

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

Roll No.	
Registration No.	
Name	
Test Venue	iON Digital Zone iDZ Sector 34
Test Time	4:00 PM - 5:00 PM
Test Date	03/07/2019

## Section : General Intelligence

Q.1 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

H \_ \_ E P C K \_ \_ C D E P \_ K F H C \_ E P C \_ F

- Ans
- ☒ 1. DCFHFDD
  - ☒ 2. CDHHDCK
  - ☒ 3. CDFHCDK
  - ☒ 4. CCFHKDK

Question ID : 98958015814

Status : Answered

Chosen Option : 3

Q.2 'Glaucoma' is related to 'Eyes' in the same way as 'Arthritis' is related to '\_\_\_\_\_'. .

- Ans
- ☒ 1. Liver
  - ☒ 2. Joints
  - ☒ 3. Ears
  - ☒ 4. Arteries

Question ID : 98958015813

Status : Answered

Chosen Option : 2

Q.3 In a code language, ELECTION is written as DKDBSHNM. How will EXAMPLE be written in the same language?

- Ans
- ☒ 1. FWZLOKD
  - ☒ 2. DWZLOKD
  - ☒ 3. DYZLOKD
  - ☒ 4. DWZLOKF

Question ID : 98958015514

Status : Answered

Chosen Option : 3

Q.4 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.

7 : 729

- Ans
- ☒ 1. 8 : 1000

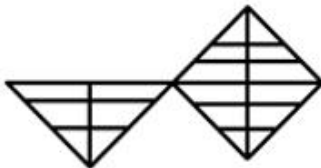
- ☐ 2. 4 : 64
- ☐ 3. 5 : 125
- ☐ 4. 6 : 343

Question ID : 98958015822

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.5 How many triangles are present in the following figure?



- Ans ☐ 1. 27
- ☒ 2. 29
- ☐ 3. 31
- ☐ 4. 30

Question ID : 98958015829

Status : **Answered**

Chosen Option : 1

Q.6 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.

Fan : Electricity

- Ans ☐ 1. Cooler : Water
- ☐ 2. Petrol : Fuel
- ☐ 3. Bike : Kick
- ☒ 4. Vehicles : Diesel

Question ID : 98958015816

Status : **Answered**

Chosen Option : 4

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. Bleat
- ☐ 2. Croak
- ☐ 3. Bark
- ☒ 4. Larva

Question ID : 98958015818

Status : **Not Attempted and Marked For Review**

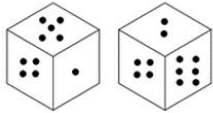
Chosen Option : --

Q.8 The total age of a mother and her son is 60 years. The difference between their ages is 30 years. Find out the age of the mother.

- Ans
- ☒ 1. 50 years
  - ☒ 2. 45 years
  - ☒ 3. 35 years
  - ☒ 4. 40 years

Question ID : 98958015518  
Status : Answered  
Chosen Option : 2

Q.9 Two different positions of the same dice are shown. How many dots will be on the top if four dots are at the bottom?



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

Question ID : 98958015827  
Status : Answered  
Chosen Option : 1

Q.10 'A + B' means 'A is the brother of B'.  
'A - B' means 'A is the husband of B'.  
'A × B' means 'A is the mother of B'.  
'A ÷ B' means 'A is the sister of B'.

If  $P + R \div T - K \times O \times C$ , then how is P related to O?

- Ans
- ☒ 1. Paternal Grandfather
  - ☒ 2. Father
  - ☒ 3. Paternal Uncle
  - ☒ 4. Brother

Question ID : 98958015815  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.11 Which two signs should be interchanged to make the given equation correct?

$$20 + 5 \times 3 \div 3 - 1 = 14$$

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

Question ID : 98958015519  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.12 In a code language, ELASTIC is written as DOHVFLW. How will SMARTER be written as in that language?

- Ans
- ☒ 1. DPVTUGW
  - ☒ 2. DOTUUHX
  - ☒ 3. EQVUUHW
  - ☒ 4. DPVUUHW

Question ID : 98958015810

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.13 If MAGENTA is coded as 1317514201, then how will VISCOUS be coded as?

- Ans
- ☒ 1. 218193162018
  - ☒ 2. 229193152119
  - ☒ 3. 239203152219
  - ☒ 4. 228193142118

Question ID : 98958015811

Status : Answered

Chosen Option : 2

Q.14 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.

CQHL : FTEI :: OPAR : ?

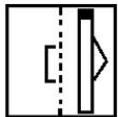
- Ans
- ☒ 1. RTYO
  - ☒ 2. RSXO
  - ☒ 3. RSXP
  - ☒ 4. YTXO

Question ID : 98958015812

Status : Answered

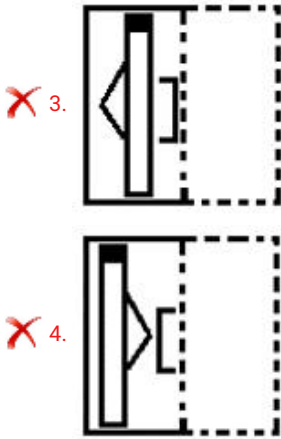
Chosen Option : 2

Q.15 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.



Ans

- ☒ 1.
- ☒ 2.



Question ID : 98958015831  
Status : Answered  
Chosen Option : 1

Q.16 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. 173  
☒ 2. 179  
☒ 3. 181  
☒ 4. 183

Question ID : 98958015826  
Status : Answered  
Chosen Option : 4

Q.17 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans ☒ 1. BCEH  
☒ 2. KLNQ  
☒ 3. TUWZ  
☒ 4. LMPS

Question ID : 98958015817  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.18 Select the option in which the given figure (X) is embedded (rotation not allowed).



X

Ans



☒ 1.

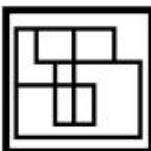
✓ 2.



✗ 3.



✗ 4.



Question ID : 98958015830

Status : Answered

Chosen Option : 2

Q.19 Arrange the following in a logical and meaningful order.

1. World Cup semi-final matches
2. World Cup finals match
3. Organising the World Cup
4. Finalising the participating teams
5. Winner of the World Cup

Ans ✗ 1. 5, 2, 3, 1, 4

✗ 2. 4, 1, 2, 3, 5

✓ 3. 4, 3, 1, 2, 5

✗ 4. 4, 1, 3, 2, 5

Question ID : 98958015809

Status : Answered

Chosen Option : 3

Q.20 There are fourteen teams playing in a tournament. If every team plays one match with every other team, how many matches will be played in the tournament?

Ans ✗ 1. 66

✗ 2. 78

✓ 3. 91

✗ 4. 101

Question ID : 98958015820

Status : Answered

Chosen Option : 3

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

DOP, FPN, HQL, JRJ, ?

Ans ✓ 1. LSH

✗ 2. LSI

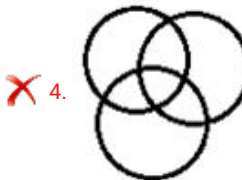
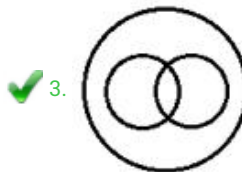
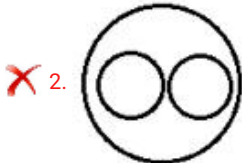
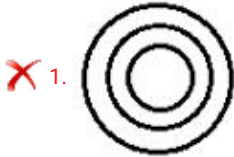
✗ 3. KSH

✗ 4. KTI

Q.22 Select the Venn diagram that best illustrates the relationship between the following classes.

Women, Sisters, Mothers

Ans



Q.23 Select the figure that will come next in the following figure series.



Ans





Question ID : 98958015828

Status : Answered

Chosen Option : 1

Q.24 Select the correct mirror image of the given combination when the mirror is placed to the right.

U K R 4 e d m 8

Ans

- ☒ 1. 8 m b e 4 Я K U
- ☒ 2. 8 m b e 4 Я K U
- ☒ 3. 8 m b e 4 Я K U
- ☒ 4. 8 w b e 4 Я K U

Question ID : 98958015832

Status : Answered

Chosen Option : 2

Q.25 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 breads are cakes.

All eggs are cakes.

Conclusions:

I. Some cakes are breads.

II. Some breads are eggs.

III. No bread is an egg.

Ans

- ☒ 1. All the conclusions follow.
- ☒ 2. Conclusion I and either conclusion II or III follow.
- ☒ 3. Only conclusions I and II follow.
- ☒ 4. Only conclusions I and III follow.

Question ID : 98958015819

Status : Answered

Chosen Option : 2

Section : General Awareness

Q.1 Oman author Joka Alharthi won the '2019 Man Booker International Prize' for which of the following novels?

Ans

- ☒ 1. Celestial Bodies
- ☒ 2. Milkman
- ☒ 3. The Pine Islands
- ☒ 4. The Years



Question ID : 98958015188  
Status : Answered  
Chosen Option : 1

Q.2 Which emperor's army did Maharana Pratap fight in the Battle of Haldighati?

- Ans
- ☒ 1. Mahmud Shah
  - ☒ 2. Humayun
  - ☒ 3. Ibrahim Lodi
  - ☒ 4. Akbar

Question ID : 98958015177  
Status : Answered  
Chosen Option : 4

Q.3 What is the rank of India on Human Development Index 2018?

- Ans
- ☒ 1. 181
  - ☒ 2. 130
  - ☒ 3. 210
  - ☒ 4. 21

Question ID : 98958015166  
Status : Answered  
Chosen Option : 2

Q.4 Who among the following invented the computer language, COBOL?

- Ans
- ☒ 1. Grace Murray Hopper
  - ☒ 2. John McCarthy
  - ☒ 3. Guido van Rossum
  - ☒ 4. Brendan Eich

Question ID : 98958015172  
Status : Not Answered  
Chosen Option : --

Q.5 According to Census 2011, which state has the highest density of population?

- Ans
- ☒ 1. West Bengal
  - ☒ 2. Bihar
  - ☒ 3. Uttar Pradesh
  - ☒ 4. Maharashtra

Question ID : 98958015175  
Status : Answered  
Chosen Option : 2

Q.6 \_\_\_\_\_ is a metamorphic rock form characterised by banding caused by segregation of different types of rock, typically light and dark silicates.

- Ans
- ☒ 1. Gneiss
  - ☒ 2. Quartzite
  - ☒ 3. Slate

 4. Marble

Question ID : 98958015170

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

**Q.7 Which of the following is the highest award (in the order of precedence) for military services in India?**



- Ans
-  1. Kirti Chakra
  -  2. Ashok Chakra
  -  3. Veer Chakra
  -  4. Param Vir Chakra

Question ID : 98958015180

Status : **Not Answered**

Chosen Option : --

**Q.8 India lifted South Asian Football Federation SAFF Women's Championship for how many times in a row in March 2019?**

- Ans
-  1. 6th
  -  2. 5th
  -  3. 3rd
  -  4. 4th

Question ID : 98958015185

Status : **Not Answered**

Chosen Option : --

**Q.9 As per the Constitution of India, Panchayats at the intermediate level may NOT be constituted in a State having a population not exceeding:**





- Ans
-  1. Thirty lakhs
  -  2. Forty lakhs
  -  3. Ten lakhs
  -  4. Twenty lakhs

Question ID : 98958015181

Status : **Not Attempted and  
Marked For Review**

Chosen Option : --

**Q.10 Which one of the following is a monetary principle stating that "bad money drives out good"?**

- Ans
-  1. Pareto efficiency
  -  2. The multiplier effect
  -  3. Marshall's scissors analysis
  -  4. Gresham's law

Question ID : 98958015167

Status : **Answered**

Chosen Option : 1

Q.11 To which state does the traditional folk dance 'Gotipua' belong?

- Ans
- ☐ 1. West Bengal
  - ☒ 2. Odisha
  - ☐ 3. Bihar
  - ☐ 4. Chhattisgarh

Question ID : 98958015164  
Status : Not Answered  
Chosen Option : --

Q.12 Kolleru Lake which is one of the largest freshwater lakes in India is located in which state?

- Ans
- ☐ 1. Jammu & Kashmir
  - ☒ 2. Andhra Pradesh
  - ☐ 3. Manipur
  - ☐ 4. Rajasthan

Question ID : 98958015176  
Status : Answered  
Chosen Option : 1

Q.13 The power to enquire into and decide all doubts and disputes arising out of election of the President is vested in:

- Ans
- ☐ 1. The Chairman of Rajya Sabha
  - ☐ 2. The Prime Minister of India
  - ☒ 3. The Supreme Court
  - ☐ 4. The Election Commission

Question ID : 98958015182  
Status : Marked For Review  
Chosen Option : 3

Q.14 Deficiency of which of the following nutrients is the most common cause of goiters?

- Ans
- ☐ 1. Iron
  - ☐ 2. Vitamin C
  - ☐ 3. Calcium
  - ☒ 4. Iodine

Question ID : 98958015168  
Status : Answered  
Chosen Option : 4

Q.15 Second generation computers can be characterised largely by their use of \_\_\_\_\_.

- Ans
- ☐ 1. Integrated circuits
  - ☐ 2. Vacuum tubes
  - ☐ 3. Microprocessors
  - ☒ 4. Transistors

Question ID : 98958015171

Status : **Answered**  
Chosen Option : 4

Q.16 In the famous Rohilla War in the year 1774, the Rohillas were defeated by the Nawab of Awadh named:

- Ans
- ☒ 1. Asif Jah Mirza
  - ☒ 2. Asaf-ud-Daula
  - ☒ 3. Yamin-ud-Daula
  - ☒ 4. Shuja-ud-Daula

Question ID : **98958015178**  
Status : **Not Answered**  
Chosen Option : --

Q.17 Which force helps swimmers float in water?

- Ans
- ☒ 1. Muscular force
  - ☒ 2. Frictional force
  - ☒ 3. Buoyant force
  - ☒ 4. Magnetic force

Question ID : **98958015169**  
Status : **Answered**  
Chosen Option : 3

Q.18 Which is the new state bird of Andhra Pradesh declared by the State Government in June 2018?

- Ans
- ☒ 1. Sarus Crane
  - ☒ 2. Great Hornbill
  - ☒ 3. Rose-ringed Parrot
  - ☒ 4. Black Crested Bulbul

Question ID : **98958015174**  
Status : **Not Answered**  
Chosen Option : --

Q.19 On which river is Polavaram irrigation project being built?

- Ans
- ☒ 1. Son
  - ☒ 2. Tungabhadra
  - ☒ 3. Godavari
  - ☒ 4. Kaveri

Question ID : **98958015173**  
Status : **Not Answered**  
Chosen Option : --

Q.20 Which country won the '2019 Sultan Azlan Shah Cup Hockey' title?

- Ans
- ☒ 1. South Korea
  - ☒ 2. Malaysia
  - ☒ 3. Australia

 4. India

Question ID : 98958015183  
Status : Answered  
Chosen Option : 2

Q.21 Who among the following was awarded the third Sayaji Ratna Award in November 2018 which has been established in the memory of erstwhile Baroda ruler Sayajirao Gaekwad III?

- Ans
-  1. Mohanlal
  -  2. Shiv Nadar
  -  3. Amitabh Bachchan
  -  4. Azim Premji

Question ID : 98958015179  
Status : Not Answered  
Chosen Option : --

Q.22 Which of the following places is famous for Chikankari embroidery?

- Ans
-  1. Indore
  -  2. Hyderabad
  -  3. Chennai
  -  4. Lucknow

Question ID : 98958015165  
Status : Not Answered  
Chosen Option : --

Q.23 As of May 2019, which player has scored the most international runs in the world in all the three formats (Test Match, ODI Match and T-20 Match) of cricket combined?

- Ans
-  1. Ricky Ponting
  -  2. Virat Kohli
  -  3. Sachin Tendulkar
  -  4. Don Bradman

Question ID : 98958015184  
Status : Answered  
Chosen Option : 2

Q.24 Who was recently elected as the President of Indonesia for the second term?

- Ans
-  1. Susilo Bambang Yudhoyono
  -  2. Megawati Sukarnoputri
  -  3. Abdurrahman Wahid
  -  4. Joko Widodo

Question ID : 98958015187  
Status : Answered  
Chosen Option : 4

Q.25 Which day has been proclaimed as The International Day for Biological Diversity (IDB) to increase understanding and awareness of biodiversity issues by The United Nations?

Ans

-  1. 18 Oct  
 2. 10 November  
 3. 24 Apr  
 4. 22 May

Question ID : 98958015186  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude

**Q.1** Two trains of equal length travelling in opposite directions at 72 km/h and 108 km/h cross each other in 10 seconds. In how much time (in seconds) does the first train cross a platform of length 350 m?

- Ans**  1. 30  
 2. 32  
 3. 36  
 4. 24

Question ID : 98958015686  
Status : Answered  
Chosen Option : 4

**Q.2** If  $x + y + z = 19$ ,  $x^2 + y^2 + z^2 = 133$ , then the value of  $x^3 + y^3 + z^3 - 3xyz$  is:

- Ans**  1. 361  
 2. 342  
 3. 380  
 4. 352

Question ID : 98958015698  
Status : Answered  
Chosen Option : 1

**Q.3** If  $8(x + y)^3 - (x - y)^3 = (x + 3y)(Ax^2 + Bxy + Cy^2)$ , then the value of  $(A - B - C)$  is:

- Ans**  1. -2  
 2. -6  
 3. 10  
 4. 14

Question ID : 98958015696  
Status : Not Answered  
Chosen Option : --

**Q.4** An article is sold for ₹x. If it is sold at  $33\frac{1}{3}\%$  of this price, there is a loss of 20%. What is the percentage profit when it is sold for ₹x?

- Ans**  1. 140  
 2. 125  
 3. 130

✗ 4. 120

Question ID : 98958015691

Status : Not Answered

Chosen Option : --

Q.5 What is the simplified value of

$$5 \div 10 \text{ of } 10 \times 4 + 4 \div 4 \text{ of } 4 \times 10 - (10 - 4) \div 16 \times 4 = ?$$

Ans ✓ 1. 1.2

✗ 2. 2.5

✗ 3. 21

✗ 4. 58.5

Question ID : 98958015695

Status : Answered

Chosen Option : 4

Q.6 In a class of 80 students, the ratio of the urban to the rural is 5 : 3. In a test, the average score of the rural students is 40% more than that of the urban students. If the average score of all the students is 69, then what is the average score of the rural students?

Ans ✗ 1. 80

✗ 2. 76

✗ 3. 92

✓ 4. 84

Question ID : 98958015688

Status : Answered

Chosen Option : 2

Q.7 The compound interest on a certain sum for 3 years at 15% p.a., interest compound yearly, is ₹4167. What is the simple interest on the same sum in  $4\frac{4}{5}$  years at the same rate?

Ans ✗ 1. ₹6144

✗ 2. ₹6000

✗ 3. ₹4800

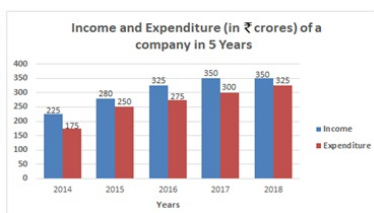
✓ 4. ₹5760

Question ID : 98958015693

Status : Not Answered

Chosen Option : --

Q.8 The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.



The average Income (per year) of the company in five years is what percentage more than its Expenditure in 2015?

- Ans
- ☒ 1. 24.2
  - ☒ 2. 20.8
  - ☒ 3. 24.6
  - ☒ 4. 22.4

Question ID : 98958015707

Status : Not Answered

Chosen Option : --

Q.9 In  $\triangle ABC$ , AD is the bisector of  $\angle BAC$ , meeting BC at D. If AC = 21 cm, BC = 12 cm and the length of BD is 2 cm less than DC, then the length of side AB is:

- Ans
- ☒ 1. 14 cm
  - ☒ 2. 15 cm
  - ☒ 3. 18 cm
  - ☒ 4. 10 cm

Question ID : 98958015701

Status : Answered

Chosen Option : 2

Q.10 The value of

$$\frac{4 \tan^2 30^\circ + \frac{1}{4} \sin^2 90^\circ + \frac{1}{8} \cot^2 60^\circ + \sin^2 30^\circ \cos^2 45^\circ}{\sin 60^\circ \cos 30^\circ - \cos 60^\circ \sin 30^\circ} \text{ is:}$$

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

Question ID : 98958015703

Status : Not Answered

Chosen Option : --

Q.11 If  $\left(\frac{1}{1+\operatorname{cosec}\theta} - \frac{1}{1-\operatorname{cosec}\theta}\right) \cos\theta = 2, 0^\circ < \theta < 90^\circ$ , then the value of  $\sin^2\theta + \cot^2\theta + \sec^2\theta$  is:

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

Question ID : 98958015705

Status : Not Answered

Chosen Option : --

Q.12



The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.



The total Income of the company in 2015, 2017 and 2018 is approximately what percent less than the total Expenditure in the five years?

- Ans ☒ 1. 26  
☒ 2. 22  
☒ 3. 24  
☒ 4. 21

Question ID : 98958015709

Status : Not Answered

Chosen Option : --

**Q.13** In a  $\triangle ABC$ , D and E are two points on sides AB and BC, respectively such that  $AD : DB = 2 : 3$  and  $DE \parallel AC$ . If the area of  $\triangle ADE$  is equal to  $18 \text{ cm}^2$ , then what is the area (in  $\text{cm}^2$ ) of  $\triangle ABC$ ?

- Ans ☒ 1. 40.5  
☒ 2. 75  
☒ 3. 54  
☒ 4. 45

Question ID : 98958015702

Status : Answered

Chosen Option : 4

**Q.14** If a 10-digit number  $46789x531y$  is divisible by 72, then the value of  $(2x + 5y)$ , for the largest value of  $x$  is:

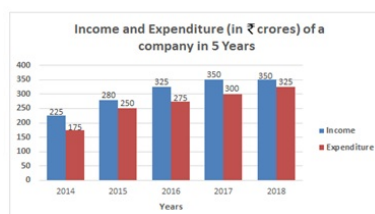
- Ans ☒ 1. 28  
☒ 2. 16  
☒ 3. 10  
☒ 4. 38

Question ID : 98958015694

Status : Not Attempted and Marked For Review

Chosen Option : --

**Q.15** The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.



In which year is the Expenditure more than 40% as compared to the Expenditure in the previous year?

Ans

- ☒ 1. 2016
- ☒ 2. 2015
- ☒ 3. 2018
- ☒ 4. 2017

Question ID : 98958015708

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.16** A man gets a discount of 30% and then 20% on his food bill of ₹1,250. How much amount does he has to pay?

- Ans**
- ☒ 1. ₹700
  - ☒ 2. ₹550
  - ☒ 3. ₹350
  - ☒ 4. ₹500

Question ID : 98958015722

Status : **Answered**

Chosen Option : 2

**Q.17** 18 men can complete a work in 9 days. After they have worked for 5 days, 6 more men join them. How many days will they take to complete the remaining work?

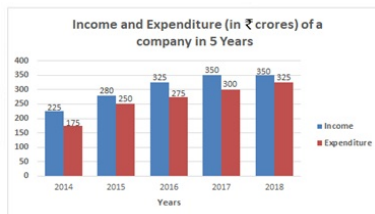
- Ans**
- ☒ 1. 3
  - ☒ 2.  $2\frac{1}{2}$
  - ☒ 3. 2
  - ☒ 4.  $3\frac{1}{2}$

Question ID : 98958015685

Status : **Answered**

Chosen Option : 1

**Q.18** The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.



What is the ratio of total Expenditure to total Income of the company in 2014, 2016 and 2017?

- Ans**
- ☒ 1. 13 : 18
  - ☒ 2. 3 : 4
  - ☒ 3. 15 : 16
  - ☒ 4. 5 : 6

Question ID : 98958015706

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.19** An article is sold for ₹360 after allowing discount of 20% on its marked price. Had the discount not been allowed, the profit would have been 50%. The cost price of the article is:





- Ans
-  1. ₹320
  -  2. ₹300
  -  3. ₹360
  -  4. ₹350

Question ID : 98958015689

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.20** In a circle with centre O, a diameter AB and a chord CD intersect each other at E, AC and AD are joined. If  $\angle BOC = 48^\circ$  and  $\angle AOD = 100^\circ$ , then what is the measure of  $\angle CEB$  ?





- Ans
-  1.  $72^\circ$
  -  2.  $74^\circ$
  -  3.  $78^\circ$
  -  4.  $82^\circ$

Question ID : 98958015700

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.21** If  $\tan x = \cot (60^\circ + 6x)$ , then what is the value of x?

- Ans
-  1.  $10^\circ$
  -  2.  $\frac{30^\circ}{7}$
  -  3.  $\frac{15^\circ}{2}$
  -  4.  $12^\circ$

Question ID : 98958015725

Status : **Answered**

Chosen Option : 2

**Q.22** If  $9a^2 + 16b^2 + c^2 + 25 = 24(a + b)$ , then the value of  $(3a + 4b + 5c)$  is:

- Ans
-  1. 9
  -  2. 6
  -  3. 7
  -  4. 10

Question ID : 98958015697

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.23** The length of a rectangular park is 20 m more than its breadth. If the cost of fencing the park at ₹53 per metre is ₹21200, then what is the area (in m<sup>2</sup>) of the park?

- Ans
- ☒ 1. 9504
  - ☒ 2. 8925
  - ☒ 3. 9240
  - ☒ 4. 9900

Question ID : 98958015687

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.24** Let  $\Delta ABC \sim \Delta QPR$  and  $\frac{\text{ar}(\Delta ABC)}{\text{ar}(\Delta PQR)} = \frac{9}{4}$ . If AB = 12 cm, BC = 6 cm and AC = 9 cm, then QR is equal to:

- Ans
- ☒ 1. 15 cm
  - ☒ 2. 9 cm
  - ☒ 3. 6 cm
  - ☒ 4. 12 cm

Question ID : 98958015724

Status : **Answered**

Chosen Option : 3

**Q.25** The price of an article increases by 20% every year. If the difference between the prices at the end of third and fourth years is ₹259.20, then 40% of the price (in ₹) at the end of second year is:

- Ans
- ☒ 1. 484
  - ☒ 2. 432
  - ☒ 3. 384
  - ☒ 4. 472

Question ID : 98958015690

Status : **Not Answered**

Chosen Option : --

Section : English Language

**Q.1** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The civic bodies in the capital have formed teams to crack down on coaching centres found violated a law.

- Ans
- ☒ 1. found to violated a law
  - ☒ 2. No improvement
  - ☒ 3. finding to violate the law
  - ☒ 4. found violating the law





Question ID : 98958015889

Status : **Answered**

Chosen Option : 2

Q.2 Select the most appropriate meaning of the given idiom.

Going over one's head

- Ans  1. unable to take a decision  
 2. beyond one's capacity to understand  
 3. unable to function as one used to  
 4. something one didn't expect

Question ID : 98958015904

Status : Answered

Chosen Option : 2

Q.3 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. The subjects taught in the Gurukul varied from Sanskrit to Mathematics.  
B. Indian education has its roots in the ancient ages.  
C. However this system changed when the British came to India.  
D. In those days the Gurukul system was followed.

- Ans  1. DCAB  
 2. BCAD  
 3. CBAD  
 4. BDAC





Question ID : 98958015897

Status : Answered

Chosen Option : 4

Q.4 Select the word which means the same as the group of words given.

An instrument used for measuring atmospheric pressure

- Ans  1. thermometer  
 2. voltmeter  
 3. altimeter  
 4. barometer





Question ID : 98958015905

Status : Answered

Chosen Option : 4

Q.5 Select the most appropriate word to fill in the blank.

In view of his transfer to a far off place, he had to \_\_\_\_\_ his promotion.

- Ans  1. resign  
 2. claim  
 3. assert  
 4. forgo

Question ID : 98958015910

Status : Answered

Chosen Option : 4

Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The Urban Art Commission has suggested that the landscape be developing by adding water fountains around the sculpture.

- Ans
- ☒ 1. be developed with
  - ☒ 2. to be developed by
  - ☒ 3. No improvement
  - ☒ 4. be developed by

Question ID : 98958015890  
Status : Answered  
Chosen Option : 4

Q.7 In the sentence identify the segment which contains the grammatical error.

Mrs. Sangeeta Malik is one of the favourite teacher of most children in our school.

- Ans
- ☒ 1. Mrs. Sangeeta Malik is
  - ☒ 2. of most children
  - ☒ 3. one of the favourite teacher
  - ☒ 4. in our school

Question ID : 98958015885  
Status : Answered  
Chosen Option : 3

Q.8 Select the most appropriate word to fill in the blank.

The prisoner held up his fist in a defiant \_\_\_\_\_ as he was led out of the courtroom.

- Ans
- ☒ 1. wave
  - ☒ 2. gesture
  - ☒ 3. salute
  - ☒ 4. token

Question ID : 98958015909  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.9 Select the correct passive form of the given sentence.

The new gardener looks after the plants well.

- Ans
- ☒ 1. The plants looked after well by the new gardener.
  - ☒ 2. The plants were looked after well by the new gardener.
  - ☒ 3. The plants are looked after well by the new gardener.
  - ☒ 4. The new gardener is looked after well by the plants.

Question ID : 98958015887  
Status : Answered  
Chosen Option : 1

Q.10 In the sentence identify the segment which contains the grammatical error.

I expect to return from Singapore during about a week's time.

- Ans
- ☒ 1. I expect to return
  - ☒ 2. during about
  - ☒ 3. a week's time
  - ☒ 4. from Singapore

Question ID : 98958015886  
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.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) \_\_\_\_\_ hold hands and cross the railway tracks to (2) \_\_\_\_\_ the school. The sisters leave home (3) \_\_\_\_\_ 7 am with school bags larger (4) \_\_\_\_\_ their torsos. The 2 km route they walk on foot to reach school (5) \_\_\_\_\_ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

**SubQuestion No : 11**

**Q.11 Select the most appropriate option for blank No. 1.**

- Ans
- ☒ 1. them
  - ☒ 2. she
  - ☒ 3. they
  - ☒ 4. we

Question ID : 98958015892  
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.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) \_\_\_\_\_ hold hands and cross the railway tracks to (2) \_\_\_\_\_ the school. The sisters leave home (3) \_\_\_\_\_ 7 am with school bags larger (4) \_\_\_\_\_ their torsos. The 2 km route they walk on foot to reach school (5) \_\_\_\_\_ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

**SubQuestion No : 12**

**Q.12 Select the most appropriate option for blank No. 2.**

- Ans
- ☒ 1. reach
  - ☒ 2. arrive
  - ☒ 3. go
  - ☒ 4. come

Question ID : 98958015893  
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.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) \_\_\_\_\_ hold hands and cross the railway tracks to (2) \_\_\_\_\_ the school. The sisters leave

home (3) \_\_\_\_\_ 7 am with school bags larger (4) \_\_\_\_\_ their torsos. The 2 km route they walk on foot to reach school (5) \_\_\_\_\_ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

**SubQuestion No : 13**

**Q.13 Select the most appropriate option for blank No. 3.**

Ans

 1. at

 2. on

 3. from

 4. in

Question ID : **98958015894**

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.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) \_\_\_\_\_ hold hands and cross the railway tracks to (2) \_\_\_\_\_ the school. The sisters leave home (3) \_\_\_\_\_ 7 am with school bags larger (4) \_\_\_\_\_ their torsos. The 2 km route they walk on foot to reach school (5) \_\_\_\_\_ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

**SubQuestion No : 14**

**Q.14 Select the most appropriate option for blank No. 4.**

Ans

 1. than

 2. to

 3. with

 4. from

Question ID : **98958015895**

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.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) \_\_\_\_\_ hold hands and cross the railway tracks to (2) \_\_\_\_\_ the school. The sisters leave home (3) \_\_\_\_\_ 7 am with school bags larger (4) \_\_\_\_\_ their torsos. The 2 km route they walk on foot to reach school (5) \_\_\_\_\_ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

**SubQuestion No : 15**

**Q.15 Select the most appropriate option for blank No. 5.**

Ans

 1. hardly

 2. daily

 3. widely

 4. evenly





Question ID : **98958015896**

Status : **Answered**

Chosen Option : **4**

**Q.16 Select the wrongly spelt word.**







- Ans
-  1. nerve
  -  2. neglect
  -  3. negative
  -  4. nervous

Question ID : 98958015907  
Status : Answered  
Chosen Option : 4

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





THWART

- Ans
-  1. impede
  -  2. aid
  -  3. support
  -  4. face

Question ID : 98958015900  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.18 Select the correct indirect form of the given sentence.

Father said to me, "Are you going to keep me waiting all night?"

- Ans
-  1. Father asked me if you were going to keep him waiting all night.
  -  2. Father told me that you are going to keep him waiting all night.
  -  3. Father asked me are you going to keep me waiting all night.
  -  4. Father asked me if I was going to keep him waiting all night.

Question ID : 98958015888  
Status : Answered  
Chosen Option : 4

Q.19 Select the word which means the same as the group of words given.

The study of human history and prehistory through the excavation of sites



- Ans
-  1. archaeology
  -  2. psephology
  -  3. anthropology
  -  4. geology

Question ID : 98958015906  
Status : Answered  
Chosen Option : 1

Q.20 Select the most appropriate antonym of the given word.

INSTANT

- Ans
-  1. immediate
  -  2. current

-  3. quick  
 4. delayed

Question ID : 98958015901  
Status : Answered  
Chosen Option : 4

Q.21 Select the most appropriate synonym of the given word.

HANDY

- Ans  1. hard  
 2. convenient  
 3. useless  
 4. clumsy

Question ID : 98958015899  
Status : Answered  
Chosen Option : 2

Q.22 Select the wrongly spelt word.

- Ans  1. reproduce  
 2. reverse  
 3. require  
 4. resembl

Question ID : 98958015908  
Status : Answered  
Chosen Option : 4

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




RESERVED

- Ans  1. placid  
 2. communicative  
 3. quiet  
 4. modest

Question ID : 98958015902  
Status : Not Answered  
Chosen Option : --

Q.24 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. At this speed the rocket soon attained the height of 190 miles above the earth.  
B. At 9 am the great rocket lifted in the air with a mighty roar.  
C. It rose smoothly at first, then quickened to a speed of 17,500 miles an hour.  
D. Gagarin now pulled himself towards the window to look down.

- Ans  1. ADBC  
 2. CBAD  
 3. BCAD

 4. BADC

Question ID : **98958015898**  
Status : **Answered**  
Chosen Option : **3**

**Q.25** Select the most appropriate meaning of the given idiom.

**Mad as a hatter**

- Ans**  1. superstitious  
 2. very upset  
 3. eccentric  
 4. old fashioned

Question ID : **98958015903**  
Status : **Answered**  
Chosen Option : **3**