosen Option : **3**

Q.23 Pointing to the photograph of a boy, Vikas said, "His father's mother, Sunitha, is my wife's sister's mother". How is Sunitha related to Vikas?

Ans ✔ 1. Mother-in-law

✘ 2. Maternal aunt

✘ 3. Maternal grandmother

✘ 4. Mother

Question ID : **424429646**
Status : **Answered**
Chosen Option : **1**

Q.24 Select the number that can replace the question mark (?) in the following series.

114, 121, 138, 175, 242, ?

Ans ✔ 1. 349

✘ 2. 345

✘ 3. 356

✘ 4. 347

Question ID : **424429638**
Status : **Answered**
Chosen Option : **1**

Q.25 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(16, 88, 296)

Ans ✘ 1. (14, 77, 385)

✔ 2. (12, 66, 222)

✘ 3. (28, 140, 518)

✘ 4. (20, 110, 250)

Question ID : **424429636**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude(Basic Arithmetic Skill)**

Q.1 Observe the following bar-graph carefully and answer the following questions:

BIRTH RATES OF DIFFERENT COUNTRIES
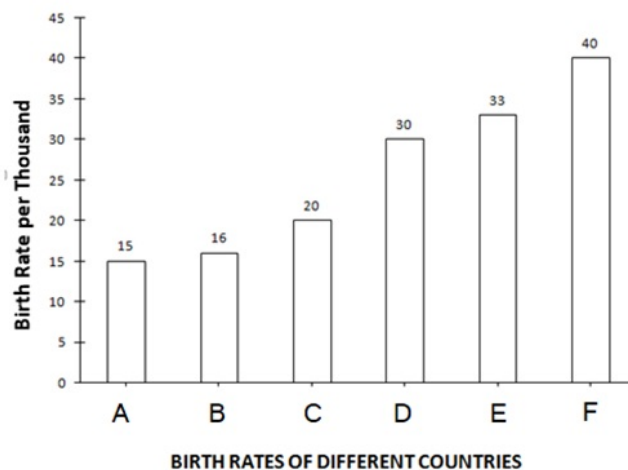
The birth rate of Country C is approximately what percentage of the birth rate of Country E?

Ans
✗ 1. 70%
✗ 2. 65%
✓ 3. 60%
✗ 4. 75%

Question ID : **424429682**
Status : **Answered**
Chosen Option : **3**

Q.2 The fourth proportional to 10, 12, 15 is:

Ans
✗ 1. 20
✓ 2. 18
✗ 3. 24
✗ 4. 22

Question ID : **424429665**
Status : **Answered**
Chosen Option : **2**

Q.3 A blanket is sold for ₹680 at the discounts of 15% and 20%. Find the printed price of the blanket.

Ans
✗ 1. ₹800
✗ 2. ₹900
✗ 3. ₹950
✓ 4. ₹1000

Question ID : **424429662**
Status : **Answered**
Chosen Option : **4**

Q.4 In how many years will a sum of ₹5,000 yield a simple interest of ₹2,000 at an interest rate of 10% p.a.?

Ans
✗ 1. 5 years

✗ 2. 3 years

✗ 3. 6 years

✔ 4. 4 years

Question ID : **424429666**
Status : **Answered**
Chosen Option : **4**

Q.5 The ratio of the areas of two squares is 16 : 1. Find the ratio between their perimeters.

Ans
✔ 1. 4 : 1

✗ 2. 12 : 1

✗ 3. 3 : 1

✗ 4. 8 : 1

Question ID : **424429660**
Status : **Answered**
Chosen Option : **1**

Q.6 A man sold his furniture at a 25% gain. Had he sold it at 15% loss, he would have received ₹800 less. Find cost price of the furniture.

Ans
✗ 1. ₹1,500

✗ 2. ₹3,000

✗ 3. ₹2,500

✔ 4. ₹2,000

Question ID : **424429664**
Status : **Answered**
Chosen Option : **4**

Q.7
Find the value of $\dfrac{cos^2 30° - sin^2 30°}{sin^2 15° + cos^2 15°}$.

Ans
✗ 1. 1

✗ 2. 0

✗ 3. $1 - \sqrt{3}$

✔ 4. $\dfrac{1}{2}$

Question ID : **424429676**
Status : **Answered**
Chosen Option : **4**

Q.8 In the given bar graph, the white bar shows the income and the black bar shows the expenditure of a company. Study the graph and answer the question that follows.
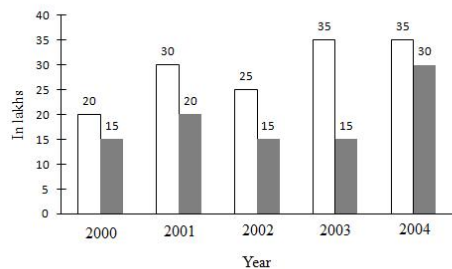
The income in 2001 was equal to the expenditure in the year:

Ans

✔ 1. 2004

✘ 2. 2000

✘ 3. 2003

✘ 4. 2002

Q.9 In the given bar graph, the white bar shows the income and the black bar shows the expenditure of company (in ₹ lakhs). Study the graph and answer the question that follows.
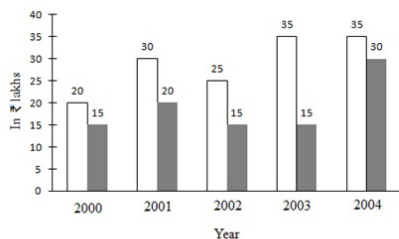
The percentage decrease in the income of the company in 2002 as compared to that in 2001 is:

Ans

✔ 1. $16\frac{2}{3}\%$

✘ 2. $24\frac{1}{3}\%$

✘ 3. 22%

✘ 4. 18%

Q.10 If $sec\theta - tan\theta = 3$, then $cos\theta$ is equal to:

Ans

✗ 1. $\dfrac{4}{9}$

✗ 2. $\dfrac{2}{5}$

✔ 3. $\dfrac{3}{5}$

✗ 4. $\dfrac{3}{7}$

Q.11 In the given figure
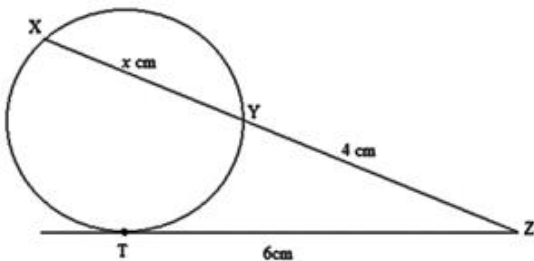
XYZ is a secant and ZT is a tangent. What is the value of x.

Ans ✔ 1. 5

✗ 2. 7

✗ 3. 8

✗ 4. 9

Q.12 If a = 355, b = 356, c = 357, then find the value of $a^3 + b^3 + c^3 - 3abc$.

Ans ✔ 1. 3204

✗ 2. 3206

✗ 3. 3202

✗ 4. 3208

Q.13 Find the value of $225 - [42 - \{25 - (18 - \overline{18 + 13})\}]$.

Ans

✗ 1. 244

✗ 2. 223

✗ 3. 222

✔ 4. 221

Question ID : **424429675**

Status : **Not Answered**

Chosen Option : **--**

Q.14 How many men will be required to plough 50 acres of land in 10 days if 15 men required 6 days to plough 10 acres of land?

Ans

✗ 1. 50

✗ 2. 40

✗ 3. 55

✔ 4. 45

Question ID : **424429658**

Status : **Answered**

Chosen Option : **4**

Q.15 Rakesh walking at the speed of 8 km/h crosses a bridge in 30 minutes. What is the length of the bridge in kilometres?

Ans

✗ 1. 5 km

✗ 2. 2 km

✗ 3. 3 km

✔ 4. 4 km

Question ID : **424429659**

Status : **Answered**

Chosen Option : **4**

Q.16 Rita's income is 15% less than Richa's income. By what percent is Richa's income more than Rita's income?

Ans

✗ 1. $14\frac{11}{17}\%$

✗ 2. $15\frac{11}{17}\%$

✗ 3. $16\frac{11}{17}\%$

✔ 4. $17\frac{11}{17}\%$

Question ID : **424429663**

Status : **Answered**

Chosen Option : **4**

Q.17 The area of the largest triangle that can be inscribed in a semi-circle of radius 4 cm in square centimetres is

Ans ✗ 1. $12\ cm^2$

✗ 2. $14\ cm^2$

✗ 3. $18\ cm^2$

✔ 4. $16\ cm^2$

Question ID : **424429670**
Status : **Answered**
Chosen Option : **4**

Q.18 If $2a + 3b = 8$ and $ab = 5$, then find the value of $4a^2 + 9b^2$.

Ans ✗ 1. 8

✗ 2. 2

✔ 3. 4

✗ 4. 6

Question ID : **424429672**
Status : **Answered**
Chosen Option : **3**

Q.19 In ΔXYZ, if G is the centroid and XL is the median with length 18 cm, then the length of XG is:

Ans ✔ 1. 12 cm

✗ 2. 14 cm

✗ 3. 10 cm

✗ 4. 16 cm

Question ID : **424429669**
Status : **Answered**
Chosen Option : **1**

Q.20 Given that the mean of five numbers is 28. If one of them is excluded, the mean gets reduced by 5. Determine the excluded number.

Ans ✗ 1. 47

✗ 2. 45

✔ 3. 48

✗ 4. 46

Question ID : **424429661**
Status : **Answered**
Chosen Option : **3**

Q.21 If $x + y = 15$ and $xy = 14$, then the value of $x - y$ is:

Ans
  ✔ 1. 13
  ✗ 2. 12
  ✗ 3. 11
  ✗ 4. 14

Q.22 In the figure
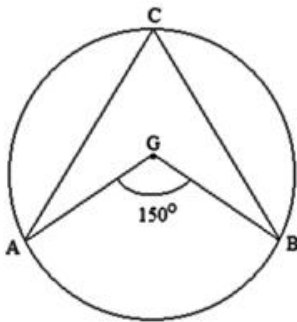
'G' is the centre of the circle. Find the angle ACB when $\angle AGB = 150°$

Ans
  ✗ 1. 50°
  ✗ 2. 65°
  ✔ 3. 75°
  ✗ 4. 60°

Q.23 Which of the following numbers is divisible by 3?

Ans
  ✔ 1. 8765001
  ✗ 2. 8703593
  ✗ 3. 8703541
  ✗ 4. 8703572

Q.24 In the given bar graph, the white bar shows the income and the black bar shows the expenditure of a company. Study the graph and answer the question that follows.
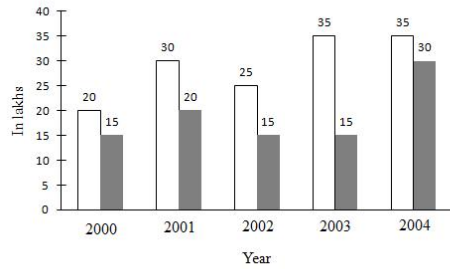
The expenditure from 2001 to 2002 decreased by:

Ans

✗ 1. $35\dfrac{1}{3}\%$

✔ 2. $33\dfrac{1}{3}\%$

✗ 3. $34\dfrac{1}{3}\%$

✗ 4. $36\dfrac{1}{3}\%$

Q.25 If $tan^2x - 3sec^2x + 3 = 0$, then the value of x $(0 \le x \le 90°)$ is:

Ans ✗ 1. 30°

✔ 2. 0°

✗ 3. 60°

✗ 4. 45°

Section : **General Awareness**

Q.1 Which of the following is the largest delta in the world?

Ans ✗ 1. Amazon Delta

✗ 2. Indus River Delta

✔ 3. Ganges-Brahmaputra Delta

✗ 4. Danube Delta

Q.2 As per Article 80 of the Constitution of India, what can be the maximum strength of Rajya Sabha?

Ans

❌ 1. 235

✔️ 2. 250

❌ 3. 240

❌ 4. 245

Question ID : **424429704**

Status : **Answered**

Chosen Option : **2**

Q.3 Who among the following lifted the 'WTA Hobart International' tennis trophy with partner Nadiia Kichenok in January 2020?

Ans

❌ 1. Ankita Raina

❌ 2. Rushmi Chakravarthi

✔️ 3. Sania Mirza

❌ 4. Karman Kaur Thandi

Question ID : **424429706**

Status : **Not Answered**

Chosen Option : **--**

Q.4 Which statement best explains why Shillong gets around 200 cm rainfall annually; whereas Cherrapunji, which is around 30 km away (as the crow flies), gets over 1250 cm of rainfall annually?

Ans

✔️ 1. Cherrapunji lies on the windward side of the Khasi hills and receives rainfall from the Bay of Bengal branch of monsoon, while Shillong lies on the leeward side of the Khasi hills, which forms the rain shadow area.

❌ 2. Cherrapunii gets rainfall from rain-laden clouds coming from the Himalayas, whereas Shillong gets rainfall from the Malabar branch of monsoon.

❌ 3. The average temperature of Shillong has gone up due to excessive deforestation and pollution.

❌ 4. Cherrapunji lies on the leeward side of the Khasi hills and Shillong lies on the windward side of the Khasi hills, and thus, gets only wind and no rain.

Question ID : **424429698**

Status : **Answered**

Chosen Option : **4**

Q.5 As of January 2020, who was the chairperson of the National Human Rights Commission of India?

Ans

❌ 1. Justice Prafulla Chandra Pant

❌ 2. Justice Cyriac Joseph

✔️ 3. Justice HL Dattu

❌ 4. Justice Pinaki Chandra Ghose

Question ID : **424429687**

Status : **Answered**

Chosen Option : **1**

Q.6 With which of the following musical instruments was the musician Palghat Mani Iyer associated?

Ans
  ✔️ 1. Mridangam

  ❌ 2. Flute

  ❌ 3. Shehnai

  ❌ 4. Sitar

Question ID : **424429686**
Status : **Not Answered**
Chosen Option : **--**

Q.7 What is 'Central Equipment Identify Register'?

Ans
  ❌ 1. A portal launched by the Government of India to identify and trace the illegal activities of criminals

  ❌ 2. A portal launched by the Government of India to enforce income and corporate tax compliance

  ✔️ 3. A portal launched by the Government of India to block and trace mobile phones

  ❌ 4. A portal launched by the Government of India to identify and trace the activities of illegal immigrants

Question ID : **424429689**
Status : **Not Answered**
Chosen Option : **--**

Q.8 _____ is the fastest to read from and write to than the other kinds of storage in a computer.

Ans
  ❌ 1. CD-ROM

  ❌ 2. Floppy disk

  ❌ 3. Hard disk

  ✔️ 4. RAM

Question ID : **424429684**
Status : **Answered**
Chosen Option : **4**

Q.9 Which of the following parks is India's first 'Mixed World Heritage Site' on UNESCO's World Heritage list?

Ans
  ❌ 1. Gir National Park

  ✔️ 2. Khangchendzonga National Park

  ❌ 3. Kanha National Park

  ❌ 4. Nagarhole National Park

Question ID : **424429685**
Status : **Not Answered**
Chosen Option : **--**

Q.10 _____ is a small, portable flash memory card that plugs into a computer's USB port and functions as a portable hard drive.

Ans ✗ 1. DVD-ROM

✓ 2. Flash drive

✗ 3. CD-ROM

✗ 4. CD-RW

Question ID : **424429683**

Status : **Answered**

Chosen Option : **2**

Q.11 How many times did Mahmud of Ghazni invade India?

Ans ✓ 1. 17

✗ 2. 7

✗ 3. 15

✗ 4. 5

Question ID : **424429700**

Status : **Answered**

Chosen Option : **1**

Q.12 In July 2018, a stable body of liquid water was found on Mars using a radar instrument on board the European Space Agency's Mars Express orbiter. The tool that was used for the discovery is called:

Ans ✗ 1. MARINER 4

✗ 2. Mars Orbiter

✗ 3. Mars Hope

✓ 4. MARSIS

Question ID : **424429694**

Status : **Not Answered**

Chosen Option : **--**

Q.13 Which day is celebrated every year as 'World Environment Day'?

Ans ✓ 1. 5th June

✗ 2. 5th March

✗ 3. 5th April

✗ 4. 5th May

Question ID : **424429697**

Status : **Answered**

Chosen Option : **1**

Q.14 Which Article of the Constitution of India provides that there shall be a Council of Ministers with the Prime Minister as its head?

Ans
- ✗ 1. Article 21(1)
- ✔ 2. Article 74(1)
- ✗ 3. Article 44
- ✗ 4. Article 34

Question ID : **424429703**

Status : **Answered**

Chosen Option : **2**

Q.15 Which of the following group of scientists was awarded the 2019 Nobel Prize in Physiology or Medicine "for their discoveries of how cells sense and adapt to oxygen availability"?

Ans
- ✗ 1. Fraser Stoddart, Jean-Pierre Sauvage and Ben Feringa
- ✗ 2. John B Goodenough, M Stanley Whittingham and Akira Yoshino
- ✗ 3. Kip Thorne, Rainer Weiss and Barry Barish
- ✔ 4. William G Kaelin Jr, Sir Peter J Ratcliffe and Gregg L Semenza

Question ID : **424429702**

Status : **Answered**

Chosen Option : **2**

Q.16 What is Gini coefficient used for?

Ans
- ✗ 1. To measure income equality
- ✔ 2. To measure income inequality
- ✗ 3. To measure distribution of income
- ✗ 4. To measure profit and loss

Question ID : **424429691**

Status : **Not Answered**

Chosen Option : **--**

Q.17 When was the 120th birth anniversary of Shaheed Udham Singh celebrated in India?

Ans
- ✗ 1. 26 November 2019
- ✗ 2. 26 September 2019
- ✗ 3. 26 October 2019
- ✔ 4. 26 December 2019

Question ID : **424429688**

Status : **Answered**

Chosen Option : **3**

Q.18 As of January 2020, who among the following had the distinction of having the highest career batting average in One Day Internationals?

Ans ✗ 1. Sachin Tendulkar

✗ 2. Virat Kohli

✓ 3. Ryan ten Doeschate

✗ 4. Steven Smith

Question ID : **424429707**

Status : **Answered**

Chosen Option : **3**

Q.19 Whose birth anniversary is celebrated as National Sports Day every year on 29 August?

Ans ✗ 1. Ranjitsinhji Vibhaji Jadeja

✓ 2. Dhyan Chand

✗ 3. Dilip Sardesai

✗ 4. PT Usha

Question ID : **424429705**

Status : **Answered**

Chosen Option : **2**

Q.20 Who was the last Viceroy of India who oversaw the creation of the independent states of India and Pakistan?

Ans ✗ 1. Lord Canning

✓ 2. Lord Mountbatten

✗ 3. Lord Irwin

✗ 4. Lord Hastings

Question ID : **424429699**

Status : **Answered**

Chosen Option : **2**

Q.21 Where is Valmiki Tiger Reserve located?

Ans ✓ 1. West Champaran, Bihar

✗ 2. Lakhimpur Kheri, Uttar Pradesh

✗ 3. Ranthambore, Rajasthan

✗ 4. Chandrapur, Maharashtra

Question ID : **424429695**

Status : **Answered**

Chosen Option : **4**

Q.22 As of January 2020, who among the following had the distinction of having scored the most goals at a single tournament in the entire history of FIFA World Cup?

Ans ✔ 1. Just Fontaine

✘ 2. Zinedine Zidane

✘ 3. Pele

✘ 4. Diego Maradona

Question ID : **424429701**

Status : **Answered**

Chosen Option : **4**

Q.23 In which of the following states/union territories are you more likely to find the natural habitat of the one-horned rhinoceros (Indian Rhino)?

Ans ✘ 1. Jammu & Kashmir

✘ 2. Sikkim

✔ 3. Assam

✘ 4. Ladakh

Question ID : **424429696**

Status : **Answered**

Chosen Option : **3**

Q.24 Among various electrical safety devices, one based on the heating effect of electric current is called a:

Ans ✘ 1. Capacitor

✔ 2. Fuse

✘ 3. Protective relay

✘ 4. Surge protector

Question ID : **424429692**

Status : **Answered**

Chosen Option : **2**

Q.25 With which of the following is 'Operation Flood' related?

Ans ✘ 1. India's mining industry

✘ 2. India's farming industry

✘ 3. India's poultry industry

✔ 4. India's dairy industry

Question ID : **424429690**

Status : **Answered**

Chosen Option : **4**