

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

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Test Time	10:00 AM - 11:00 AM
Test Date	08/07/2019

## Section : General Intelligence

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(8, 27, 64)

- Ans
- ☐ 1. (49, 64, 81)
  - ☐ 2. (125, 636, 864)
  - ☐ 3. (216, 343, 529)
  - ☒ 4. (343, 512, 729)

Question ID : 98958016845

Status : Answered

Chosen Option : 4

Q.2 'Heart' is related to 'Circulation' in the same way as 'Lungs' are related to '\_\_\_\_\_'. .

- Ans
- ☐ 1. Excretion
  - ☒ 2. Respiration
  - ☐ 3. Ribs
  - ☐ 4. Oxygen

Question ID : 98958016835

Status : Answered

Chosen Option : 2

Q.3 Three friends A, B and C have different amounts of rupees with them. If B takes ₹7 from A, then B will have equal amount as C has. B and C together have total ₹157. How many rupees does C have?

- Ans
- ☐ 1. 80
  - ☐ 2. 81
  - ☐ 3. 83
  - ☒ 4. 82

Question ID : 98958016842

Status : Answered

Chosen Option : 4

Q.4 Which number will replace the question mark (?) in the following series?

25, 42, 67, 101, 145, ?

- Ans
- ☒ 1. 200
  - ☐ 2. 199
  - ☐ 3. 201
  - ☐ 4. 202

Question ID : 98958016847

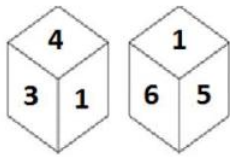
**Q.5** Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

12 : 102

- Ans
- ☒ 1. 14 : 126
  - ☒ 2. 8 : 68
  - ☒ 3. 6 : 52
  - ☒ 4. 16 : 218

Question ID : **98958016844**  
Status : **Answered**  
Chosen Option : 2

**Q.6** Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number opposite to the face having 1.



- Ans
- ☒ 1. 5
  - ☒ 2. 3
  - ☒ 3. 2
  - ☒ 4. 4

Question ID : **98958016849**  
Status : **Answered**  
Chosen Option : 3

**Q.7** 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. 193
  - ☒ 2. 171
  - ☒ 3. 173
  - ☒ 4. 191

Question ID : **98958016848**  
Status : **Answered**  
Chosen Option : 2

**Q.8** Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans
- ☒ 1. VXZB
  - ☒ 2. BDGJ
  - ☒ 3. DFHJ
  - ☒ 4. JLNP

Question ID : **98958016839**  
Status : **Answered**  
Chosen Option : 2

**Q.9**

Select the option in which Figure-X is embedded. (Rotation is not allowed)

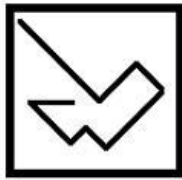


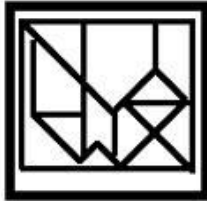
Figure-X

Ans

✗ 1.



✓ 2.



✗ 3.



✗ 4.



Question ID : 98958016852

Status : Answered

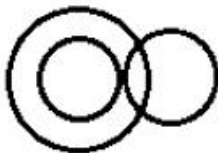
Chosen Option : 2

Q.10 Select the Venn diagram that best illustrates the relationship between the following classes.

Mobile phones, Electronic devices, Laptops

Ans

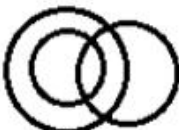
✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 98958016855

Status : Answered

Chosen Option : 4

Q.11 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans ✗ 1. Carbohydrates

✓ 2. Energy

✗ 3. Protein

✗ 4. Vitamins

Question ID : 98958016840

Status : Answered

Chosen Option : 2

Q.12 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

G J 7 5 3 f g Q

Ans ✓ 1. Q g f 3 2 7 1 G

✗ 2. Q g f 3 2 7 1 G

✗ 3. Q g f 3 5 7 1 G

✗ 4. Q g f 3 2 7 1 G

Question ID : 98958016854

Status : Answered

Chosen Option : 1

Q.13 Which of the following sequence of signs will correctly solve the given equation by replacing the question marks?

$$1105 ? 65 ? 835 ? 25 ? 5 = 727$$

Ans ✗ 1.  $\times, -, +, \div$

✓ 2.  $\div, +, -, \times$

✗ 3.  $+, -, \times, \div$

✗ 4.  $+, \div, -, \times$

Question ID : 98958016843

Status : Answered

Chosen Option : 2

Q.14 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.

Exercise : Fitness

Ans ✗ 1. Harmony : War

✗ 2. Hobby : Internet

 3. Education : Institute

 4. Treatment : Recovery

Question ID : 98958016838

Status : Answered

Chosen Option : 4

Q.15 In a code language, CARNIVAL is written as LPYAJYTG. How will DISTANCE be written as in that language?

Ans  1. RQGBDAMY

 2. SQHBCALZ

 3. RQGBCALY

 4. RPGBCZLY

Question ID : 98958016832

Status : Not Answered

Chosen Option : --

Q.16 Arrange the following activities in a logical and meaningful order.

1. Marriage hall booking
2. Deciding marriage day
3. Inviting guests
4. Marriage ceremony
5. Invitation cards printing

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

 2. 1, 2, 3, 5, 4

 3. 2, 1, 3, 5, 4

 4. 2, 1, 5, 3, 4

Question ID : 98958016831

Status : Answered

Chosen Option : 4

Q.17 If FINANCIAL is coded as 695153913, then how will LUCRATIVE be coded as?

Ans  1. 333912955

 2. 433922945

 3. 343912945

 4. 333912945

Question ID : 98958016833

Status : Answered

Chosen Option : 4

Q.18 A + B means 'A is mother of B'  
A - B means 'A is husband of B'  
A × B means 'A is son of B'  
A ÷ B means 'A is brother of B'

If  $Q \div U \times K \times H - D + J$ , then how is K related to J?

Ans  1. Brother

 2. Father

 3. Sister

 4. Paternal uncle

Question ID : 98958016837

Status : Answered

Chosen Option : 1

Q.19 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(4, 41, 5)

Ans ☒ 1. (7, 81, 9)

☒ 2. (6, 85, 8)

☒ 3. (2, 21, 4)

☒ 4. (5, 61, 6)

Question ID : 98958016846

Status : Answered

Chosen Option : 4

Q.20 Two 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 equipment are screw-drivers.

All machines are equipment.

Conclusions:

I. Some screw-drivers are equipment.

II. Some screw-drivers are machines.

III. All equipment are machines.

Ans ☒ 1. Only conclusions I and III follow.

☒ 2. Only conclusions II and III follow.

☒ 3. All conclusions follow.

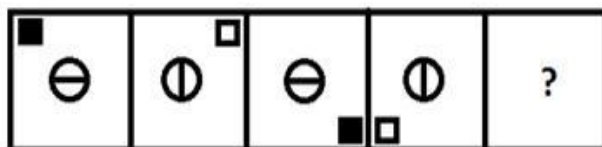
☒ 4. Only conclusions I and II follow.

Question ID : 98958016841

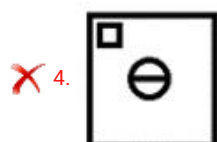
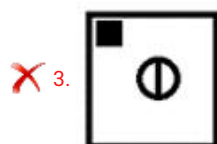
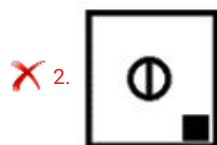
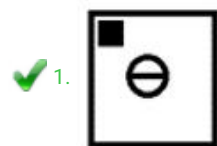
Status : Answered

Chosen Option : 4

Q.21 Select the figure that will come next in the following figure series.



Ans



Question ID : 98958016850  
Status : Answered  
Chosen Option : 1

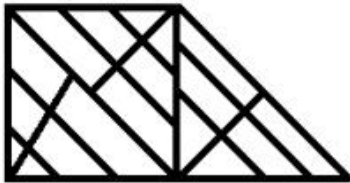
Q.22 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

t s m \_ \_ n q \_ \_ s m m n \_ \_ s t \_ m m n \_ q s

- Ans
- ☒ 1. mnstnqmn
  - ☒ 2. mmstmqtn
  - ☒ 3. mnstnqsn
  - ☒ 4. nmstnqns

Question ID : 98958016836  
Status : Answered  
Chosen Option : 3

Q.23 How many triangles are present in the given figure?



- Ans
- ☒ 1. 29
  - ☒ 2. 28
  - ☒ 3. 27
  - ☒ 4. 30

Question ID : 98958016851  
Status : Answered  
Chosen Option : 3

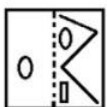
Q.24 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

KSOE : MQQC :: ACZN : ?

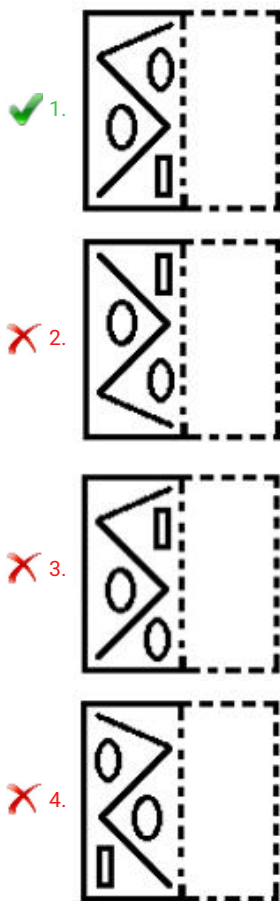
- Ans
- ☒ 1. CABL
  - ☒ 2. CBBL
  - ☒ 3. DACL
  - ☒ 4. CABK

Question ID : 98958016834  
Status : Answered  
Chosen Option : 1

Q.25 A figure of transparent sheet with a pattern is given below. Select the option that shows how the pattern would appear when the transparent sheet is folded at the dotted line.



Ans



Question ID : 98958016853  
Status : Answered  
Chosen Option : 1

Section : General Awareness

Q.1 \_\_\_\_\_ are stable, negatively charged particles found in all atoms.

- Ans
- ✗ 1. Photons
  - ✗ 2. Protons
  - ✗ 3. Neutrons
  - ✓ 4. Electrons

Question ID : 98958016508  
Status : Answered  
Chosen Option : 4

Q.2 Rusting of iron is an example of \_\_\_\_\_.

- Ans
- ✗ 1. combustion
  - ✓ 2. corrosion
  - ✗ 3. evaporation
  - ✗ 4. condensation

Question ID : 98958016510  
Status : Answered  
Chosen Option : 2

Q.3 \_\_\_\_\_ was the network that became the basis for the Internet.

- Ans
- ✗ 1. Clusters
  - ✗ 2. HTTP
  - ✓ 3. ARPANET



 4. SSID

Question ID : **98958016512**  
Status : **Not Answered**  
Chosen Option : --

**Q.4 Who among the following wrote the book 'The Namesake'?**

- Ans  1. Arundhati Roy  
 2. Jhumpa Lahiri  
 3. Amitav Ghosh  
 4. Siddhartha Mukherjee





Question ID : **98958016519**  
Status : **Answered**  
Chosen Option : 1

**Q.5 Which one of the following is an Audio Tool?**

- Ans  1. Avidemus  
 2. Ardour  
 3. Dscaler  
 4. Blender

Question ID : **98958016511**  
Status : **Not Answered**  
Chosen Option : --

**Q.6 With which of the following sports is the term 'Cox' associated?**

- Ans  1. Long Jump  
 2. Boat Racing  
 3. Boxing  
 4. Javelin Throw



Question ID : **98958016523**  
Status : **Not Answered**  
Chosen Option : --

**Q.7 The hill station of Chail is located in \_\_\_\_\_.**

- Ans  1. Himachal Pradesh  
 2. Uttar Pradesh  
 3. Arunachal Pradesh  
 4. Madhya Pradesh

Question ID : **98958016514**  
Status : **Answered**  
Chosen Option : 1

**Q.8 \_\_\_\_\_ gas gives an orange glow when electricity is passed through it. It is generally used in fluorescent lighting.**

- Ans  1. Nitrogen  
 2. Hydrogen  
 3. Neon  
 4. Oxygen

Question ID : **98958016509**

Status : **Answered**  
Chosen Option : **3**

**Q.9 Which of the following is the capital of the Union Territory Dadra and Nagar Haveli?**

- Ans
- ☒ 1. Port Blair
  - ☒ 2. Kavaratti
  - ☒ 3. Daman
  - ☒ 4. Silvassa

Question ID : **98958016513**  
Status : **Answered**  
Chosen Option : **4**

**Q.10 The Vikramashila University was founded by \_\_\_\_\_.**

- Ans
- ☒ 1. Ashoka
  - ☒ 2. Dharmapala
  - ☒ 3. Chandragupta-I
  - ☒ 4. Bimbisara

Question ID : **98958016517**  
Status : **Answered**  
Chosen Option : **2**

**Q.11 From which Indian state did 'Warli Art' originate?**

- Ans
- ☒ 1. Maharashtra
  - ☒ 2. Rajasthan
  - ☒ 3. Kerala
  - ☒ 4. Madhya Pradesh

Question ID : **98958016504**  
Status : **Answered**  
Chosen Option : **1**

**Q.12 The present day city of Bhopal was built by which of the following Pratihara rulers?**

- Ans
- ☒ 1. Mahendra Bhoja
  - ☒ 2. Rajyapala
  - ☒ 3. Vijayasena
  - ☒ 4. Mihir Bhoja

Question ID : **98958016518**  
Status : **Answered**  
Chosen Option : **2**

**Q.13 The 'Pattachitra' style of painting is one of the oldest and most popular art forms of \_\_\_\_\_.**

- Ans
- ☒ 1. West Bengal
  - ☒ 2. Assam
  - ☒ 3. Odisha
  - ☒ 4. Rajasthan

Question ID : **98958016505**  
Status : **Answered**  
Chosen Option : **4**

**Q.14 Which of the following rivers originates in Amarkantak Hill in Madhya Pradesh?**

- Ans
- ☒ 1. Periyar
  - ☒ 2. Ravi
  - ☒ 3. Narmada
  - ☒ 4. Gomti

Question ID : 98958016516  
Status : Answered  
Chosen Option : 3

Q.15 In which city has India's first HIV treatment centre and clinic for the lesbian, gay, bisexual, transgender and queer (LGBTQ) community been inaugurated?

- Ans
- ☒ 1. Bhopal
  - ☒ 2. Bengaluru
  - ☒ 3. Kolkata
  - ☒ 4. Mumbai

Question ID : 98958016528  
Status : Answered  
Chosen Option : 4

Q.16 In August 2018, \_\_\_\_\_ became the first Indian to win the 'Best Actor' award at the Norwegian national awards held in Haugesund, Norway.

- Ans
- ☒ 1. Irrfan Khan
  - ☒ 2. Nawazuddin Siddique
  - ☒ 3. Adil Hussain
  - ☒ 4. Nasiruddin Shah

Question ID : 98958016520  
Status : Answered  
Chosen Option : 2

Q.17 The currency of Japan is \_\_\_\_\_.

- Ans
- ☒ 1. Renminbi
  - ☒ 2. Euro
  - ☒ 3. Yen
  - ☒ 4. Dollar

Question ID : 98958016507  
Status : Answered  
Chosen Option : 3

Q.18 Which one of the following is the joint Army exercises between France and India?

- Ans
- ☒ 1. Shakti
  - ☒ 2. Garuda Shakti
  - ☒ 3. Khanjar
  - ☒ 4. Sampriti

Question ID : 98958016526  
Status : Answered  
Chosen Option : 2

Q.19 The first session of the first Lok Sabha commenced on \_\_\_\_\_.

- Ans
- ☒ 1. 26th January 1950
  - ☒ 2. 15th August 1947

 3. 15th August 1951

 4. 13th May 1952

Question ID : 98958016521

Status : Answered

Chosen Option : 4

Q.20 India won a total of \_\_\_\_\_ medals at the Special Olympics World Summer Games held in Abu Dhabi from 14 to 21 March 2019.

Ans  1. 252

 2. 368

 3. 441

 4. 312

Question ID : 98958016525

Status : Not Answered

Chosen Option : --

Q.21 The border between India and Bhutan adjoins \_\_\_\_\_ Indian states.

Ans  1. Four

 2. Three

 3. Five

 4. Two

Question ID : 98958016515

Status : Not Answered

Chosen Option : --

Q.22 With which of the following sports was Narender Hirwani associated?

Ans  1. Hockey

 2. Football

 3. Boxing

 4. Cricket

Question ID : 98958016524

Status : Not Answered

Chosen Option : --

Q.23 The 'i-help' initiative to promote digital electoral literacy has been launched in which of the following states?

Ans  1. Bihar

 2. Arunachal Pradesh

 3. Chhattisgarh

 4. Assam

Question ID : 98958016527

Status : Answered

Chosen Option : 4

Q.24 \_\_\_\_\_ is the final value of all the finished goods and services produced within a country's borders in a specific time period.

Ans  1. Government revenue

 2. Net National Product

 3. Gross Domestic Product

 4. Gross National Product

Question ID : 98958016506  
Status : Answered  
Chosen Option : 4

Q.25 Who decides the admissibility of Questions in Lok Sabha?





- Ans  1. Speaker
-  2. Prime Minister
-  3. Deputy Speaker
-  4. Vice President

Question ID : 98958016522  
Status : Answered  
Chosen Option : 1

Section : Quantitative Aptitude





Q.1 The simplified value of

$$\frac{\left(3\frac{1}{5} + \frac{3}{5}\right) \div \frac{8}{5}}{1\frac{1}{7} \div \left\{\frac{5}{7} + \left(\frac{1}{7} \div \frac{1}{3}\right)\right\}} \text{ is:}$$

- Ans  1.  $\frac{19}{8}$
-  2.  $\frac{19}{16}$
-  3.  $\frac{19}{64}$
-  4.  $\frac{19}{7}$

Question ID : 98958017216  
Status : Answered  
Chosen Option : 1

Q.2 If each side of a rectangle is increased by 22% , then its area will increase by:

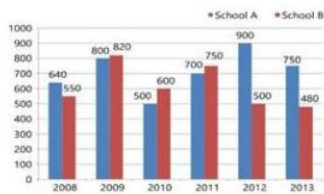
- Ans  1. 44%
-  2. 50%
-  3. 46.65%
-  4. 48.84%

Question ID : 98958017208  
Status : Answered  
Chosen Option : 4

Q.3 If  $\cos x = \frac{-1}{2}$  and  $\pi < x < \frac{3\pi}{2}$  , then the value of  $2\tan^2 x - 3\operatorname{cosec}^2 x$  is:

- Ans  1. 2
-  2. 10
-  3. 8
-  4. 4

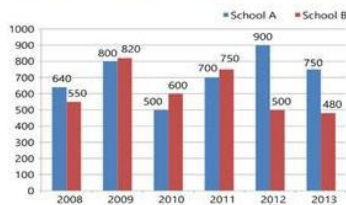
Q.4 The given Bar Graph presents the number of students of two schools for six years.



In which year, the absolute difference between the numbers of students in two schools is the highest?

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

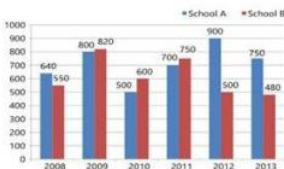
Q.5 The given Bar Graph presents the number of students of two schools for six years.



What is the ratio of students taken for all years together from School B to that from school A?

- Ans
- ☒ 1. 370 : 429
  - ☒ 2. 415 : 401
  - ☒ 3. 429 : 370
  - ☒ 4. 401 : 415

Q.6 The given Bar Graph presents the number of students of two schools for six years.



What is the average number of students from school B during the six year period (correct to two decimal places)?

- Ans
- ☒ 1. 656.17
  - ☒ 2. 616.67
  - ☒ 3. 664.37
  - ☒ 4. 660.17

**Q.7** Two numbers are in the ratio 3 : 4. On increasing each of them by 30, the ratio becomes 9 : 10. The sum of the numbers is:

- Ans**
- ☒ 1. 35
  - ☐ 2. 32
  - ☐ 3. 30
  - ☐ 4. 25

Question ID : 98958017213

Status : Answered

Chosen Option : 1

**Q.8** A dealer buys an article marked at ₹20000 with two successive discounts of 20% and 5%. He spends ₹1000 for its repair and sells it for ₹20000. What is his profit /loss percent (correct to two decimal places)?

- Ans**
- ☐ 1. 25.64% profit
  - ☐ 2. 23.64% loss
  - ☒ 3. 23.46% profit
  - ☐ 4. 25.64% loss

Question ID : 98958017210

Status : Answered

Chosen Option : 3

**Q.9** In a  $\triangle ABC$ , the bisectors of  $\angle B$  and  $\angle C$  meet at O within the triangle. If  $\angle A = 110^\circ$ , then the measure of  $\angle BOC$  is:

- Ans**
- ☐ 1.  $55^\circ$
  - ☐ 2.  $110^\circ$
  - ☒ 3.  $145^\circ$
  - ☐ 4.  $84^\circ$

Question ID : 98958017222

Status : Answered

Chosen Option : 3

**Q.10** If  $(x - 8)^3 + (2x + 16)^3 + (2x - 13)^3 = 3(x - 8)(2x + 16)(2x - 13)$ , then what is the value of  $x$ ?

- Ans**
- ☐ 1. 0.7
  - ☐ 2. -1
  - ☒ 3. 1
  - ☐ 4. 0

Question ID : 98958017219

Status : Answered

Chosen Option : 3

**Q.11** There are two circles of radius 5 cm and 3 cm respectively. The distance between their centres is 10 cm. The length (in cm) of a transverse common tangent is:

- Ans**
- ☐ 1. 9
  - ☒ 2. 6
  - ☐ 3. 8
  - ☐ 4. 10

Question ID : 98958017220

Status : Answered

Chosen Option : 2

Q.12 If  $2(\operatorname{cosec}^2 39^\circ - \tan^2 51^\circ) - \frac{2}{3} \sin 90^\circ - \tan^2 56^\circ y \tan^2 34^\circ = \frac{y}{3}$ , then the value of y is:

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

Question ID : 98958017224  
 Status : Answered  
 Chosen Option : 1

Q.13 The sum of salaries of A and B is ₹43000. A spends 95% of his salary and B spends 80% of his salary. If their savings are the same, what is A's salary (in ₹)?

- Ans ☒ 1. 10600  
☒ 2. 8000  
☒ 3. 35000  
☒ 4. 34400

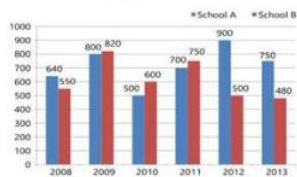
Question ID : 98958017211  
 Status : Answered  
 Chosen Option : 4

Q.14 A person purchased a vehicle for ₹4,89,828 and sold it for ₹5,89,828. What is the profit percent he earned on this vehicle (correct to two decimal places)?

- Ans ☒ 1. 25%  
☒ 2. 18.65%  
☒ 3. 20.42%  
☒ 4. 15%

Question ID : 98958017214  
 Status : Answered  
 Chosen Option : 3

Q.15 The given Bar Graph presents the number of students of two schools for six years.



In which year, the percentage increase in students in school B is the highest in comparison to its previous year?

- Ans ☒ 1. 2011  
☒ 2. 2013  
☒ 3. 2009  
☒ 4. 2010

Question ID : 98958017230  
 Status : Answered  
 Chosen Option : 3

Q.16 If  $3^{\sqrt[4]{x}} + 4^{\sqrt[4]{x}} = 5^{\sqrt[4]{x}}$ , then the value of x is:

- Ans ☒ 1. 4



- ☒ 2. 2  
☒ 3. 8  
☒ 4. 16

Question ID : 98958017217  
Status : Answered  
Chosen Option : 4

Q.17 The ratio between the speeds of two trains is 2 : 5. If the first train covers 350 km in 5 hours, then the speed (in km/h) of the second train is:

- Ans ☒ 1. 175  
☒ 2. 150  
☒ 3. 180  
☒ 4. 165

Question ID : 98958017207  
Status : Answered  
Chosen Option : 1

Q.18 A and B can complete a piece of work in 15 days and 10 days respectively. They got a contract to complete the work for ₹35000. The share of A (in ₹) in the contracted money will be:

- Ans ☒ 1. 7000  
☒ 2. 15000  
☒ 3. 14000  
☒ 4. 21000

Question ID : 98958017206  
Status : Answered  
Chosen Option : 3

Q.19 The average age of fifteen persons is 32 years. If two more persons are added, then the average is increased by 3 years. The new persons have age difference of 7 years. The age (in years) of the younger among the new persons is:

- Ans ☒ 1. 54  
☒ 2. 61  
☒ 3. 50  
☒ 4. 58

Question ID : 98958017209  
Status : Answered  
Chosen Option : 1

Q.20 Two students, A and B, appeared for an examination. A secured 8 marks more than B and the marks of the former was 55% of the sum of their marks. The sum of the marks obtained by A and B is:

- Ans ☒ 1. 100  
☒ 2. 80  
☒ 3. 75  
☒ 4. 90

Question ID : 98958017212  
Status : Answered  
Chosen Option : 2

Q.21 If  $x = 2 + \sqrt{3}$  then the value of  $x^3 + x^{-3}$  is:

- Ans ☒ 1. 52

☒ 2.  $-52$

☒ 3.  $-52\sqrt{3}$

☒ 4.  $52\sqrt{3}$

Question ID : 98958017218

Status : Answered

Chosen Option : 1

Q.22 If an 8-digit number  $30x558y2$  is divisible by 88, then the value of  $(6x + 6y)$  is:

Ans ☒ 1. 42

☒ 2. 66

☒ 3. 30

☒ 4. 35

Question ID : 98958017215

Status : Answered

Chosen Option : 1

Q.23 In triangle ABC, the length of BC is less than twice the length of AB by 3 cm. The length of the AC exceeds the length of AB by 1 cm. The perimeter of the triangle is 34 cm. The length (in cm) of the smaller side of the triangle is:

Ans ☒ 1. 10

☒ 2. 8

☒ 3. 7

☒ 4. 9

Question ID : 98958017223

Status : Answered

Chosen Option : 4

Q.24 If  $\operatorname{cosec} \theta = 3x$  and  $\cot \theta = \frac{3}{x}$ , ( $x \neq 0$ ) then the value of  $6\left(x^2 - \frac{1}{x^2}\right)$  is:

Ans ☒ 1.  $\frac{2}{3}$

☒ 2. 1

☒ 3.  $\frac{1}{4}$

☒ 4.  $\frac{1}{2}$

Question ID : 98958017225

Status : Answered

Chosen Option : 1

Q.25 The chord of the contact of tangents drawn from a point on the circle  $x^2 + y^2 = a^2$  to the circle  $x^2 + y^2 = b^2$  touches the circle  $x^2 + y^2 = c^2$  such that  $b^p = a^m c^n$ , where  $m, n, p \in \mathbb{N}$ , and  $m, n, p$  are prime to each other, then the value of  $2m + n + 2p - 3$  is:

Ans ☒ 1. 5

☒ 2. 4

☒ 3. 2

☒ 4. 6

Question ID : 98958017221

Status : Not Answered

Chosen Option : --

Q.1 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. But when their short racing careers are over, greyhounds are adopted as household pets.
- B. Greyhound racing is a popular spectator sport in the United States.
- C. They worry that the greyhounds would need a large space to run to get sufficient exercise.
- D. Unfortunately, many people hesitate to adopt a retired racing greyhound as a pet.

- Ans
- ☒ 1. DACB
  - ☒ 2. DBCA
  - ☒ 3. BADC
  - ☒ 4. BDAC

Question ID : 98958016155

Status : Answered

Chosen Option : 3

Q.2 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Little did she know that I was out of job once again.
- B. But all the money soon vanished into the bottomless pit of household needs.
- C. I returned home with my pockets full of my earnings.
- D. However, my grandmother was happy that I had become responsible.

- Ans
- ☒ 1. DBAC
  - ☒ 2. CBDA
  - ☒ 3. BCDA
  - ☒ 4. CDAB

Question ID : 98958016154

Status : Answered

Chosen Option : 2

Q.3 Select the most appropriate passive form of the given sentence.

The surgeon successfully operated upon the patient.

- Ans
- ☒ 1. The patient is being successfully operated upon by the surgeon.
  - ☒ 2. The patient is successfully operated upon by the surgeon.
  - ☒ 3. The patient was successfully operated upon by the surgeon.
  - ☒ 4. The surgeon has been successfully operated upon by the patient.

Question ID : 98958016144

Status : Answered

Chosen Option : 3

Q.4 Identify the most appropriate option to substitute the underlined segment. If no substitution is required, select No substitution.

No sooner was his name called out when he was gone onto the stage to receive the award.

- Ans
- ☒ 1. and he was going
  - ☒ 2. No substitution
  - ☒ 3. but he went
  - ☒ 4. than he went

Question ID : 98958016146

Status : Answered

Chosen Option : 4

Q.5 Select the most appropriate antonym of the given word.

ASCENT

- Ans  1. nascent  
 2. descent  
 3. crescent  
 4. recent





Question ID : 98958016159

Status : Answered

Chosen Option : 2

Q.6 Identify the segment which contains the grammatical error

Pleasure cannot derive from giving pain to innocent people.

- Ans  1. Pleasure cannot derive  
 2. pain to  
 3. innocent people  
 4. from giving

Question ID : 98958016142

Status : Answered

Chosen Option : 1

Q.7 Select the most appropriate word for the group of words.

One who walks on foot

- Ans  1. pauper  
 2. pediatrician  
 3. pedestrian  
 4. protagonist




Question ID : 98958016162

Status : Answered

Chosen Option : 3

Q.8 Select the most appropriate meaning of the given idiom.

Pass the hat

- Ans  1. to sell something  
 2. to collect money  
 3. to play a game  
 4. to avoid work

Question ID : 98958016161

Status : Answered

Chosen Option : 4

Q.9 Select the most appropriate synonym of the given word.

RESOLUTE

- Ans  1. unsure  
 2. determined  
 3. uncertain  
 4. hesitant

Question ID : 98958016156

Status : **Answered**  
Chosen Option : 2

Q.10 Select the most appropriate meaning of the given idiom.

As the crow flies

- Ans
- ☒ 1. to be uncertain
  - ☒ 2. a long winding path
  - ☒ 3. the shortest route
  - ☒ 4. to be directionless

Question ID : 98958016160  
Status : **Answered**  
Chosen Option : 1

Q.11 Identify the segment which contains the grammatical error.

Lack of formal education did not prevent Lincoln to become a great leader.

- Ans
- ☒ 1. did not prevent
  - ☒ 2. a great leader
  - ☒ 3. to become
  - ☒ 4. Lack of

Question ID : 98958016143  
Status : **Answered**  
Chosen Option : 3

Q.12 Fill in the blank with the most appropriate word.

I had \_\_\_\_\_ pain in the stomach after taking lunch.

- Ans
- ☒ 1. strict
  - ☒ 2. heavy
  - ☒ 3. huge
  - ☒ 4. acute

Question ID : 98958016166  
Status : **Answered**  
Chosen Option : 4

Q.13 Identify the most appropriate option to substitute the underlined segment. If no substitution is required, select No substitution.

I was astonished on the ignorance in the villagers.

- Ans
- ☒ 1. over the ignorance between
  - ☒ 2. No substitution
  - ☒ 3. on the ignorance by
  - ☒ 4. at the ignorance of

Question ID : 98958016147  
Status : **Answered**  
Chosen Option : 4

Q.14 Fill in the blank with the most appropriate word.

All organizations seek sincere and \_\_\_\_\_ employees.

- Ans
- ☒ 1. industrious
  - ☒ 2. industrial

- ☒ 3. inactive  
☒ 4. inert

Question ID : 98958016167  
Status : Answered  
Chosen Option : 1

Q.15 Select the wrongly spelt word.

- Ans ☒ 1. extract  
☒ 2. eligible  
☒ 3. extension  
☒ 4. explanation

Question ID : 98958016165  
Status : Answered  
Chosen Option : 4

Q.16 Select the correctly spelt word.

- Ans ☒ 1. oppertunity  
☒ 2. opportunity  
☒ 3. oppurtunity  
☒ 4. oportunity

Question ID : 98958016164  
Status : Answered  
Chosen Option : 2

Q.17 Select the most appropriate indirect form of the given sentence.

Father said to his daughter, "I will attend your convocation tomorrow."

- Ans ☒ 1. Father told his daughter that he would attend her convocation the next day.  
☒ 2. Father told his daughter I will attend her convocation tomorrow.  
☒ 3. Father told his daughter that he will attend her convocation tomorrow.  
☒ 4. Father told his daughter that he will be attending her convocation the next day.

Question ID : 98958016145  
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.

As the rains receded I got a strange job. Our neighbour, a (1) \_\_\_\_\_ merchant decided to become a politician. But he was (2) \_\_\_\_\_ so he wanted me to (3) \_\_\_\_\_ him everywhere he went and read and write (4) \_\_\_\_\_ him. For my work I was to be paid decent (5) \_\_\_\_\_.

SubQuestion No : 18

Q.18 Select the most appropriate option to fill in blank number 1

- Ans ☒ 1. populous  
☒ 2. prosperous  
☒ 3. affluent  
☒ 4. ambitious

Question ID : 98958016149  
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.

As the rains receded I got a strange job. Our neighbour, a (1) \_\_\_\_\_ merchant decided to become a politician. But he was (2) \_\_\_\_\_ so he wanted me to (3) \_\_\_\_\_ him everywhere he went and read and write (4) \_\_\_\_\_ him. For my work I was to be paid decent (5) \_\_\_\_\_.

**SubQuestion No : 19****Q.19 Select the most appropriate option to fill in blank number 2**

- Ans
- ☒ 1. illogical
  - ☒ 2. illegible
  - ☒ 3. illegitimate
  - ☒ 4. illiterate

Question ID : 98958016150

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.

As the rains receded I got a strange job. Our neighbour, a (1) \_\_\_\_\_ merchant decided to become a politician. But he was (2) \_\_\_\_\_ so he wanted me to (3) \_\_\_\_\_ him everywhere he went and read and write (4) \_\_\_\_\_ him. For my work I was to be paid decent (5) \_\_\_\_\_.

**SubQuestion No : 20****Q.20 Select the most appropriate option to fill in blank number 3**

- Ans
- ☒ 1. attend
  - ☒ 2. coexist
  - ☒ 3. accompany
  - ☒ 4. coincide

Question ID : 98958016151

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.

As the rains receded I got a strange job. Our neighbour, a (1) \_\_\_\_\_ merchant decided to become a politician. But he was (2) \_\_\_\_\_ so he wanted me to (3) \_\_\_\_\_ him everywhere he went and read and write (4) \_\_\_\_\_ him. For my work I was to be paid decent (5) \_\_\_\_\_.

**SubQuestion No : 21****Q.21 Select the most appropriate option to fill in blank number 4**

- Ans
- ☒ 1. for
  - ☒ 2. from
  - ☒ 3. on
  - ☒ 4. through

Question ID : 98958016152

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.

As the rains receded I got a strange job. Our neighbour, a (1) \_\_\_\_\_ merchant decided to become a politician. But he was (2) \_\_\_\_\_ so he wanted me to (3) \_\_\_\_\_ him everywhere he went and read and write (4) \_\_\_\_\_ him. For my work I was to be paid decent (5) \_\_\_\_\_.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 5

- Ans  1. wages  
 2. prize  
 3. reward  
 4. bonus

Question ID : 98958016153  
Status : Answered  
Chosen Option : 1

Q.23 Select the most appropriate synonym of the given word.

INTREPID

- Ans  1. gallant  
 2. cowardly  
 3. insecure  
 4. invisible

Question ID : 98958016157  
Status : Answered  
Chosen Option : 2

Q.24 Select the most appropriate word for the group of words.

An official pardon

- Ans  1. regicide  
 2. redemption  
 3. amnesty  
 4. amnesia

Question ID : 98958016163  
Status : Answered  
Chosen Option : 3

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

FLEXIBLE

- Ans  1. pliant  
 2. elastic  
 3. stiff  
 4. variable

Question ID : 98958016158  
Status : Answered  
Chosen Option : 3