# Combined Higher Secondary Level Examination 2020 (Tier-I)

| Roll Number | www.qmaths.in |
|---|---|
| Candidate Name | www.qmaths.in |
| Venue Name | iON DIGITAL Zone iDZ Vishnupuri |
| Exam Date | 15/04/2021 |
| Exam Time | 12:00 PM - 1:00 PM |
| Subject | Combined Higher Secondary Level Exam 2020 |

Section : **English Language**

**Q.1** Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.

A. These young cadets undergo a rigorous training program which is aimed to prepare them for the Armed Forces.
B. Finally after the Senior Secondary examination these cadets compete to qualify for entry into the National Defence Academy located in Pune.
C. It is also referred to as the Cradle or Excellence which trains cadets from the early age of 12.
D. Nestled in a lush green campus of 18 acres in Dehradun Cantonment is the RIMC, the Rashtriya Indian Military Academy.

**Ans** ✗ 1. DABC

✗ 2. ABDC

✓ 3. DCAB

✗ 4. CABD

| Question ID : **6549789667** |
|---|
| Status : **Answered** |
| Chosen Option : **3** |

**Q.2** Select the most appropriate ANTONYM of the given word.

HORRENDOUS

**Ans** ✗ 1. frightening

✓ 2. pleasant

✗ 3. watchful

✗ 4. dreary

| Question ID : **6549789671** |
|---|
| Status : **Answered** |
| Chosen Option : **2** |

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

Courts are _____ of the Constitution as they are expected to see that it is always respected.

Ans ✘ 1. masters

✔ 2. sentinels

✘ 3. leaders

✘ 4. dictators

Question ID : **6549789681**
Status : **Answered**
Chosen Option : **1**

**Q.4** Select the correct passive form of the given sentence.

Anant likes experimenting with different cuisines.

Ans ✘ 1. Different cuisines like experimenting with Anant.

✔ 2. Experimenting with different cuisines is liked by Anant.

✘ 3. Different cuisines are being experimented with by Anant.

✘ 4. Anant had liked experimenting with different cuisines.

Question ID : **6549789656**
Status : **Answered**
Chosen Option : **3**

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

According to Soli Sorabjee, listening to cases being argued in court can be _____ but there are lighter moments too.

Ans ✔ 1. tedious

✘ 2. entertaining

✘ 3. lively

✘ 4. fun

Question ID : **6549788973**
Status : **Answered**
Chosen Option : **1**

**Q.6** Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'

It is the responsibility of all of us to invest time and effort in verifying information and <u>not follow victim</u> to fake news.

Ans ✘ 1. not falls victim

✘ 2. not following victim

✔ 3. not fall victim

✘ 4. No improvement

Question ID : **6549789668**
Status : **Answered**
Chosen Option : **2**

**Q.7** Select the correct indirect form of the given sentence.

"Let's not have non-vegetarian meals in summer," Aruna said to her son.

**Ans** ✗ 1. Aruna will suggest to her son that they should not have non-vegetarian meals in summer.

✗ 2. Aruna suggesting to her son that we should not have non-vegetarian meals in summer.

✗ 3. Aruna has been suggesting to her son that they should not have non-vegetarian meals in summer.

✔ 4. Aruna suggested to her son that they should not have non-vegetarian meals in summer.

Question ID : **6549788950**

Status : **Answered**

Chosen Option : **4**

**Q.8** In the given sentence, identify the segment which contains the grammatical error.

Economists have declared that 2020 graduates will face the worse job depression since the Great Depression because of the COVID-19 pandemic.

**Ans** ✗ 1. because of the COVID-19 pandemic

✗ 2. Economists have declared that 2020 graduates

✔ 3. will face the worse job depression

✗ 4. since the Great Depression

Question ID : **6549788951**

Status : **Answered**

Chosen Option : **2**

**Q.9** Select the option which means the same as the group of words given.

A patient with imaginary symptoms and diseases

**Ans** ✗ 1. alcoholic

✗ 2. melancholic

✔ 3. hypochondriac

✗ 4. cardiac

Question ID : **6549788970**

Status : **Answered**

Chosen Option : **3**

**Q.10** Examine the four jumbled sentences. Out of the given options, pick the one that gives
their correct order.

A. Our first impression was that both seemed a bit depressed.
B. It was much later that they became our close friends and confided about their son's
tragic death.
C. The Mehras were newcomers to the neighbourhood.
D. My wife and I called on them to enquire if they needed any help.

**Ans**   ✗ 1. BDAC

✗ 2. DBAC

✔ 3. CDAB

✗ 4. ACDB

Question ID : **6549788959**

Status : **Answered**

Chosen Option : **3**

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

**Be glad to see the back of**

**Ans**   ✗ 1. Be relieved at another's failure

✗ 2. Be happy at another's success

✗ 3. Be happy to see someone again

✔ 4. Be happy when a person leaves

Question ID : **6549788965**

Status : **Answered**

Chosen Option : **3**

**Q.12** Select the option which means the same as the group of words given.

**An act of breaking or failing to observe a law**

**Ans**   ✗ 1. brusque

✗ 2. braid

✗ 3. brooch

✔ 4. breach

Question ID : **6549789676**

Status : **Answered**

Chosen Option : **4**

**Q.13** Select the most appropriate synonym of the given word.

**RAGGED**

**Ans**   ✗ 1. golden

✗ 2. original

✔ 3. torn

✗ 4. smooth

Question ID : **6549788971**

Status : **Answered**

Chosen Option : **3**

**Q.14** Select the INCORRECTLY spelt word.

**Ans**

✗ 1. tattle

✔ 2. belitle

✗ 3. embattle

✗ 4. turtle

Question ID : **6549788968**

Status : **Answered**

Chosen Option : **2**

**Q.15** Select the most appropriate meaning of the given idiom.

**By the skin of one's teeth**

**Ans**

✔ 1. By a very narrow margin

✗ 2. Without anyone's help

✗ 3. With the help of someone

✗ 4. By a very big margin

Question ID : **6549789673**

Status : **Answered**

Chosen Option : **1**

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

**I have made it a point to call my teachers on September 5 as a token of mine gratitude.**

**Ans**

✔ 1. of mine gratitude

✗ 2. it a point to call my teachers

✗ 3. on September 5 as a token

✗ 4. I have made

Question ID : **6549789659**

Status : **Answered**

Chosen Option : **1**

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

**ADULATION**

**Ans**

✗ 1. scorn

✗ 2. aversion

✗ 3. apathy

✔ 4. adoration

Question ID : **6549789679**

Status : **Answered**

Chosen Option : **4**

**Q.18  Select the INCORRECTLY spelt word.**

**Ans**  ❌ 1. inapplicable

❌ 2. smallish

❌ 3. forbidding

✅ 4. seperate

| | |
|---|---|
| Question ID : **6549789674** | |
| Status : **Answered** | |
| Chosen Option : **2** | |

**Q.19  Select the most appropriate ANTONYM of the given word.**

**MEAGRE**

**Ans**  ❌ 1. scares

✅ 2. sufficient

❌ 3. scanty

❌ 4. deficient

| | |
|---|---|
| Question ID : **6549788963** | |
| Status : **Answered** | |
| Chosen Option : **2** | |

**Q.20  Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'**

**Sitab has learnt how to cook really well as he regularly watching YouTube videos.**

**Ans**  ✅ 1. watches

❌ 2. No improvement

❌ 3. watch

❌ 4. will watch

| | |
|---|---|
| Question ID : **6549788962** | |
| Status : **Answered** | |
| Chosen Option : **1** | |

Toppers Choice: "Blackbook of English Vocabulary" and "Blackbook of General Awareness".

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8/20/2021, 7:37 PM

**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.

In order to promote reading we must become role models for the young by setting (1) _____ our own smart phones to lose ourselves in a book. We too (2) _____ switch off our devices and set aside a space and time to (3) _____ old habits that once transported us to the world of (4) _____. Studies report that such deep reading leads one to become sensitive and (5) _____ citizens of the community.

**SubQuestion No : 21**

**Q.21** **Select the most appropriate option for blank no. 1.**

**Ans** ✗ 1. about

✗ 2. out

✔ 3. aside

✗ 4. apart

Question ID : **6549789661**

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.

In order to promote reading we must become role models for the young by setting (1) _____ our own smart phones to lose ourselves in a book. We too (2) _____ switch off our devices and set aside a space and time to (3) _____ old habits that once transported us to the world of (4) _____. Studies report that such deep reading leads one to become sensitive and (5) _____ citizens of the community.

**SubQuestion No : 22**

**Q.22** **Select the most appropriate option for blank no. 2.**

**Ans** ✗ 1. Shall

✗ 2. might

✔ 3. should

✗ 4. ought

Question ID : **6549789662**

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.

In order to promote reading we must become role models for the young by setting (1) _____ our own smart phones to lose ourselves in a book. We too (2) _____ switch off our devices and set aside a space and time to (3) _____ old habits that once transported us to the world of (4) _____. Studies report that such deep reading leads one to become sensitive and (5) _____ citizens of the community.

**SubQuestion No : 23**

**Q.23** **Select the most appropriate option for blank no. 3.**

**Ans** ✗ 1. reconstruct

✗ 2. redo

✗ 3. react

✔ 4. reignite

Question ID : **6549789663**

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.

In order to promote reading we must become role models for the young by setting (1) _____ our own smart phones to lose ourselves in a book. We too (2) _____ switch off our devices and set aside a space and time to (3) _____ old habits that once transported us to the world of (4) _____. Studies report that such deep reading leads one to become sensitive and (5) _____ citizens of the community.

**SubQuestion No : 24**

**Q.24** **Select the most appropriate option for blank no. 4.**

**Ans** ✗ 1. imagines

✔ 2. imagination

✗ 3. imaginative

✗ 4. imagine

Question ID : **6549789664**

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.

In order to promote reading we must become role models for the young by setting (1) _____ our own smart phones to lose ourselves in a book. We too (2) _____ switch off our devices and set aside a space and time to (3) _____ old habits that once transported us to the world of (4) _____. Studies report that such deep reading leads one to become sensitive and (5) _____ citizens of the community.

**SubQuestion No : 25**

**Q.25 Select the most appropriate option for blank no. 5.**

**Ans**  ✖ 1. thoughtfulness

✖ 2. thoughtless

✔ 3. thoughtful

✖ 4. thoughtfully

Question ID : **6549789665**

Status : **Answered**

Chosen Option : **3**

Section : **General Intelligence**

**Q.1 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:**
**All jasmines are flowers.**
**No flower is a plant.**
**Some plants are herbs.**

**Conclusions:**
**I. Some jasmines are herbs.**
**II. No flower is a herb.**
**III. No jasmine is a flower.**

**Ans**  ✔ 1. Either conclusion I or II follows .

✖ 2. Only conclusion I follows .

✖ 3. Only conclusions II and III follow .

✖ 4. Only conclusions I and II follow.

Question ID : **6549789699**

Status : **Answered**

Chosen Option : **1**

**Q.2 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.**

**Ans**  ✔ 1. JFCY

✖ 2. RVYC

✖ 3. MQTX

✖ 4. LHFB

Question ID : **6549788990**

Status : **Answered**

Chosen Option : **4**

**Q.3** Select the option in which the numbers are related in the same way as are the numbers of the following set.

**{8, 24, 6}**

**Ans** ✗ 1. {8, 16, 3}

✔ 2. {3, 12, 8}

✗ 3. {14, 44, 8}

✗ 4. {9, 40, 8}

Question ID : **6549789685**

Status : **Answered**

Chosen Option : **2**

**Q.4** Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

**10 : 17**

**Ans** ✔ 1. 26 : 37

✗ 2. 35 : 50

✗ 3. 17 : 28

✗ 4. 20 : 32

Question ID : **6549788977**

Status : **Answered**

Chosen Option : **1**

**Q.5** Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different.

**Ans** ✔ 1. 518

✗ 2. 344

✗ 3. 126

✗ 4. 1332

Question ID : **6549788981**

Status : **Answered**

Chosen Option : **1**

**Q.6** 'Accident' is related to 'Carelessness' in the same way as 'Success' is related to '_____'.

**Ans** ✗ 1. Employment

✗ 2. Promotion

✔ 3. Diligence

✗ 4. Progress

Question ID : **6549789693**

Status : **Answered**

Chosen Option : **4**

**Q.7** **B and D are cousin brothers. A is the father of B and the uncle of C, who is the sister of D. C's mother is married to E, who is the brother of A. How is B related to C's father?**

**Ans**

❌ 1. Son

❌ 2. Brother-in-law

❌ 3. Uncle

✅ 4. Nephew

Question ID : **6549788887**

Status : **Answered**

Chosen Option : **4**

**Q.8** **Select the option in which the numbers are related in the same way as are the numbers of the following set.**

**{9, 21, 16}**

**Ans**

❌ 1. {4, 20, 18}

✅ 2. {36, 42, 64}

❌ 3. {8, 60, 12}

❌ 4. {16, 32, 25}

Question ID : **6549788979**

Status : **Answered**

Chosen Option : **2**

**Q.9** Two different positions of the same dice are shown. Select the number that will be at the top if '1' is at the bottom.
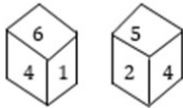


**Ans**

✅ 1. 5

❌ 2. 4

❌ 3. 6

❌ 4. 2

Question ID : **6549788993**

Status : **Answered**

Chosen Option : **1**

**Q.10** In the given diagram, the shapes indicate the categories of persons. The numbers given in the different segments represent the number of persons in that category.

How many dancers are either gymnasts or singers but NOT both?
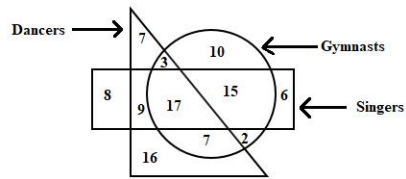


**Ans**

✗ 1. 15

✗ 2. 11

✔ 3. 19

✗ 4. 22

Question ID : **6549788999**

Status : **Answered**

Chosen Option : **3**

**Q.11** 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.

**PRMV : KMHQ : : SQVM : ?**

**Ans** ✗ 1. VXSB

✗ 2. NLPG

✔ 3. NLQH

✗ 4. OMRJ

Question ID : **6549789692**

Status : **Answered**

Chosen Option : **3**

**Q.12** In a certain code language, PRICK is coded as 30 and MAKE is coded as 12. How will CRAZY be coded in that language?

**Ans** ✔ 1. 28

✗ 2. 30

✗ 3. 24

✗ 4. 35

Question ID : **6549788984**

Status : **Answered**

Chosen Option : **1**

**Q.13** Select the figure that will come next in the following series.



**Ans**

✗ 1.


✗ 2.


✗ 3.


✔ 4.
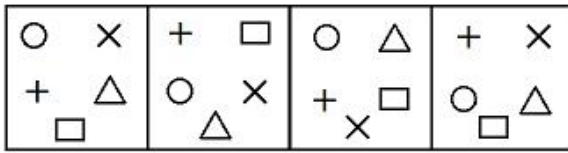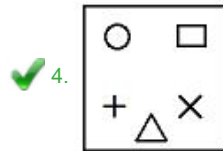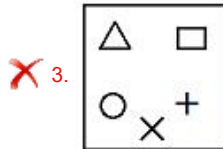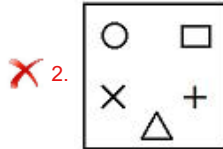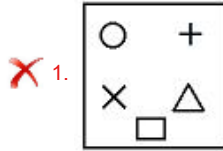

Question ID : **6549788994**

Status : **Answered**

Chosen Option : **4**

**Q.14** In a certain code language, PLEASANT is written as BFMQUOBT. How will DISTANCE be written in that language?
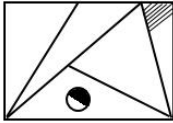
**Ans** ✗ 1. TJEBUFDO

✗ 2. UTESBFOD

✔ 3. UTJEFDOB

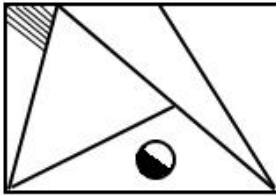✗ 4. UTJEBODF

Question ID : **6549789690**

Status : **Answered**

Chosen Option : **2**

**Q.15** Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.
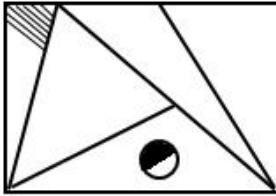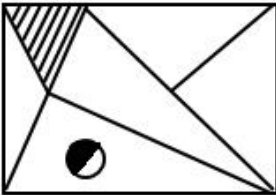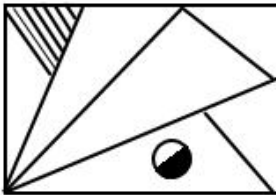


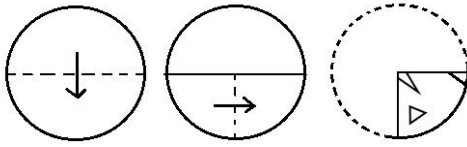**Ans**



X 1.



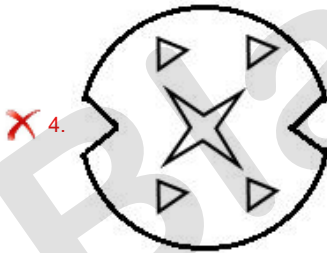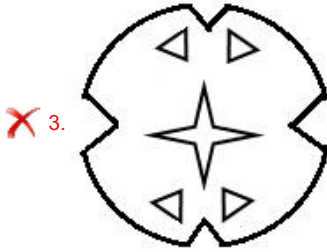✔ 2.
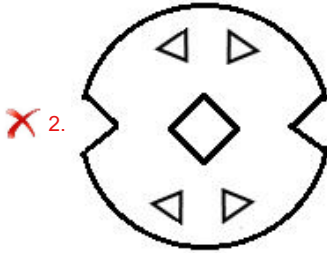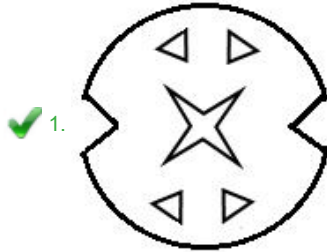


X 3.



X 4.

Question ID : **6549789705**
Status : **Answered**
Chosen Option : **1**

**Q.16** The sequence of folding a piece of circular paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



**Ans**



✔ 1.



✘ 2.



✘ 3.



✘ 4.

Question ID : **6549789704**
Status : **Answered**
Chosen Option : **1**

**Q.17** Select the number from among the given options that can replace the question mark
(?) in the following series.

**1, 6, 25, 76, ?, 154**

Ans ✔ 1. 153

✘ 2. 134

✘ 3. 164

✘ 4. 123

Question ID : **6549789687**

Status : **Answered**

Chosen Option : **3**

**Q.18** Four letter-clusters have been given, out of which three are alike in some manner and
one is different. Select the letter-cluster that is different.

Ans ✘ 1. MPJH

✘ 2. YBVT

✔ 3. DGBZ

✘ 4. GJDB

Question ID : **6549789698**

Status : **Answered**

Chosen Option : **3**

**Q.19** Which two signs should be interchanged to make the following equation correct?

**18 – 12 ÷ 4 + 8 × 2 = 5**

Ans ✘ 1. ÷ and ×

✘ 2. – and ÷

✘ 3. + and ÷

✔ 4. + and –

Question ID : **6549789683**

Status : **Answered**

Chosen Option : **3**

**Q.20** Select the option in which the words share the same relationship as that shared by the
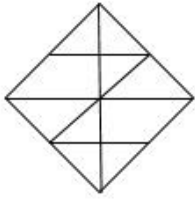given pair of words.

**Anger : Emotion**

Ans ✘ 1. Table : Wood

✔ 2. Rabbit : Mammal

✘ 3. Alertness : Courage

✘ 4. Grass : Lawn

Question ID : **6549788989**

Status : **Answered**

Chosen Option : **1**

**Q.21** How many triangles are there in the following figure?



**Ans** ✗ 1. 18

✗ 2. 16

✔ 3. 20

✗ 4. 22

Question ID : **6549788995**
Status : **Answered**
Chosen Option : **1**

**Q.22** Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series

**g_ ctd_ wpmz_pctdawp_zgpct_a_pmz**

**Ans** ✔ 1. pagmdw

✗ 2. pgadmw

✗ 3. pamgwd

✗ 4. pgdamw

Question ID : **6549788179**
Status : **Answered**
Chosen Option : **1**

**Q.23** The price of fuel has now increased by 20%. If a customer wants to keep his expenditure on fuel the same, he should reduce the consumption of the quantity of fuel by:

**Ans** ✗ 1. $12\frac{1}{2}\%$

✔ 2. $16\frac{2}{3}\%$

✗ 3. 15%

✗ 4. 20%

Question ID : **6549788975**
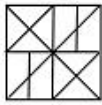Status : **Answered**
Chosen Option : **2**

**Q.24** Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 
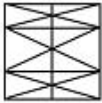
Question ID : **6549789703**
Status : **Answered**
Chosen Option : **1**

**Q.25** Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Cook
2. Morning
3. Lunch
4. Fish
5. Market
6. Dish

Ans ✔ 1. 2, 5, 4, 1, 6, 3

✘ 2. 4, 5, 2, 6, 3, 1

✘ 3. 5, 2, 4, 1, 6, 3

✘ 4. 4, 1, 6, 3, 2, 5

Question ID : **6549788982**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

**Q.1** If 9685 is divided into three parts in such a way that one-fourth of the first part, one-third of the second part and one-sixth of the third part are equal, then what is the first part?

Ans ✘ 1. 4470

✔ 2. 2980

✘ 3. 2253

✘ 4. 2235

Question ID : **6549789007**
Status : **Answered**
Chosen Option : **2**

**Q.2** Study the line graph and answer the question that follows.

The line graph represents the number of vehicles (in thousands) manufactured by two automobile companies A and B over the years from 2010 to 2015. The X-axis represents the years and the Y-axis represents number of vehicles in thousands.

(The data shown here is only for mathematical exercise. They do not represent the actual figures of the country.)

Number of Vehicles Manufactured by Two
Automobile Companies over the Years from
2010 to 2015  (Number in Thousands)
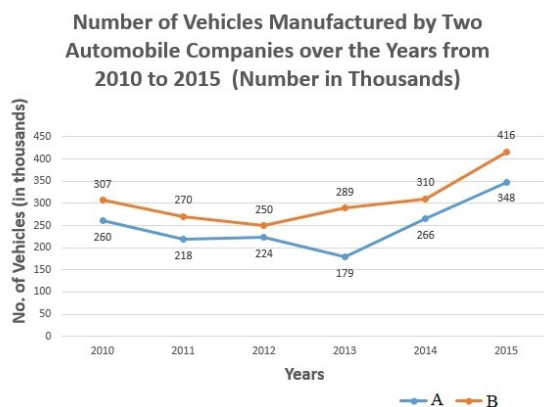


If there was an increase of 24% in the average number of vehicles (in thousands) manufactured by Company B during 2011 to 2014 with respect to number of vehicles manufactured by Company A in 2009, then how many vehicles (in thousands) did Company A manufacture in 2009?

**Ans**
✔ 1. 225.6
✘ 2. 257.6
✘ 3. 247.6
✘ 4. 274.6

Question ID : **6549789730**
Status : **Not Answered**
Chosen Option : **--**

**Q.3** Two persons P and Q are 844 m apart. They both start cycling simultaneously in the same direction with speeds of 12 m/s and 8 m/s, respectively. In how much time will P overtake Q?

**Ans**
✘ 1. 3 minutes and 18 seconds
✘ 2. 3 minutes and 24 seconds
✔ 3. 3 minutes and 31 seconds
✘ 4. 3 minutes and 20 seconds

Question ID : **6549789001**
Status : **Answered**
Chosen Option : **3**

**Q.4** Study the given pie-chart and answer the question that follows.

The pie-chart represents the percentage distribution of candidates qualified in a bank examination from six different districts of a State in 2016. The total number of qualified candidates from the State is 68000.

**The percentage distribution of candidates qualified for a bank examination from six districts A, B, C, D, E, and F of a State**

E, 9%  F, 5%  A, 15%

D, 18%

B, 25%

C, 28%

Districts ■ A   ■ B   ■ C   ■ D   ■ E   ■ F
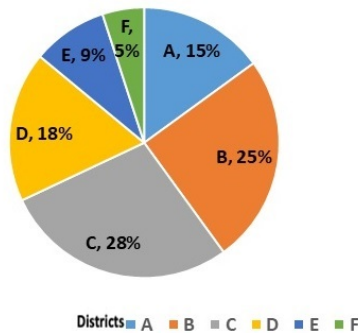
If 22% and 20% of the qualified students from Districts B and C, respectively, were 22 years old or below, then the number of qualified students who were above 22 years from District B is what percent (to the nearest integer) of the number of qualified students who were above 22 years from District C?

**Ans**   ✔ 1. 87

✘ 2. 80

✘ 3. 67

✘ 4. 60

Question ID : **6549789024**

Status : **Answered**

Chosen Option : **2**

**Q.5** Study the line graph and answer the question that follows.

The line graph represents the number of vehicles (in thousands) manufactured by two automobile companies A and B over the years from 2010 to 2015. The X-axis represents the years and the Y-axis represents number of vehicles in thousands.

(The data shown here is only for mathematical exercise. They do not represent the actual figures of the country.)

**Number of Vehicles Manufactured by Two Automobile Companies over the Years from 2010 to 2015 (Number in Thousands)**
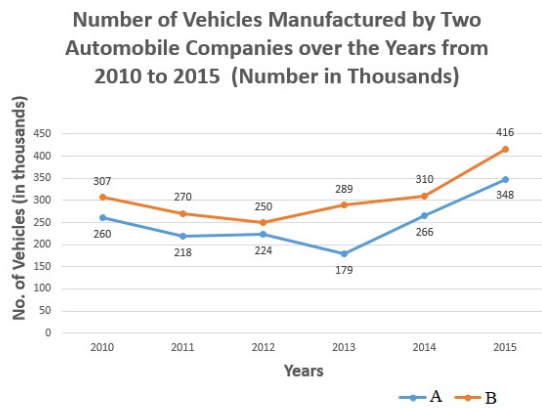


What is the difference between the average number of vehicles (in thousands) of the companies A and B for the years 2010, 2012, 2014 and 2015?

**Ans** ✗ 1. 48.25

✗ 2. 45.75

✗ 3. 50.25

✓ 4. 46.25

Question ID : **6549789728**

Status : **Not Answered**

Chosen Option : **--**

**Q.6** By selling an article for ₹8,670, a man loses 15%. At what price (in ₹) should he sell it in order to make a profit of 15%?

**Ans** ✗ 1. 23,560

✓ 2. 11,730

✗ 3. 13,370

✗ 4. 18,590

Question ID : **6549789713**

Status : **Answered**

Chosen Option : **2**

**Q.7** If $\tan\theta = 15$, then what is the value of $\sec\theta$?

**Ans**

✗ 1. $\sqrt{224}$

✔ 2. $\sqrt{226}$

✗ 3. $\dfrac{1}{\sqrt{226}}$

✗ 4. $\dfrac{1}{\sqrt{224}}$

Question ID : **6549789725**

Status : **Answered**

Chosen Option : **2**

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**Q.8** What is the value of $\dfrac{\tan^2 60° - 2\sin^2 45°}{\cos 24°\cos 37°\csc 53°\cos 60°\csc 66° + \sin^2 60°}$

**Ans**

✗ 1. $1\dfrac{4}{5}$

✔ 2. $1\dfrac{3}{5}$

✗ 3. 2

✗ 4. 1

Question ID : **6549789019**

Status : **Answered**

Chosen Option : **2**

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**Q.9** Two successive discounts of 40% and 20%, respectively, on the marked price of an article are equal to a single discount of ₹988. The marked price (in ₹) of the article is:

**Ans**

✗ 1. 2,470

✔ 2. 1,900

✗ 3. 2,200

✗ 4. 2,070

Question ID : **6549789711**

Status : **Answered**

Chosen Option : **2**

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**Q.10** If $(3p - 5m) = 5$ and $pm = 6$, then what is the value of $(9p^2 - 25m^2)$?

**Ans**

✗ 1. $\pm 30\sqrt{10}$

✗ 2. $30\sqrt{10}$

✔ 3. $\pm 5\sqrt{385}$

✗ 4. $5\sqrt{385}$

Question ID : **6549789722**

Status : **Answered**

Chosen Option : **2**

**Q.11** When an integer n is divided by 6, the remainder is 5. What is the remainder if 9n is divided by 6?

**Ans**
✗ 1. 4
✔ 2. 3
✗ 3. 5
✗ 4. 2

Question ID : **6549789016**
Status : **Answered**
Chosen Option : **2**

**Q.12** A number is mistakenly multiplied by $\frac{7}{5}$ instead of being multiplied by $\frac{3}{2}$. What is the percentage change in the result due to this mistake?

**Ans**
✗ 1. $3\frac{2}{3}$ %

✔ 2. $6\frac{2}{3}$ %

✗ 3. $7\frac{2}{3}$ %

✗ 4. $5\frac{2}{3}$ %

Question ID : **6549789005**
Status : **Answered**
Chosen Option : **2**

**Q.13** A can complete a piece of work in 7 days and B can complete the same work in 12 days. A and B worked together for 3 days. C alone completed the remaining work in 9 days. How many days will C take to complete the same work entirely?

**Ans**
✗ 1. 14
✔ 2. 28
✗ 3. 21
✗ 4. 35

Question ID : **6549789707**
Status : **Answered**
Chosen Option : **2**

**Q.14** If $(7x + 3)^3 + (x - 2)^3 + 27(2x - 5)^3 = 9(7x + 3)(x - 2)(2x - 5)$,

then the value of $5x + 3$ is:

**Ans**
✗ 1. 2
✗ 2. 10
✗ 3. 6
✔ 4. 8

Question ID : **6549789721**
Status : **Answered**
Chosen Option : **4**

**Q.15** If the simple interest for 9 years be equal to 45% of the principal, then the rate of interest per annum is equal to:

**Ans**

✗ 1. 6%

✗ 2. 8%

✓ 3. 5%

✗ 4. 9%

Question ID : **6549789008**

Status : **Answered**

Chosen Option : **3**

**Q.16** Solve for x:

$$\sin^2 x - 4\sin x + 3 = 0, 0 \le x \le \frac{\pi}{2}$$

**Ans**

✗ 1. $\frac{\pi}{3}$

✗ 2. $\frac{\pi}{6}$

✓ 3. $\frac{\pi}{2}$

✗ 4. $\frac{\pi}{4}$

Question ID : **6549789727**

Status : **Answered**

Chosen Option : **3**

**Q.17** What is the length (in cm) of the longest rod that can be fitted in a box of dimensions 28 cm × 4 cm × 10 cm?

**Ans**

✗ 1. 36

✗ 2. 42

✗ 3. 25

✓ 4. 30

Question ID : **6549789709**

Status : **Answered**

Chosen Option : **4**

**Q.18** The perimeter of an isosceles triangle is 3.6 m and its base is 30 cm shorter than each of the equal sides. What is the area (in $m^2$) of the triangle?

**Ans**

✗ 1. 0.72

✓ 2. 0.6

✗ 3. 0.8

✗ 4. 0.54

Question ID : **6549789719**

Status : **Answered**

Chosen Option : **2**

**Q.19** The given pie charts show the distribution of students of graduate and postgraduate levels in five different institutes, P, Q, R, S and T, in a town. Study the pie charts and answer the question that follows.

(i) Total number of students of graduate level in five different institutes = 12400
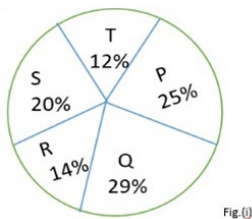


Fig.(i)

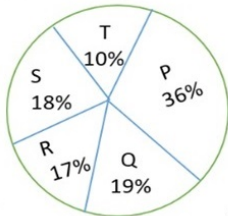(ii) Total number of students of postgraduate level in five different institutes = 8000



Fig.(ii)

The number of students in graduate level in institute S is approximately what percentage more than the number of students in post graduate level in institute S?

(correct to one decimal place)

**Ans**

✗ 1. 62.2%

✗ 2. 74.4%

✗ 3. 70.2%

✔ 4. 72.2%

Question ID : **6549787608**
Status : **Answered**
Chosen Option : **2**

**Q.20** The sides AB and AC of a Δ ABC are produced up to points D and E. The bisectors of the exterior angles so formed, intersect each other at point I. If $\angle ACB$ is $66°$ and $\angle ABC = 44°$, then what is the measure (in degrees) of $\angle BIC$?

**Ans**

✗ 1. 48

✔ 2. 55

✗ 3. 50

✗ 4. 52

Question ID : **6549789011**
Status : **Answered**
Chosen Option : **3**

**Q.21** The sum of the radii of two circles is 286 cm and the area between the concentric circles is 50336 $cm^2$. What are the radii (in cm) of the two circles? Take $\pi = \frac{22}{7}$.

**Ans** ✗ 1. 91 and 84

✗ 2. 171 and 84

✗ 3. 115 and 91

✓ 4. 115 and 171

Question ID : **6549789717**

Status : **Answered**

Chosen Option : **3**

**Q.22** The diameter of a semicircle is 5.6 m. What is its perimeter (in m, correct to one decimal place)? (Take $\pi = \frac{22}{7}$.)

**Ans** ✓ 1. 14.4

✗ 2. 17.6

✗ 3. 11.2

✗ 4. 8.8

Question ID : **6549789009**

Status : **Answered**

Chosen Option : **1**

**Q.23** If $x + y = 5$ and $x^2 + y^2 = 17$ then the value of $(x-y)^2$ is equal to:

**Ans** ✗ 1. 4

✓ 2. 9

✗ 3. 16

✗ 4. 25

Question ID : **6549789013**

Status : **Answered**

Chosen Option : **2**

**Q.24** The average monthly expenditure of a man is ₹2,400 during the first three months, ₹3,500 during the next five months and ₹4,800 for the remaining four months. If his total saving is ₹3,500 during the entire year, then what is his average monthly income (in ₹)?

**Ans** ✗ 1. 4,100

✓ 2. 3,950

✗ 3. 3,700

✗ 4. 4,550

Question ID : **6549789003**

Status : **Answered**

Chosen Option : **2**

**Q.25** What is the value of:

$$\frac{\left[\frac{1}{9} \div \frac{1}{9} \, of \, \frac{1}{9}\right] \times \frac{1}{9}}{\frac{1}{9} + \frac{1}{9} \, of \, \frac{1}{9}} \, ?$$

**Ans**

✗ 1. $8\frac{1}{81}$

✔ 2. $8\frac{1}{10}$

✗ 3. $9\frac{1}{10}$

✗ 4. $9\frac{1}{81}$

Question ID : **6549789724**

Status : **Answered**

Chosen Option : **3**

Section : **General Awareness**

**Q.1** Who among the following is the author of the book 'A Fine Balance'?

**Ans** ✗ 1. Amitav Ghosh

✗ 2. Arvind Adiga

✗ 3. Shashi Tharoor

✔ 4. Rohinton Mistry

Question ID : **6549789750**

Status : **Answered**

Chosen Option : **2**

**Q.2** Identify the revolutionary from West Bengal who participated in the freedom movement.

**Ans** ✗ 1. Balakrishnan Nair

✗ 2. Puli Thevar

✗ 3. Mukunda Kakati

✔ 4. Khudiram Bose

Question ID : **6549789042**

Status : **Answered**

Chosen Option : **4**

**Q.3** Who among the following was the first para-athlete to receive the Rajiv Gandhi Khel Ratna?

**Ans**
  ✗ 1. Naresh Kumar Sharma

  ✔ 2. Devendra Jhajharia

  ✗ 3. Mariyappan Thangavelu

  ✗ 4. Varun Singh Bhati

Question ID : **6549789755**

Status : **Answered**

Chosen Option : **3**

**Q.4** Which of the following does NOT have an opportunity cost?

**Ans**
  ✗ 1. Soap

  ✗ 2. Stylus

  ✔ 3. Sunlight

  ✗ 4. Software

Question ID : **6549789032**

Status : **Answered**

Chosen Option : **3**

**Q.5** Which of the following ministries had the highest percentage increase in budgetary allocation for Budget 2020-21?

**Ans**
  ✗ 1. Ministry of Agriculture and Farmers' Welfare

  ✔ 2. Ministry of Communications

  ✗ 3. Ministry of Home Affairs

  ✗ 4. Ministry of Housing and Urban Affairs

Question ID : **6549789740**

Status : **Answered**

Chosen Option : **1**

**Q.6** In which of the following Indian states is the Bar Navapara Wildlife Sanctuary located?

**Ans**
  ✗ 1. Assam

  ✗ 2. Karnataka

  ✗ 3. Sikkim

  ✔ 4. Chhattisgarh

Question ID : **6549789745**

Status : **Answered**

Chosen Option : **3**

**Q.7** **Which of the following states ranked second in Niti Aayog's Export Preparedness Index 2020?**

**Ans** ✗ 1. Tamil Nadu

✔ 2. Maharashtra

✗ 3. Gujarat

✗ 4. Kerala

Question ID : **6549789738**

Status : **Answered**

Chosen Option : **2**

**Q.8** **Which of the following is India's fastest super computer as of December 2020?**

**Ans** ✗ 1. SAGA-220

✗ 2. Mihir (Cray XC40)

✗ 3. Pratyush (Cray XC40)

✔ 4. PARAM Siddhi-AI

Question ID : **6549789025**

Status : **Answered**

Chosen Option : **4**

**Q.9** **With which of the following states is the traditional instrument called 'Pena' associated?**

**Ans** ✔ 1. Manipur

✗ 2. Kerala

✗ 3. Goa

✗ 4. Sikkim

Question ID : **6549789735**

Status : **Answered**

Chosen Option : **3**

**Q.10** **In which year was Microsoft's Windows operating system first introduced?**

**Ans** ✗ 1. 1991

✔ 2. 1985

✗ 3. 1993

✗ 4. 1989

Question ID : **6549789733**

Status : **Answered**

Chosen Option : **1**

**Q.11** Who among the following is the author of the book 'Cross Connection: The Big Circus Adventure'?

**Ans**

✘ 1. Harman Baweja

✔ 2. Jugal Hansraj

✘ 3. Aditya Chopra

✘ 4. Rajkumar Rao

Question ID : **6549789044**

Status : **Answered**

Chosen Option : **4**

**Q.12** In which part of the human body will you find the 'superior rectus'?

**Ans**

✘ 1. Nose

✘ 2. Tongue

✔ 3. Eye

✘ 4. Ear

Question ID : **6549789035**

Status : **Answered**

Chosen Option : **1**

**Q.13** Which of the following dynasties made Kanauj (Kanyakubja) its capital city?

**Ans**

✘ 1. Sena dynasty

✘ 2. Pala dynasty

✔ 3. Pratihara dynasty

✘ 4. Chola dynasty

Question ID : **6549789748**

Status : **Answered**

Chosen Option : **2**

**Q.14** Which of the following is an example of gravitational potential energy?

**Ans**

✘ 1. Moving car

✘ 2. Foot kicking a ball

✘ 3. Bullet fired from a gun

✔ 4. Water that is behind a dam

Question ID : **6549789741**

Status : **Answered**

Chosen Option : **4**

**Q.15** _____ was the first Test cricket captain of an independent Indian team.

**Ans**

✔️ 1. Lala Amarnath

❌ 2. Hemu Adhikari

❌ 3. Bishan Singh Bedi

❌ 4. Vijay Hazare

Question ID : **6549789049**

Status : **Answered**

Chosen Option : **3**

**Q.16** Identify the river system in which you will find the river 'Dihang'.

**Ans**

❌ 1. Indus

❌ 2. Ganga

❌ 3. Godavari

✔️ 4. Brahmaputra

Question ID : **6549789040**

Status : **Answered**

Chosen Option : **4**

**Q.17** Who among the following became the youngest Member of Parliament in the 17th Lok Sabha?

**Ans**

❌ 1. Nusrat Jahan Ruhi

❌ 2. Gaurav Gogoi

❌ 3. Tejasvi Surya

✔️ 4. Chandrani Murmu

Question ID : **6549789753**

Status : **Answered**

Chosen Option : **3**

**Q.18** _____ is a draft of a legislative proposal before the House.

**Ans**

✔️ 1. A bill

❌ 2. An act

❌ 3. A provision

❌ 4. A revocation

Question ID : **6549789045**

Status : **Answered**

Chosen Option : **1**

**Q.19**  **Which movie has been selected as India's official entry to the Oscars 2021?**

**Ans**  ✔ 1. Jallikattu

✖ 2. Ek Hazarachi Note

✖ 3. Fandry

✖ 4. Yellow

Question ID : **6549789029**

Status : **Answered**

Chosen Option : **1**

**Q.20**  **In which Olympic Games did Karnam Malleswari become India's first woman to win an Olympic medal?**

**Ans**  ✖ 1. Brazil 2016 Olympic Games

✖ 2. Atlanta 1996 Olympic Games

✖ 3. London 2012 Olympic Games

✔ 4. Sydney 2000 Olympic Games

Question ID : **6549789047**

Status : **Answered**

Chosen Option : **3**

**Q.21**  **Which of the following teams won the IPL 2020 trophy?**

**Ans**  ✖ 1. Rajasthan Royals

✔ 2. Mumbai Indians

✖ 3. Delhi Capitals

✖ 4. Chennai Super Kings

Question ID : **6549789030**

Status : **Answered**

Chosen Option : **2**

**Q.22**  **Which of the following is the highest hill station in India?**

**Ans**  ✖ 1. Manali

✔ 2. Leh

✖ 3. Jogimatti

✖ 4. Ponmudi

Question ID : **6549789039**

Status : **Answered**

Chosen Option : **2**

**Q.23** Which of the following rivers originates from the 'Rakas Lake'?

**Ans**    ✖ 1. Beas

     ✔ 2. Sutlej

     ✖ 3. Chenab

     ✖ 4. Jhelum

Question ID : **6549789744**

Status : **Answered**

Chosen Option : **3**

**Q.24** Teeyan is a festival celebrated in Punjab, which celebrates the onset of _____.

**Ans**    ✖ 1. spring

     ✖ 2. winter

     ✖ 3. summer

     ✔ 4. monsoon

Question ID : **6549789027**

Status : **Answered**

Chosen Option : **1**

**Q.25** Which chemical reaction takes place during the cooking of meat?

**Ans**    ✖ 1. The Swartz reaction

     ✖ 2. The Gattermann reaction

     ✔ 3. The Maillard reaction

     ✖ 4. The Finkelstein reaction

Question ID : **6549789743**

Status : **Answered**

Chosen Option : **2**