





# Combined Higher Secondary Level (10+2) Examination-2018

|                  |                                 |
|------------------|---------------------------------|
| Roll No.         |                                 |
| Registration No. |                                 |
| Name             |                                 |
| Test Venue       | iON Digital Zone iDZ Mancheswar |
| Test Time        | 4:00 PM - 5:00 PM               |
| Test Date        | 10/07/2019                      |

Section : General Intelligence

Q.1 Arrange the following words in a logical and meaningful order.

1. Summer
2. Winter
3. Monsoon
4. Spring
5. Autumn

Ans  1. 4, 1, 5, 3, 2  
 2. 4, 3, 1, 5, 2  
 3. 4, 1, 3, 5, 2  
 4. 4, 5, 3, 1, 2

Question ID : 98958017081

Status : Marked For Review

Chosen Option : 1

Q.2 Deepthi said to her friend, "That girl playing with the dog is the younger of the two sisters of the son of my mother's husband."

How is the girl playing with the dog related to Deepthi ?

Ans  1. Grand daughter  
 2. Wife  
 3. Sister  
 4. Daughter – in - law





Question ID : 98958017087

Status : Answered

Chosen Option : 3

Q.3 Which two signs should be interchanged in the following equation to make it correct?

$$15 + 15 - 2 \times 10 \div 35 = 16$$

Ans  1. + and -  
 2. × and ÷  
 3. × and -  
 4. + and ÷

Question ID : 98958017093

Status : Not Answered

Chosen Option : --

Q.4 'Machine' is related to 'Operator' in the same way as 'Car' is related to '\_\_\_\_\_'.  
Ans

- ☒ 1. Driver
- ☐ 2. Bus
- ☐ 3. Mechanic
- ☐ 4. Engine

Question ID : 98958017085

Status : Answered

Chosen Option : 1

Q.5 Three of the following four letter-clusters are alike in a certain way and one is different.  
Pick the odd one out.

- Ans
- ☐ 1. CGK
  - ☐ 2. LPT
  - ☒ 3. BFM
  - ☐ 4. NRV

Question ID : 98958017089

Status : Answered

Chosen Option : 3

Q.6 Select the option in which the given figure (X) is embedded (rotation not allowed).



X

Ans

- ☒ 1.
- ☐ 2.
- ☐ 3.
- ☐ 4.

Question ID : 98958017102

Status : Answered

Chosen Option : 1

Q.7 Three of the following four words are alike in a certain way and one is different.  
Pick the odd word out.

- Ans
- ☒ 1. Disaster
  - ☐ 2. Storm

 3. Cyclone

 4. Flood

Question ID : 98958017090

Status : Answered

Chosen Option : 1

**Q.8** Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All knives are axes.

All axes are swords.

All saws are swords.

Conclusions:

I. All swords are knives.

II. Some axes are saws.

III. No axe is saw.

Ans  1. Either conclusion II or III follows.

 2. Only conclusion I follows.

 3. All the conclusions follow.

 4. Only conclusions I and II follow.

Question ID : 98958017091

Status : Answered

Chosen Option : 1

**Q.9** Which letter-pair will replace the question mark (?) in the following series?

JG, LI, ?, VS, DA

Ans  1. PM

 2. QM

 3. PQ

 4. OR

Question ID : 98958017086

Status : Answered

Chosen Option : 1

**Q.10** Select the set in which the numbers are related in the same way as are the numbers of the following set.

(64, 100, 328)

Ans  1. (16, 36, 54)

 2. (49, 81, 137)

 3. (25, 49, 148)

 4. (36, 64, 97)

Question ID : 98958017096

Status : Answered

Chosen Option : 3

**Q.11** If it was a Friday on 1 January 2016, what was the day of the week on 31 December 2016?

Ans ☒ 1. Saturday

☐ 2. Friday


☐ 3. Monday

☐ 4. Sunday

Question ID : 98958017092

Status : Answered

Chosen Option : 2

Q.12 Three different positions of the same dice are shown. Select the pattern that will be on the face opposite to the one having .



1



2



3

Ans ☐ 1. 

☐ 2. 

☒ 3. 

☐ 4. 

Question ID : 98958017099

Status : Not Answered

Chosen Option : --

Q.13 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans ☐ 1. 16

☒ 2. 121

☐ 3. 100

☐ 4. 81

Question ID : 98958017098

Status : Answered

Chosen Option : 2

Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(45, 49, 47)

Ans ☐ 1. (25, 54, 79)

☐ 2. (15, 19, 37)

☐ 3. (5, 39, 44)

☒ 4. (35, 59, 47)

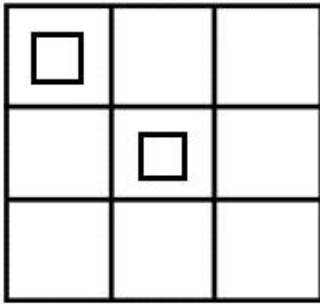
Question ID : 98958017095

Status : Not Answered

Chosen Option : --

Q.15

How many squares are present in the following figure?



- Ans
- ☒ 1. 12
  - ☒ 2. 14
  - ☒ 3. 18
  - ☒ 4. 16

Question ID : 98958017101

Status : Answered

Chosen Option : 4

Q.16 Select the option that is related to the third letter-pair in the same way as the second letter-pair is related to the first letter-pair.

PM : UT :: RU : ?

- Ans
- ☒ 1. XA
  - ☒ 2. XB
  - ☒ 3. WA
  - ☒ 4. WB

Question ID : 98958017084

Status : Answered

Chosen Option : 4

Q.17 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.

✗ 4.

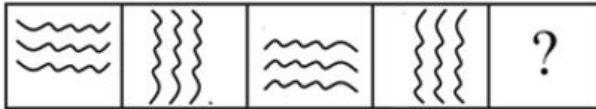


Question ID : 98958017104

Status : Answered

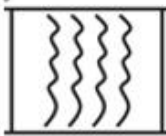
Chosen Option : 2

Q.18 Select the Answer Fig. that will come next in the following Problem Fig. series.

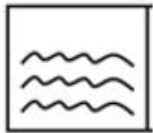


Ans

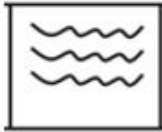
✗ 1.



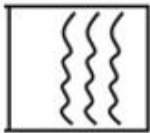
✗ 2.



✓ 3.



✗ 4.



Question ID : 98958017100

Status : Answered

Chosen Option : 3

Q.19 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

42 : 56

Ans

✗ 1. 17 : 49

✗ 2. 22 : 44

✗ 3. 35 : 51

✓ 4. 12 : 20

Question ID : 98958017094

Status : Not Answered

Chosen Option : --

Q.20 Which number will replace the question mark (?) in the following series?

6, 12, 36, 144, ?

Ans

✓ 1. 720

- ☒ 2. 520
- ☒ 3. 620
- ☒ 4. 420

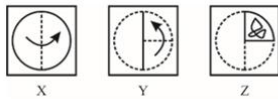
Question ID : 98958017097  
 Status : Answered  
 Chosen Option : 1

Q.21 If CAT is coded as 72 and TROT is coded as 292, then how will STAG be coded as?

- Ans
- ☒ 1. 47
  - ☒ 2. 235
  - ☒ 3. 141
  - ☒ 4. 188

Question ID : 98958017083  
 Status : Answered  
 Chosen Option : 3

Q.22 A paper is folded and cut as shown in the following figures (X, Y and Z). Select the option that depicts how this paper will appear when unfolded.



Ans

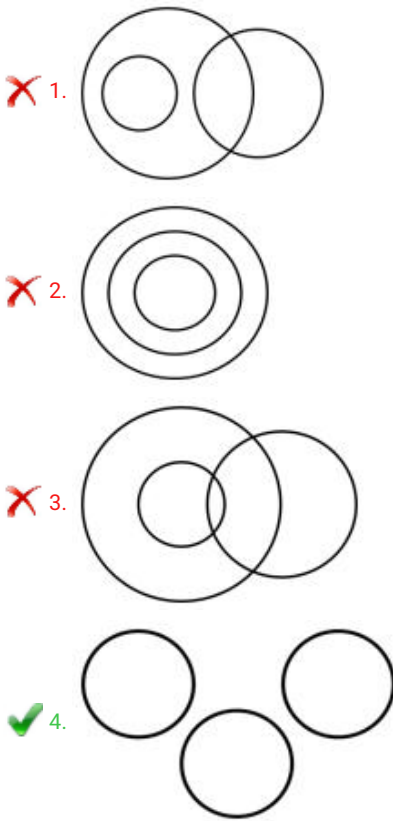
- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 98958017103  
 Status : Answered  
 Chosen Option : 3

Q.23 Select the Venn diagram that best illustrates the relationship between the following classes.

Wools, Wood, Leather

Ans



Question ID : 98958017105  
Status : Answered  
Chosen Option : 4

Q.24 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Trim : Hair

- Ans
- ☒ 1. Dog : Stag
  - ☒ 2. Eye : Red
  - ☒ 3. Prune : Shrub
  - ☒ 4. Nail : Face

Question ID : 98958017088  
Status : Answered  
Chosen Option : 3

Q.25 In a code language, HUSK is written as LZYZ. How will SERIAL be written as in that language?

- Ans
- ☒ 1. WJXPIU
  - ☒ 2. WKYQJU
  - ☒ 3. WKYQJV
  - ☒ 4. WJXPIV

Question ID : 98958017082  
Status : Answered  
Chosen Option : 1



**Q.1 The High Yielding Varieties (HYVs) of wheat were first developed in \_\_\_\_.**

- Ans
- ☒ 1. Australia
  - ☒ 2. Mexico
  - ☒ 3. USA
  - ☒ 4. Japan

Question ID : **98958017540**  
Status : **Answered**  
Chosen Option : **3**

**Q.2 The 2019 Abel Prize has been awarded to \_\_\_\_.**

- Ans
- ☒ 1. Robert P Langlands
  - ☒ 2. Yves Meyer
  - ☒ 3. Karen Uhlenbeck
  - ☒ 4. Sir Andrew J Wiles

Question ID : **98958017547**  
Status : **Answered**  
Chosen Option : **3**

**Q.3 Which of the following fuels has calorific value equal to petrol?**

- Ans
- ☒ 1. Methane
  - ☒ 2. Kerosene
  - ☒ 3. CNG
  - ☒ 4. LPG

Question ID : **98958017535**  
Status : **Answered**  
Chosen Option : **4**

**Q.4 In which of the following organs of human body are carbohydrates stored as glycogen?**

- Ans
- ☒ 1. Stomach
  - ☒ 2. Liver
  - ☒ 3. Small intestine
  - ☒ 4. Large intestine

Question ID : **98958017536**  
Status : **Answered**  
Chosen Option : **2**

**Q.5 With which of the following sports is Anjum Moudgil associated?**

- Ans
- ☒ 1. Archery
  - ☒ 2. Table tennis
  - ☒ 3. Chess
  - ☒ 4. Shooting

Question ID : **98958017550**  
Status : **Not Answered**

**Q.6 The Channel Tunnel is the name of an undersea tunnel connecting:**

- Ans**
- ☒ 1. France and Germany
  - ☒ 2. France and England
  - ☒ 3. France and Spain
  - ☒ 4. Spain and Morocco

Question ID : 98958017542

Status : Answered

Chosen Option : 2

**Q.7 Which of the following schedules of the Constitution of India contains the format of oaths to be taken by different constitutional functionaries?**

- Ans**
- ☒ 1. 4th Schedule
  - ☒ 2. 5th Schedule
  - ☒ 3. 3rd Schedule
  - ☒ 4. 2nd Schedule

Question ID : 98958017548

Status : Answered

Chosen Option : 4

**Q.8 In the context of the Internet, which of the followings is NOT a protocol?**

- Ans**
- ☒ 1. TCP
  - ☒ 2. UDP
  - ☒ 3. Telnet
  - ☒ 4. PPT

Question ID : 98958017538

Status : Answered

Chosen Option : 4

**Q.9 The Election Commission of India recently launched a mobile app for enabling citizens to report Model Code of Conduct and Expenditure violations during the elections. The app has been named as:**

- Ans**
- ☒ 1. iElect
  - ☒ 2. cVigil
  - ☒ 3. iMonitor
  - ☒ 4. Samadhan


Question ID : 98958017553

Status : Answered

Chosen Option : 2

**Q.10 Under the Sustainable Alternative Towards Affordable Transportation (SATAT) scheme, \_\_\_\_\_ is being promoted as an alternative transport fuel.**

- Ans**
- ☒ 1. CNG
  - ☒ 2. compressed biogas
  - ☒ 3. LPG

 4. hydrogen





Question ID : 98958017554  
Status : Not Answered  
Chosen Option : --

Q.11 Who among the following is also known as the founder of macroeconomics as a separate discipline?

- Ans
-  1. Adam Smith
  -  2. Fischer Black
  -  3. Robert Merton
  -  4. John Maynard Keynes

Question ID : 98958017534  
Status : Not Answered  
Chosen Option : --

Q.12 The Pradhan Mantri Kisan Samman Nidhi scheme, announced in the Interim Budget 2019, aims at:

- Ans
-  1. providing life insurance for small and marginal farmers
  -  2. ensuring effective implementation of minimum support prices for all edible crops
  -  3. providing medical insurance for small farmer families
  -  4. ensuring minimum income for farmer families who own up to two hectares of cultivable land

Question ID : 98958017555  
Status : Not Answered  
Chosen Option : --

Q.13 Which of the following is NOT a valve of the Heart?

- Ans
-  1. Mitral
  -  2. Aortic
  -  3. Tricuspid
  -  4. Septum

Question ID : 98958017537  
Status : Not Answered  
Chosen Option : --

Q.14 The Mughal emperor \_\_\_\_\_ adopted the title of Alamgir.

- Ans
-  1. Akbar
  -  2. Shah Jahan
  -  3. Aurangzeb
  -  4. Jahangir

Question ID : 98958017544  
Status : Answered  
Chosen Option : 4

Q.15 Who among the following co-authored the book 'Indian Fiscal Federalism' along with YV Reddy?

- Ans  1. GR Reddy  
 2. Raghuram Rajan  
 3. Bimal Jalan  
 4. Urjit Patel

Question ID : 98958017546  
Status : Not Answered  
Chosen Option : --

Q.16 Which of the following rivers is NOT a part of the Ganga River System?

- Ans  1. Dhansari  
 2. Hindan  
 3. Son  
 4. Mandakini





Question ID : 98958017541  
Status : Answered  
Chosen Option : 1

Q.17 The famous Khajurao Group of Monuments was constructed by the \_\_\_\_.

- Ans  1. Solankis  
 2. Gahadavalas  
 3. Chaulukyas  
 4. Chandelas





Question ID : 98958017531  
Status : Not Answered  
Chosen Option : --

Q.18 The Strait of \_\_\_\_ connects the Mediterranean Sea with the Atlantic Ocean.

- Ans  1. Bonifacio  
 2. Kerch  
 3. Gibraltar  
 4. Messina

Question ID : 98958017543  
Status : Not Answered  
Chosen Option : --

Q.19 As per the Table of Precedence, who among the following enjoys the highest ceremonial protocol?

- Ans  1. Holders of Bharat Ratna  
 2. Judges of the Supreme Court of India  
 3. Cabinet ministers of the Union  
 4. Deputy Chairman of Rajya Sabha

Question ID : 98958017549  
Status : Answered  
Chosen Option : 1

Q.20 Sudirman Cup, a biennial event, is associated with:

- Ans ☒ 1. badminton  
☐ 2. table tennis  
☐ 3. hockey  
☐ 4. shooting

Question ID : 98958017551  
Status : Answered  
Chosen Option : 3

Q.21 Which of the following organisations publishes an annual report titled Global Competitiveness Index?

- Ans ☐ 1. International Monetary Fund  
☐ 2. Asian Development Bank  
☐ 3. World Bank  
☒ 4. World Economic Forum

Question ID : 98958017533  
Status : Answered  
Chosen Option : 4

Q.22 In the context of computers and communication technology, 1 megabyte is equal to \_\_\_\_.

- Ans ☐ 1. 512 kilobytes  
☐ 2. 512 bytes  
☐ 3. 1024 bytes  
☒ 4. 1024 kilobytes

Question ID : 98958017539  
Status : Answered  
Chosen Option : 4

Q.23 Who among the following leaders was NOT a founding member of the Hindustan Socialist Republican Army?

- Ans ☐ 1. Ajoy Ghosh  
☐ 2. Jatin Das  
☐ 3. Bhagat Singh  
☒ 4. Badruddin Tyabji

Question ID : 98958017545  
Status : Answered  
Chosen Option : 4

Q.24 Who among the following Indian female wrestlers won a gold medal in the 59-kg weight category at the 2019 Dan Kovlov - Nikola Petrov tournament?

- Ans ☐ 1. Vinesh Phogat  
☒ 2. Pooja Dhanda  
☐ 3. Navjot Kaur  
☐ 4. Sakshi Malik

Question ID : 98958017552

Status : Answered

Chosen Option : 1

Q.25 The community called Thatheras figures in the Representative List of the Intangible Cultural Heritage of Humanity, UNESCO for \_\_\_\_.

- Ans
- ☒ 1. manufacturing terracotta decorative objects
  - ☒ 2. manufacturing brass and copper utensils
  - ☒ 3. their traditional dance form called Bhangra
  - ☒ 4. their martial art

Question ID : 98958017532

Status : Not Answered

Chosen Option : --

Section : Quantitative Aptitude

Q.1 If  $\theta = 9^\circ$ , then what is the value of  $\cot \theta \cot 2\theta \cot 3\theta \cot 4\theta \cot 5\theta \cot 6\theta \cot 7\theta \cot 8\theta \cot 9\theta$  ?

- Ans
- ☒ 1.  $\sqrt{3} - 1$
  - ☒ 2. 1
  - ☒ 3.  $\sqrt{3}$
  - ☒ 4.  $\frac{1}{\sqrt{3}}$

Question ID : 98958017650

Status : Answered

Chosen Option : 2

Q.2 If  $a^2 + b^2 = 169$ ,  $ab = 60$ , ( $a > b$ ), then  $(a^2 - b^2)$  is equal to:

- Ans
- ☒ 1. 149
  - ☒ 2. 129
  - ☒ 3. 119
  - ☒ 4. 139



Question ID : 98958017642

Status : Answered

Chosen Option : 3

Q.3 If  $x = \frac{1}{12.13} + \frac{1}{13.14} + \frac{1}{14.15} + \dots + \frac{1}{23.24}$   $y = \frac{1}{36.37} + \frac{1}{37.38} + \frac{1}{38.39} + \dots + \frac{1}{71.72}$ , then  $\frac{x}{y}$  is equal to:





- Ans
- ☒ 1.  $\frac{1}{3}$
  - ☒ 2.  $\frac{1}{24}$

-  3.  $\frac{1}{72}$
-  4. 3

Question ID : 98958017644  
Status : Not Answered  
Chosen Option : --





Q.4 For  $\alpha$  and  $\beta$  both being acute angles, it is given that

$$\sin(\alpha + \beta) = 1, \cos(\alpha - \beta) = \frac{1}{2}. \text{ The values of } \alpha \text{ and } \beta \text{ are:}$$

- Ans  1.  $75^\circ, 15^\circ$
-  2.  $45^\circ, 15^\circ$
-  3.  $75^\circ, 45^\circ$
-  4.  $60^\circ, 30^\circ$

Question ID : 98958017651  
Status : Answered  
Chosen Option : 1

Q.5 The simplified value of  $\frac{0.01404}{24^2 + 6^2 - 144}$  is:

- Ans  1.  $3 \times 10^{-5}$
-  2.  $6 \times 10^{-5}$
-  3.  $2.4 \times 10^{-4}$
-  4.  $3 \times 10^{-4}$

Question ID : 98958017643  
Status : Answered  
Chosen Option : 1

Q.6 OABC is a quadrilateral, where O is the centre of a circle and A, B, C are points in the circle, such that  $\angle ABC = 120^\circ$ .  
What is the ratio of the measure of  $\angle AOC$  to that of  $\angle OAC$ ?

- Ans  1. 3 : 1
-  2. 4 : 1
-  3. 2 : 1
-  4. 3 : 2

Question ID : 98958017645  
Status : Answered  
Chosen Option : 3

Q.7 The simplified value of

$$\frac{1}{2} \text{ of } \frac{8}{5} \div \left\{ 2\frac{1}{5} - \left( \frac{5}{16} + \frac{3}{5} \times 1\frac{7}{8} \div \frac{2}{3} \right) \right\} \text{ is:}$$

Ans

☐ 1.  $\frac{1}{4}$

☒ 2. 4

☐ 3.  $\frac{1}{5}$

☐ 4. 5

Question ID : 98958017641

Status : Not Answered

Chosen Option : --

**Q.8** Given that the lengths of the paths of a ball thrown with different speeds by two boys are the same, and that the average speed for the first and second throws are respectively 90km/h and 162 km/h, then what is the time taken by the first throw to cover the length if the same for the second throw is one second?

Ans

☐ 1.  $\frac{3}{2}$  sec

☐ 2. 1 sec

☒ 3.  $\frac{5}{9}$  sec

☐ 4.  $\frac{2}{3}$  sec

Question ID : 98958017632

Status : Answered

Chosen Option : 3

**Q.9** A and B are two points on a circle with centre O. AT is a tangent, such that  $\angle BAT = 45^\circ$ . N is a point on OA, such that BN = 10 cm. The length of the median OM of the  $\triangle NOB$  is:

Ans

☐ 1.  $10\sqrt{2}$  cm

☐ 2.  $5\sqrt{2}$  cm

☐ 3.  $5\sqrt{3}$  cm

☒ 4. 5 cm

Question ID : 98958017646

Status : Not Answered

Chosen Option : --

**Q.10** The area of a sector of a circle with central angle  $60^\circ$  is A. The circumference of the circle is C. Then A is equal to:

Ans

☐ 1.  $\frac{c^2}{6\pi}$

☐ 2.  $\frac{c^2}{18\pi}$

☒ 3.  $\frac{c^2}{24\pi}$

☐ 4.  $\frac{c^2}{4\pi}$



Question ID : 98958017633  
Status : Not Answered  
Chosen Option : --

Q.11 The difference between the average of first ten prime numbers and the first ten prime numbers of two digits is:

- Ans
- ☒ 1. 14.5
  - ☒ 2. 16.5
  - ☒ 3. 12.5
  - ☒ 4. 13.5

Question ID : 98958017634  
Status : Not Answered  
Chosen Option : --

Q.12 The side BC of a right-angled triangle ABC ( $\angle ABC = 90^\circ$ ) is divided into four equal parts at P, Q and R respectively.

If  $AP^2 + AQ^2 + AR^2 = 3b^2 + 17na^2$ , then  $n$  is equal to:

- Ans
- ☒ 1.  $-\frac{1}{8}$
  - ☒ 2.  $\frac{3}{4}$
  - ☒ 3.  $\frac{1}{8}$
  - ☒ 4.  $-\frac{3}{4}$

Question ID : 98958017648  
Status : Not Answered  
Chosen Option : --

Q.13 It is given that,  $\sqrt{\frac{1-\sin x}{1+\sin x}} = a - \tan x$  then  $a$  is equal to:

- Ans
- ☒ 1.  $\cos x$
  - ☒ 2.  $\sin x$
  - ☒ 3.  $\operatorname{cosec} x$
  - ☒ 4.  $\sec x$

Question ID : 98958017649  
Status : Not Answered  
Chosen Option : --

Q.14 A shopkeeper bought an article for ₹100 and marked its price 25% above the cost price. How much discount percentage should he announce in order to make a profit of 15%?

- Ans
- ☒ 1. 8.25
  - ☒ 2. 8.5
  - ☒ 3. 8
  - ☒ 4. 10

Question ID : 98958017637

Status : Answered

Chosen Option : 3

**Q.15** A rectangular portion of an airport runway was getting repaired for which an estimate was made on the basis of a rate ₹R per square unit. But while doing the work, the length of the portion got increased by 10% and the breadth by 8%. Over and above this, there was an increase in the cost of the repair work to the extent of 15%. What was the overall percentage increase in the cost of repair over the estimate?

- Ans ☒ 1. 36.62  
☒ 2. 34.58  
☒ 3. 33  
☒ 4. 35.24

Question ID : 98958017636

Status : Not Answered

Chosen Option : --

**Q.16** A borrowed a sum of ₹3,000 from his friend B on 31 December 2007 on the condition that he would return the same after one year with simple interest at 15% per annum. However, A gets into a position of returning the sum on 31 August 2008. How much amount had A to return to B?

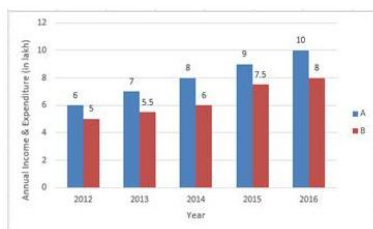
- Ans ☒ 1. ₹3,300  
☒ 2. ₹3,200  
☒ 3. ₹3,310  
☒ 4. ₹3,305

Question ID : 98958017639

Status : Not Answered

Chosen Option : --

**Q.17** The given Bar Graph presents the data of annual income (A) and annual expenditure (B) of an IT officer in a multi-national company during the years 2012 to 2016.



For which pair of years, the ratio of savings to expenditure is equal?

- Ans ☒ 1. 2012, 2013  
☒ 2. 2013, 2014  
☒ 3. 2014, 2015  
☒ 4. 2012, 2015

Question ID : 98958017655

Status : Answered

Chosen Option : 4

**Q.18** Which among the following numbers is exactly divisible by 11, 13 and 7?

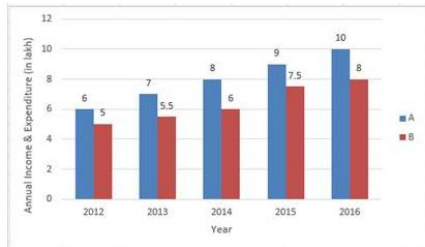
- Ans
- ☒ 1. 259237
  - ☒ 2. 259248
  - ☒ 3. 259270
  - ☒ 4. 259259

Question ID : 98958017640

Status : Answered

Chosen Option : 4

**Q.19** The given Bar Graph presents the data of annual income (A) and annual expenditure (B) of an IT officer in a multi-national company during the years 2012 to 2016.



What was his average monthly savings (in ₹) in 2015 and 2016, taken together (correct to two decimal places)?

- Ans
- ☒ 1. 14,506.33
  - ☒ 2. 14,967.67
  - ☒ 3. 13,687.67
  - ☒ 4. 14,583.33

Question ID : 98958017652

Status : Not Answered

Chosen Option : --

**Q.20** It is given that  $\triangle ABC \sim \triangle PRQ$  and that Area ABC : Area PRQ = 16 : 169. If AB = x, AC = y, BC = z (all in cm), then PQ is equal to:

- Ans
- ☒ 1.  $\frac{13}{4}y$
  - ☒ 2.  $\frac{13}{4}z$
  - ☒ 3.  $\frac{13}{4}x$
  - ☒ 4.  $\frac{13}{8}x$

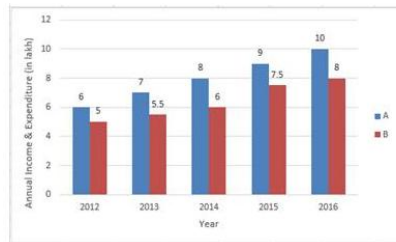
Question ID : 98958017647

Status : Answered

Chosen Option : 1

**Q.21**

The given Bar Graph presents the data of annual income (A) and annual expenditure (B) of an IT officer in a multi-national company during the years 2012 to 2016.



What is the percentage of his total savings with reference to his total income for the period 2012-15?

- Ans
- ☒ 1. 30
  - ☒ 2. 27.5
  - ☒ 3. 25
  - ☒ 4. 20

Question ID : 98958017653

Status : Not Answered

Chosen Option : --

**Q.22** It is given that men are twice as efficient than women in respect of doing a work. If three men and two women can complete the work in 2 days, then in how many days can a woman working alone complete the work?

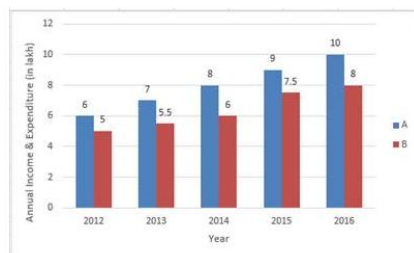
- Ans
- ☒ 1.  $12\frac{1}{2}$
  - ☒ 2. 16
  - ☒ 3.  $10\frac{1}{3}$
  - ☒ 4. 8

Question ID : 98958017631

Status : Answered

Chosen Option : 2

**Q.23** The given Bar Graph presents the data of annual income (A) and annual expenditure (B) of an IT officer in a multi-national company during the years 2012 to 2016.



What is the ratio between the ratios of Savings to Expenditure, respectively for the periods 2012-13 and 2015-16?

- Ans
- ☒ 1. 146 : 135
  - ☒ 2. 155 : 147
  - ☒ 3. 21 : 34
  - ☒ 4. 25 : 36

Question ID : 98958017654

Status : Not Answered

Chosen Option : --

**Q.24** An article is subject to two successive discounts of 10% and 5% before being sold. If its marked price is ₹800, then its selling price is:

- Ans
- ☒ 1. ₹722
  - ☒ 2. ₹684
  - ☒ 3. ₹703
  - ☒ 4. ₹680

Question ID : 98958017635

Status : Answered

Chosen Option : 2

**Q.25** A milkman uses three containers for selling milk, their capacities being 40 L, 30 L and 20 L respectively. He fills respectively 87.5%, 80% and 90% of the containers with a mix of milk and water in the ratios, 3 : 2, 5 : 1 and 7 : 2 respectively. What is the ratio of the total quantity of milk to that of water carried by him?

- Ans
- ☒ 1. 7 : 2
  - ☒ 2. 31 : 12
  - ☒ 3. 35 : 9
  - ☒ 4. 5 : 2

Question ID : 98958017638

Status : Not Answered

Chosen Option : --

Section : English Language

**Q.1** Select the alternative that will improve the underlined part of the sentence in case there is no improvement select No improvement.

The crowd wave feverishly when they saw their leader.

- Ans
- ☒ 1. waving hard
  - ☒ 2. wave well
  - ☒ 3. No improvement
  - ☒ 4. waved frantically

Question ID : 98958016432

Status : Answered

Chosen Option : 2

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

The original inhabitants of a country

- Ans
- ☒ 1. slaves
  - ☒ 2. immigrants
  - ☒ 3. aborigines
  - ☒ 4. residents

Question ID : 98958016449

Status : Answered

Chosen Option : 4

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

The employees of our company are not \_\_\_\_\_ of their freedom.

- Ans
- ☒ 1. deployed
  - ☒ 2. denied
  - ☒ 3. dissipated
  - ☒ 4. deprived

Question ID : 98958016453  
Status : Answered  
Chosen Option : 4

**Q.4** Select the most appropriate antonym of the given word.

**AMASS**

- Ans
- ☒ 1. collect
  - ☒ 2. horde
  - ☒ 3. heap
  - ☒ 4. distribute

Question ID : 98958016444  
Status : Not Answered  
Chosen Option : --

**Q.5** Select the most appropriate synonym of the given word.

**WARY**

- Ans
- ☒ 1. rash
  - ☒ 2. inattentive
  - ☒ 3. lax
  - ☒ 4. alert

Question ID : 98958016443  
Status : Not Answered  
Chosen Option : --

**Q.6** Select the most appropriate synonym of the given word.

**RECEDE**

- Ans
- ☒ 1. increase
  - ☒ 2. intensify
  - ☒ 3. waver
  - ☒ 4. wane

Question ID : 98958016442  
Status : Not Answered  
Chosen Option : --

**Q.7** Choose the option that is the passive form of the sentence.

The chief guest gave prizes to the children.

- Ans
- ☒ 1. The children were being given prizes by the chief guest.

 2. The children are given prizes by the chief guest.

 3. The children were given prizes by the chief guest.

 4. The children was given prizes by the chief guest.

Question ID : 98958016430

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.

The two men bowed to one (1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (2) \_\_\_\_\_. He was going to have to (3) \_\_\_\_\_ three duels in a (4) \_\_\_\_\_ of three hours. He thought, "If they kill me, (5) \_\_\_\_\_ I shall be killed by a Musketeer."

**SubQuestion No : 8**

**Q.8**

**Select the most appropriate option to fill blank no. 1**

- Ans  1. each
-  2. other
-  3. self
-  4. another

Question ID : 98958016435

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.

The two men bowed to one (1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (2) \_\_\_\_\_. He was going to have to (3) \_\_\_\_\_ three duels in a (4) \_\_\_\_\_ of three hours. He thought, "If they kill me, (5) \_\_\_\_\_ I shall be killed by a Musketeer."

**SubQuestion No : 9**

**Q.9 Select the most appropriate option to fill blank no. 2**

- Ans  1. location
-  2. relation
-  3. situation
-  4. station

Question ID : 98958016436

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.

The two men bowed to one (1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (2) \_\_\_\_\_. He was going to have to (3) \_\_\_\_\_ three duels in a (4) \_\_\_\_\_ of three hours. He thought, "If they kill me, (5) \_\_\_\_\_ I shall be killed by a Musketeer."

**SubQuestion No : 10**

**Q.10 Select the most appropriate option to fill blank no. 3**

- Ans  1. figure out

 2. think out

 3. fight

 4. fix

Question ID : 98958016437

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.

The two men bowed to one (1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (2) \_\_\_\_\_. He was going to have to (3) \_\_\_\_\_ three duels in a (4) \_\_\_\_\_ of three hours. He thought, "If they kill me, (5) \_\_\_\_\_ I shall be killed by a Musketeer.

**SubQuestion No : 11**

**Q.11 Select the most appropriate option to fill blank no. 4**

Ans  1. place

 2. matter

 3. gap

 4. time

Question ID : 98958016438

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.

The two men bowed to one (1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (2) \_\_\_\_\_. He was going to have to (3) \_\_\_\_\_ three duels in a (4) \_\_\_\_\_ of three hours. He thought, "If they kill me, (5) \_\_\_\_\_ I shall be killed by a Musketeer.

**SubQuestion No : 12**

**Q.12 Select the most appropriate option to fill blank no. 5**

Ans  1. maximum

 2. at least

 3. least

 4. even though

Question ID : 98958016439

Status : Answered

Chosen Option : 2

**Q.13 Select the most appropriate meaning of the underlined idiom in the given sentence.**

My aunt who orders every one around is a pain in the neck.

Ans  1. irritating

 2. short tempered

 3. curious

 4. argumentative

Question ID : 98958016446



Status : **Answered**  
Chosen Option : **1**

Q.14 Select the correctly spelt word.

- Ans
- ☒ 1. contrapsion
  - ☒ 2. cunstruction
  - ☒ 3. controversy
  - ☒ 4. controdition

Question ID : **98958016451**  
Status : **Answered**  
Chosen Option : **3**

Q.15 Select the alternative that will improve the underlined part of the sentence in case there is no improvement select No improvement.

I experienced excruciating pain when the hammer fell on my foot.

- Ans
- ☒ 1. exciting pain
  - ☒ 2. affable paining
  - ☒ 3. strong pains
  - ☒ 4. No improvement

Question ID : **98958016433**  
Status : **Answered**  
Chosen Option : **3**

Q.16 Select the correctly spelt word.

- Ans
- ☒ 1. necassery
  - ☒ 2. nesessary
  - ☒ 3. necessary
  - ☒ 4. necessery

Question ID : **98958016450**  
Status : **Answered**  
Chosen Option : **3**

Q.17 Select the most appropriate option to fill in the blank.

The Prime Minister was \_\_\_\_\_ a ceremonial welcome.

- Ans
- ☒ 1. initiated
  - ☒ 2. extended
  - ☒ 3. expected
  - ☒ 4. invited

Question ID : **98958016452**  
Status : **Answered**  
Chosen Option : **4**

Q.18 Identify the segment in the sentence, which contains the grammatical error.

My grandmother has been lives in Shimla since her childhood days.

Ans

- ☒ 1. has been lives
- ☐ 2. her childhood days
- ☐ 3. My grandmother
- ☐ 4. in Shimla since

Question ID : 98958016429  
Status : Answered  
Chosen Option : 1

Q.19 Select the most appropriate antonym of the given word.

POROUS

- Ans
- ☐ 1. spongy
  - ☐ 2. permeable
  - ☒ 3. impermeable
  - ☐ 4. absorbent

Question ID : 98958016445  
Status : Not Answered  
Chosen Option : --

Q.20 Choose the option that is the indirect form of the sentence.

A new student said to me, "Where is the Principal's office?"

- Ans
- ☐ 1. A new student asked me where the Principal's office is.
  - ☐ 2. A new student asked me where is the Principal's office.
  - ☐ 3. A new student said to me where the Principal's office was.
  - ☒ 4. A new student asked me where the Principal's office was.

Question ID : 98958016431  
Status : Answered  
Chosen Option : 4

Q.21 Identify the segment in the sentence, which contains the grammatical error.

Very little metals are as precious as gold.

- Ans
- ☐ 1. as precious
  - ☐ 2. metals are
  - ☐ 3. as gold
  - ☒ 4. Very little

Question ID : 98958016428  
Status : Answered  
Chosen Option : 4

Q.22 Select the most appropriate meaning of the underlined idiom in the given sentence.

Please come to the point, don't beat around the bush.

- Ans
- ☒ 1. avoid the topic
  - ☐ 2. hide behind a bush
  - ☐ 3. make excuses

 4. accept defeat

Question ID : 98958016447

Status : Answered

Chosen Option : 1

Q.23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Yes, first get us some fresh juice and some sandwiches.
- B. May I take your order?
- C. Not now, maybe a little later.
- D. Sure. Would you like some coffee too?

- Ans
-  1. CDBA
  -  2. ABCD
  -  3. BADC
  -  4. BCDA

Question ID : 98958016441

Status : Answered

Chosen Option : 4

Q.24 Select the word which means the same as the group of words given.

One who treats skin diseases

- Ans
-  1. dermatologist
  -  2. radiologist
  -  3. geologist
  -  4. cardiologist





Question ID : 98958016448

Status : Answered

Chosen Option : 1

Q.25 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Then she does some gardening.
- B. Finally before her mid morning nap, she eats a light breakfast.
- C. My grandmother is an active eighty year old.
- D. She begins her morning with meditation.

- Ans
-  1. CDBA
  -  2. DCBA
  -  3. CABD
  -  4. CDAB

Question ID : 98958016440

Status : Answered

Chosen Option : 4