## GOVT. OF NCT OF DELHI
Delhi Subordinate Services Selection Board
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Participant ID	
Participant Name	
Test Center Name	
Test Date	27/09/2021
Test Time	8:30 AM - 10:30 AM
Subject	TGT Natural Science-(Female)

Section : **General Ability**

Q.1 Select the figure that will replace the question mark (?) in the following figure series.
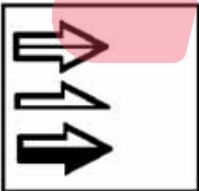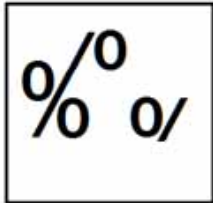

Ans

✗ A.

✗ B.

✗ C.

✔ D.
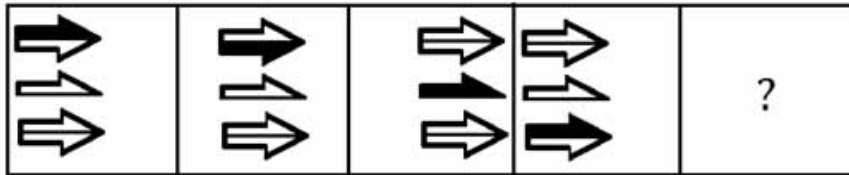
Question ID : **7532291840**

Q.2 In a company, Suresh's position is seventy five from the right end and eleventh from the left end, how many employees are there in that company?

Ans ✗ A. 82

✗ B. 83

✓ C. 85

✗ D. 86

Question ID : **7532291830**

Q.3 From the given alternatives select the one in which the question figure is hidden/embedded.

Ans

✗ A.

✓ B.

✗ C.

✗ D.
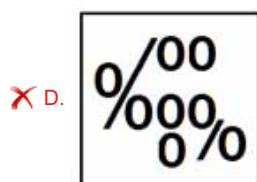
Question ID : **7532291841**

Q.4 In the following question, select the missing number from the given series.
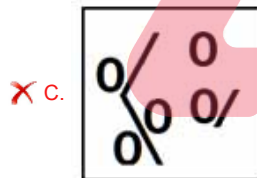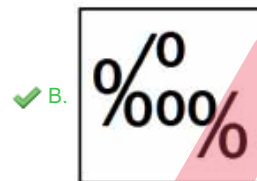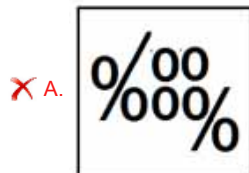
48, 24, 36, 90, ?

Ans ✗ A. 415

✗ B. 115

✓ C. 315

✗ D. 215

Question ID : **7532291837**

Q.5 **Two statements are followed by two conclusions numbered I and II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.**

Statement:
No road is traffic.
Some traffic are licence.

Conclusions:
(I) Some licence are road.
(II) No licence are road.

Ans ✘ A. Only I follow

   ✔ B. Either I or II follows

   ✘ C. Neither I nor II follows

   ✘ D. Only II follows

Question ID : 7532291832

Q.6 **Find the missing term in the following letter-cluster series given below:**

R9AP, Z17IX, H25QF, ? , X41GV

Ans ✔ A. P33YN

   ✘ B. Q33YM

   ✘ C. P32VN

   ✘ D. R32YN

Question ID : 7532291826

Q.7 **In the question below, a statement is followed by two conclusions. Study the conclusions and select the correct option as the answer.**
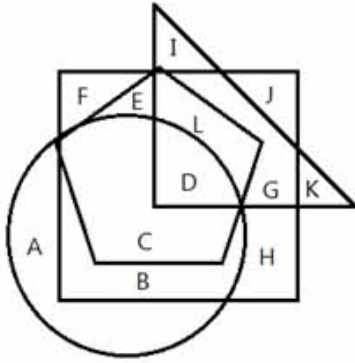
Statement:
Q > R > S ≥ P

Conclusions:
I. S > P
II. S = P

Ans ✘ A. Both I and II follow

   ✘ B. Only II follows

   ✔ C. Either I or II follows

   ✘ D. Neither I nor II follows

Question ID : 7532291836

Q.8 In the following figure, triangle represents ladies, circle represents traditional outfit, pentagon represents western outfit and square represents sarees.

What does letter 'L' represents?

Ans ✔ A. Ladies who prefer western outfit and sarees but not traditional outfit.

✗ B. Ladies who prefer western outfit, sarees and traditional outfit

✗ C. Ladies who prefer western outfit and traditional outfit but not sarees

✗ D. Ladies who prefer traditional outfit and sarees but not western outfit.

Question ID : 7532291838

Q.9 Find the number of rectangle in the given figure.

Ans ✗ A. 11

✗ B. 6

✔ C. 10

✗ D. 9
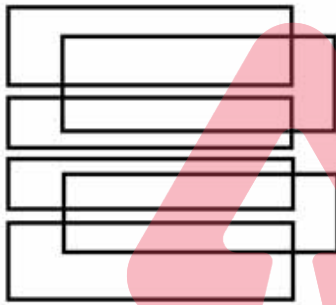
Question ID : 7532291843

Q.10 Three statements are followed by two conclusions numbered I and II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statement:
No lake are river.
All river are valleys.
Some valley are hills.

Conclusions:
(I) Some hills are rivers
(II) Some rivers are valleys.

Ans ✗ A. Both I and II follow

✗ B. Only I follow

✔ C. Only II follows

✗ D. Neither I nor II follows

Question ID : 7532291833

Q.11 From the given alternatives select the one that will complete the question figure.

Ans

✗ A.

✔ B.

✗ C.

✗ D.
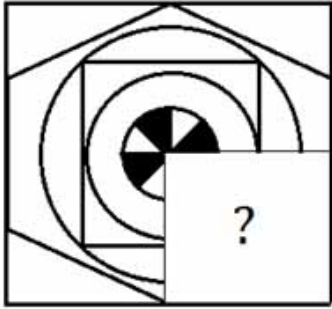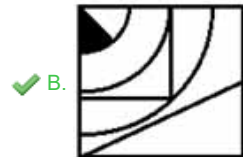
Question ID : **7532291844**

Q.12 Find the wrong term in the letter-cluster series given below:

TLCN, DVMX, NFWH, XRGR, HZQB

Ans ✗ A. NFWH

✗ B. DVMX

✗ C. HZQB

✔ D. XRGR

Question ID : **7532291825**

Q.13 From the given alternatives select the one which is the mirror image of given Question
Figure .

Ans

✗ A.

✗ B.

✔ C.

✗ D.
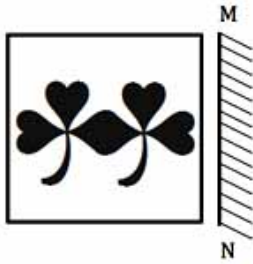
Question ID : **7532291842**

Q.14 If in a certain language, TRIANGLE is coded as "34821659". How is 'REALIGN' coded
in that code?

Ans   ✗ A. 9425861

✗ B. 2946851

✗ C. 4925816

✔ D. 4925861

Question ID : **7532291829**

Q.15 **Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.**

Statement:
Some radio are moon.
Some moon are sun.
Some sun are ocean

Conclusions:
(I) Some moon are ocean.
(II) No moon are ocean.
(III) Some radio are sun.

Ans   ✗ A. Only I and II follows

   ✗ B. None follows

   ✗ C. Only I follow

   ✔ D. Either I or II follows

Question ID : **7532291834**

Q.16 **In the following figure, triangle represents social gatherings, circle represents weekend parties, pentagon represents college reunion, rectangle represents marriage parties and square represents youngsters.**

What does letter 'G' represents?
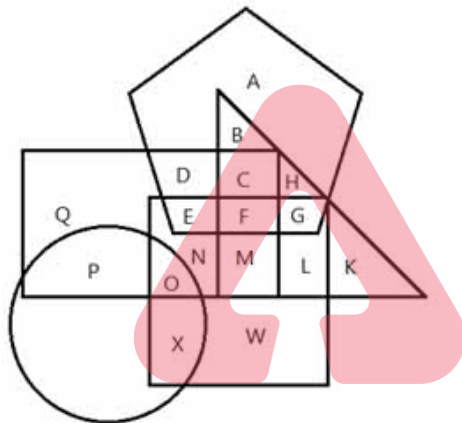
Ans   ✗ A. Youngsters who like social gatherings, college reunion and marriage parties but not weekend parties

   ✗ B. Youngsters who like social gatherings, college reunion, marriage parties and weekend parties

   ✗ C. Youngsters who don't like social gatherings, college reunion, but marriage parties and weekend parties

   ✔ D. Youngsters who like social gatherings and college reunion but not weekend and marriage parties

Question ID : **7532291839**

Q.17 **Select the set of numbers that is similar to the following set of numbers.**

(6, 36, 63)

Ans   ✔ A. 8, 64, 46

   ✗ B. 11, 111, 84

   ✗ C. 7, 49, 98

   ✗ D. 9, 84, 45

Question ID : **7532291835**

Q.18 Six persons Rahul, Pankaj, Praveen, Puneet, Rajat and Pawan are sitting in a row of office at different positions, and each got different salary i.e. - 20000, 10000, 8000, 50000, 45000and30000, but not necessarily in the same order. Rajat got 45000 salary. Praveen has neither got 8000 nor 30000 salary. The one who gets salary 8000 does not sit at the extreme end of the row. Rajat is sitting between Puneet and Pankaj. Praveen is second to the left of Puneet. Rahul is sitting at the left end of the row and got 50000 salary. Pawan sits near Praveen and gets 10000 salary.

How much salary did Pankaj get?

Ans   ✗ A. 20000

   ✗ B. 8000

   ✗ C. 20000 or 30000

   ✓ D. 30000

Question ID : **7532291831**

Q.19 In the following question, select the related word from the given alternatives.

BACK : DBFV : : HEAL : ?

Ans   ✗ A. PBXJ

   ✗ B. JGCN

   ✗ C. KXJB

   ✓ D. PJBX

Question ID : **7532291827**

Q.20 In the following question, select the related word pair from the given alternatives.

Iraq: Baghdad : : ? : ?

Ans   ✓ A. Syria : Damascus

   ✗ B. Afghanistan : Islamabad

   ✗ C. United Arab Emirates : Riyadh

   ✗ D. Saudi Arabia : Abu Dhabi

Question ID : **7532291828**

Section : **General Awareness**

Q.1 Name the Padma Shri awardee Dogri writer and poet who passed away recently.

Ans   ✗ A. Sridhar vembu

   ✗ B. Birubala rabha

   ✗ C. Rangaswamy kashyap

   ✓ D. Padma Sachdev

Question ID : **7532291863**

Q.2 Which of the given options is not included in the state's list?

Ans   ✓ A. National Defence

   ✗ B. Law and Order

   ✗ C. Education

   ✗ D. Agriculture

Question ID : **7532291855**

Q.3 Who is the present Union Minister for Science & Technology?

Ans ✗ A. Piyush goyal

✓ B. Jitendra Singh

✗ C. Jyotiraditya scindia

✗ D. Smriti Irani

Question ID : **7532291864**

Q.4 Which of the following festival is also known as Gokulashtami?

Ans ✓ A. Janmashtami

✗ B. Ramnavami

✗ C. Rakshabandhan

✗ D. Guru Nanak Jayanti

Question ID : **7532291847**

Q.5 Which one of the following fossil fuels is considered environment friendly?

Ans ✗ A. Petroleum

✗ B. Coal

✗ C. Kerosene

✓ D. Natural Gas

Question ID : **7532291858**

Q.6 Dr. Annie Besant and Lokmanya Tilak set up the _____ in the country modeled on the Irish movement to spread awareness.

Ans ✗ A. Gadar Party

✗ B. Indian National Congress

✗ C. Satyagraha

✓ D. Home Rule league

Question ID : **7532291861**

Q.7 Who was The first Women External Affair Minister of India?

Ans ✗ A. Mrs Pratibha Patil

✗ B. Mrs Sonia Gandhi

✗ C. Mrs Jayalalitha

✓ D. Mrs Indira Gandhi

Question ID : **7532291851**

Q.8 The mode of nutrition found in mushrooms is _____.

Ans ✗ A. Holozoic

✓ B. Saprophytic

✗ C. Symbiotic

✗ D. Parasitic

Question ID : **7532291857**

Q.9 **The finest quality of iron ore is _____.**

Ans   ✗ A. Siderite

           ✗ B. Hematite

           ✗ C. Limonite

           ✓ D. Magnetite

Question ID : **7532291859**

Q.10 **Which is the oldest political party of India?**

Ans   ✗ A. All India Anna Dravida Munnetra Kazhagam

           ✓ B. Indian National Congress

           ✗ C. Communist Party

           ✗ D. Bharatiya Janta Party

Question ID : **7532291856**

Q.11 **Which of the following awards did not get Mahendra Singh Dhoni?**

Ans   ✗ A. Rajiv Gandhi Khel Ratna

           ✗ B. Padma Bhushan

           ✓ C. Padma ViBhushan

           ✗ D. Padma Shri

Question ID : **7532291850**

Q.12 **Which of the following monuments are not in the state of Gujarat?**

Ans   ✗ A. Palitana

           ✓ B. Sunehri Mahal

           ✗ C. Lakhpat

           ✗ D. Somnath temple

Question ID : **7532291846**

Q.13 **The _____ is a collection of 1,028 hymns divided into 10 mandalas.**

Ans   ✗ A. Yajurveda

           ✗ B. Atharvaveda

           ✓ C. Rigveda

           ✗ D. Samaveda

Question ID : **7532291860**

Q.14 **Tsang Yin-hung, recorded "world's fastest ascent of Everest by a woman" in just _____ hours.**

Ans   ✗ A. 18 hours

           ✗ B. 14 hours

           ✗ C. 22 hours

           ✓ D. 26 hours

Question ID : **7532291852**

Q.15 The Axis powers of the second world war were Germany ,Italy and _____.

Ans ✗ A. France

✗ B. Poland

✗ C. Austria

✓ D. Japan

Question ID : **7532291862**

Q.16 Ramman is a religious festival of which state?

Ans ✗ A. Bihar

✗ B. Jharkhand

✓ C. Uttarakhand

✗ D. Uttar Pradesh

Question ID : **7532291845**

Q.17 Who was the first Indian to be awarded the 'Rajiv Gandhi Khel Ratna' award?

Ans ✗ A. Vinesh Phogat

✓ B. Vishwanathan Anand

✗ C. Manika Batra

✗ D. Abhinav Bindra

Question ID : **7532291849**

Q.18 The term 'Googly' is used in which sport?

Ans ✗ A. Hockey

✓ B. Cricket

✗ C. Football

✗ D. Baseball

Question ID : **7532291848**

Q.19 What was the period of the 11th five-year plan of India?

Ans ✗ A. 2017 to 2022

✗ B. 2002 to 2007

✗ C. 2012 to 2017

✓ D. 2007 to 2012

Question ID : **7532291853**

Q.20 _____ is the security which lenders demand against loan.

Ans ✓ A. Collateral

✗ B. Cheque

✗ C. Letter

✗ D. Draft

Question ID : **7532291854**

Section : **Arithmetic Ability**

Q.1 If the diameter of the base of a right circular cylinder is reduced by $33\frac{1}{3}$ percent and its height is doubled, then the volume of the cylinder will?

Ans   ✗ A. Remain unchanged

✓ B. Decrease by $11\frac{1}{9}$ percent

✗ C. Increase by $11\frac{1}{9}$ percent

✗ D. Increase by $1\frac{1}{9}$ percent

Question ID : **7532291881**

Q.2 A person spends 35 percent of his total salary in Food, 30 percent he invests in a scheme and remaining amount he saves. If his savings is Rs.4340, then how much amount he invests?

Ans   ✗ A. Rs.4320

✗ B. Rs.2840

✓ C. Rs.3720

✗ D. Rs.2680

Question ID : **7532291871**

Q.3 The difference between compound interest (annually) and simple interest on a certain sum at 10 percent per annum for 2 years is Rs.42. What is the sum?

Ans   ✗ A. Rs.8400

✗ B. Rs.5200

✗ C. Rs.2100

✓ D. Rs.4200
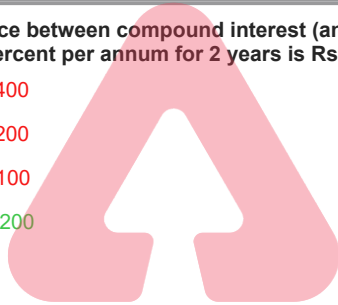
Question ID : **7532291876**

Q.4 The following bar graph shows the total number of news paper readers (in thousands) in a city during 6 months and percentage of Hindi news paper readers.
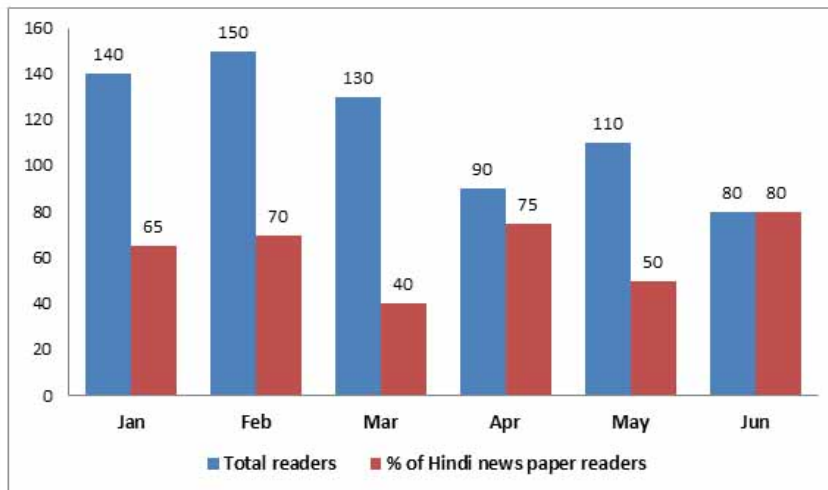
Note : Total readers = Hindi news paper readers + English news paper readers

What is the difference between Hindi news paper readers during January, February and March together and English news paper readers during April, May and June together?

Ans ✗ A. 138700

✗ B. 175600

✗ C. 164200

✔ D. 154500

Question ID : **7532291884**

Q.5 Mr. Ganguly purchased 50000 mangoes at 8 each. He found that 20 percent of those were spoilt and hence were found unfit to be sold. At what price should he sell each of the remaining mangoes so as to get an overall profit of 30 percent?

Ans ✔ A. 13

✗ B. 12

✗ C. 15

✗ D. 10

Question ID : **7532291873**

Q.6 A person covers a certain distance in 90 steps. If he increases the length of each step by 20 percent, then find the percentage decreased in the number of steps to cover the same distance.

Ans ✔ A. 75

✗ B. 65

✗ C. 60

✗ D. 80

Question ID : **7532291870**

Q.7 If $a = 225$, $b = 226$ and $c = 227$, then the value of $a^3 + b^3 + c^3 - 3abc$ is :

Ans ✗ A. 2394

✗ B. 2934

✗ C. 1956

✓ D. 2034

Question ID : **7532291865**

Q.8 A person wants to make an open silver case for a mobile such that the mobile exactly fits in the case. If the length, breadth, and thickness of the mobile are 10 cm, 4 cm, and 0.5 cm respectively and the rate of the silver sheet used is Rs.50 per cm^2, then what can be the cost of the silver case?

Ans ✗ A. Rs.3000

✗ B. Rs.2500

✓ C. Rs.2700

✗ D. Rs.3200

Question ID : **7532291882**

Q.9 Three pipes can fill a tank of 900 liters in 1hour. The rate of the first pipe is 3 liters per minute and the ratio of the rate of the second pipe to the third pipe is 3 : 1. What is the time to fill an empty tank of 1500 liters when the first pipe and second pipe, work together?

Ans ✗ A. 150 min

✓ B. 125 min

✗ C. 80 min

✗ D. 90 min

Question ID : **7532291879**

Q.10 What is the greatest number that will divide 209 and 347 leaving remainder 5 and 7 respectively?

Ans ✗ A. 23

✓ B. 17

✗ C. 16

✗ D. 19

Question ID : **7532291868**

Q.11 By selling an article, a shopkeeper incurs a loss of 16 percent but if he increases the selling price by Rs.140, there would be a profit of 24 percent. Calculate the cost price of the article.

Ans ✓ A. Rs.350

✗ B. Rs.440

✗ C. Rs.280

✗ D. Rs.610

Question ID : **7532291872**

Q.12 The given table shows the rate of compound interest given by six banks on fixed deposits.

Bank	Rs.10000 to Rs.99999	Rs.100000 to Rs.499999	Rs.500000 to Rs.999999	Rs.1000000 or more
A	5%	5.5%	6%	6.5%
B	5.2%	6%	6.3%	7%
C	4%	4.2%	5%	5.8%
D	6%	7%	8%	9%
E	6%	6.5%	7%	8%
F	5%	6%	6.5%	7%

If a person deposits Rs.600000 in fixed deposits for 2 years in bank C and Rs.200000 in fixed deposits for 2 years in bank F, then what is the total interest earned by him from both banks?

Ans   ✘ A. Rs.90210

   ✘ B. Rs.80440

   ✔ C. Rs.86220

   ✘ D. Rs.84280

Question ID : 7532291883

Q.13 If 10 persons can do a job in 20 days. Then 20 persons with the twice efficiency can do the same job in:

Ans   ✘ A. 10 days

   ✘ B. 12 days

   ✔ C. 5 days

   ✘ D. 15 days

Question ID : 7532291880

Q.14 What value will come in place of question mark (?) in the following question?

$$702 \times 18 \div 81 - \sqrt{441} = ? \text{ percent of } 45$$

Ans   ✘ A. 400

   ✘ B. 150

   ✘ C. 200

   ✔ D. 300

Question ID : 7532291866

Q.15 What value will come in place of question mark (?) in the following question?

$$\frac{11 \times 11 \times 11 + 5 \times 5 \times 5}{(11)^2 + (5)^2 - 11 \times 5} = ?$$

Ans   ✘ A. 12

   ✘ B. 15

   ✘ C. 13

   ✔ D. 16

Question ID : 7532291867

Q.16 A boat goes 48 km upstream and 56 km downstream in 12 hours. It goes 60 km upstream and 42 km downstream in 13 hours. Find the speed of boat in still water (in kmph)?

Ans   ✔ A. 10

      ✘ B. 14

      ✘ C. 20

      ✘ D. 24

Question ID : **7532291877**

Q.17 In a survey among some people, it is found that their average protein diet is 60 mg per day. After a suggestion, 30 percent of them doubled their protein diet while the rest tripled their protein diet. The new average of their protein diet is 155 mg/day. What is the earlier average protein diet of 30 percent of them?

Ans   ✘ A. 48 mg/day

      ✔ B. 50 mg/day

      ✘ C. 54 mg/day

      ✘ D. 45 mg/day

Question ID : **7532291869**

Q.18 A beats B by 125 m in a kilometer race. Find B's speed if A's speed is 16 m/sec.

Ans   ✘ A. 21 m/sec

      ✘ B. 18 m/sec

      ✘ C. 7 m/sec

      ✔ D. 14 m/sec

Question ID : **7532291878**

Q.19 Ratio of milk and water in a mixture is 5 : 4 and 45 litres of mixture are taken out and 15 litres water is added. Now, quantity of milk in the mixture becomes 4 litres more than that of water, then what is the initial quantity of mixture?

Ans   ✔ A. 216 litres

      ✘ B. 213 litres

      ✘ C. 190 litres

      ✘ D. 172 litres

Question ID : **7532291875**

Q.20 In a colony, the ratio of two-wheelers to four-wheelers is 11 : 9. Among the four-wheelers, one-fourth are petrol and the remaining 81 are diesel. How many two-wheelers are there in the colony?

Ans   ✔ A. 132

      ✘ B. 88

      ✘ C. 99

      ✘ D. 121

Question ID : **7532291874**

Section : **General English**

Q.1 One part of the sentence below may contain an error. Identify the part. If there is no error, choose 'No error'.

The Delhi Government and the students has contended that the single judge's decision was based on incorrect facts.

Ans ✗ A. contended that the single judge's decision

✓ B. The Delhi Government and the students has

✗ C. No error

✗ D. was based on incorrect facts

Question ID : **7532291885**

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute the underlined segment, select 'No improvement'.

The sun rises <u>two hours earliest</u> in Arunachal Pradesh as compared to Gujarat.

Ans ✓ A. two hours earlier

✗ B. No improvement

✗ C. two hours early

✗ D. two hours' early

Question ID : **7532291887**

Q.3 In the following question, there are six sentences marked S1, S6, P, Q, R, and S. The positions of S1 and S6 are fixed. You are required to choose one of the four alternatives which would be the most logical sequence of the sentence in the passage.

S1. Jeff is an excellent dancer
P. who always tries new dance steps
Q. while the rest of the class struggles
R. that are demonstrated
S. and masters them quickly
S6. to move their bodies on the tunes.

Ans ✗ A. RPQS

✓ B. PRSQ

✗ C. QRPS

✗ D. SQPR

Question ID : **7532291892**

Q.4 Select the most appropriate antonym for the given word.

Grumble

Ans ✓ A. Compliment

✗ B. Dangle

✗ C. Calamity

✗ D. Complain

Question ID : **7532291894**

Q.5 **One part of the sentence below may contain an error. Identify the part. If there is no error, choose 'No error'.**

A quick analysis suggests that the sources that contribute to poor urban air quality are constant.

Ans ✗ A. Urban air-quality are constant

✗ B. A quick analysis suggests that

✗ C. The sources that contribute to poor

✓ D. No error

Question ID : 7532291886

Q.6 **Select the word which means the same as the following group of the words.**

Open refusal to obey orders.

Ans ✗ A. Obedience

✓ B. Defiance

✗ C. Compliance

✗ D. Adherence

Question ID : 7532291899

Q.7 **Select the most appropriate option to fill in the blank.**

Emperors need more resources _____ kings because empires are larger than kingdoms.

Ans ✗ A. as

✗ B. of

✗ C. for

✓ D. than

Question ID : 7532291889

Q.8 **Select the INCORRECTLY spelt word.**

Ans ✗ A. Pamphlet

✗ B. Pageant

✓ C. Potraite

✗ D. Persevere

Question ID : 7532291895

Q.9 **Select the most appropriate option to substitute the bracketed part in the given sentence. If there is no need to substitute the bracketed part, select 'No improvement'.**

I gave the countryman (what few money I had) in my pocket, for the timely assistance he had afforded me.

Ans ✓ A. No Improvement.

✗ B. what less money I had

✗ C. the few money I had

✗ D. what little money I had

Question ID : 7532291888

Q.10 **Select the CORRECTLY spelt word.**

Ans   ✗ A. Administrater

         ✔ B. Administrator

         ✗ C. Administratur

         ✗ D. Aministretor

Question ID : **7532291896**

Q.11 **In the following question, out of the four given options, select the one which best expresses the meaning of the idiom/phrase.**

Once in a blue moon.

Ans   ✗ A. Incessantly

         ✗ B. Occasionally

         ✔ C. Very rarely

         ✗ D. Frequently

Question ID : **7532291897**

Q.12 **Baroque temple _____ by the Scottish architect**

Ans   ✗ A. rewarded

         ✗ B. crowded

         ✗ C. conducted

         ✔ D. designed

Question ID : **7532291891**

Q.13 **Select the most appropriate option to fill in the blanks.**

The higher faculty is a _____ insight or intuition that _____ us experience the ocean of Consciousness.

Ans   ✗ A. deep, help

         ✗ B. deeply, helps

         ✔ C. deep, helps

         ✗ D. deeply, helping

Question ID : **7532291890**

Q.14 **In the following question, out of the four given options, select the one which best expresses the meaning of the idiom/phrase.**

An eye opener

Ans   ✗ A. A small opening

         ✔ B. A shocking revelation

         ✗ C. A difficult task

         ✗ D. A tough decision

Question ID : **7532291898**

Q.15 Select the most appropriate synonym for the given word.

Grim

Ans
- ✗ A. Peevish
- ✗ B. Bluff
- ✓ C. Gloomy
- ✗ D. Cheerful

Question ID : 7532291893

Comprehension:

Read the following passage and answer the questions below.

Arthur Christopher Orme Plummer was a Canadian actor. His career spanned seven decades, gaining recognition for his performances in film, television and theatre. He made his Broadway debut in 1954 and continued to act in leading roles on stage playing Cyrano de Bergerac in Cyrano (1974), Iago in Othello, as well as playing the titular roles in Hamlet at Elsinore (1964), Macbeth, King Lear, and Barrymore. Plummer performed in stage productions, including J.B., No Man's Land and Inherit the Wind. Plummer was born in Toronto, Ontario, and grew up in Senneville, Quebec.

After appearing on stage, he made his film debut in Stage Struck (1958), landed his first starring role that same year in Wind Across the Everglades and won great acclaim for his performance as Captain Georg von Trapp in the musical film The Sound of Music (1965) alongside Julie Andrews. Plummer played numerous major historical figures, including Commodus in The Fall of the Roman Empire (1964), Arthur Wellesley, 1st Duke of Wellington in Waterloo (1970), Rudyard Kipling in The Man Who Would Be King (1975), Mike Wallace in The Insider (1999), Leo Tolstoy in The Last Station (2009), Inside Man (2006), Kaiser Wilhelm II in The Exception (2016), and J. Paul Getty in All the Money in the World (2017). Other films including Malcolm X (1992), A Beautiful Mind (2001), The New World (2005), The Girl with the Dragon Tattoo (2011), and Knives Out (2019).

Plummer received various awards for his work, including an Academy Award, two Primetime Emmy Awards, two Tony Awards, a Golden Globe Award, a Screen Actors Guild Award, and a British Academy Film Award. He is one of the few performers to have received the Triple Crown of Acting, and the only Canadian. He won the Academy Award for Best Supporting Actor at the age of 82 for Beginners (2010), becoming the oldest person to win an acting award (a distinction he held until being supplanted by 83-year-old Anthony Hopkins in 2021), and he received a nomination at the age of 88 for All the Money in the World, making him the oldest person to be nominated in an acting category.

SubQuestion No : 16

Q.16 Which of the following statements is incorrect according to the given passage?

Ans
- ✗ A. Plummer won the Academy Award for Best Supporting Actor at the age of 82.
- ✗ B. Plummer won a Screen Actors Guild Award.
- ✓ C. Plummer never won the Triple Crown of Acting.
- ✗ D. Plummer won a Golden Globe Award.

Question ID : 7532291901

Comprehension:

Read the following passage and answer the questions below.

Arthur Christopher Orme Plummer was a Canadian actor. His career spanned seven decades, gaining recognition for his performances in film, television and theatre. He made his Broadway debut in 1954 and continued to act in leading roles on stage playing Cyrano de Bergerac in Cyrano (1974), Iago in Othello, as well as playing the titular roles in Hamlet at Elsinore (1964), Macbeth, King Lear, and Barrymore. Plummer performed in stage productions, including J.B., No Man's Land and Inherit the Wind. Plummer was born in Toronto, Ontario, and grew up in Senneville, Quebec.

After appearing on stage, he made his film debut in Stage Struck (1958), landed his first starring role that same year in Wind Across the Everglades and won great acclaim for his performance as Captain Georg von Trapp in the musical film The Sound of Music (1965) alongside Julie Andrews. Plummer played numerous major historical figures, including Commodus in The Fall of the Roman Empire (1964), Arthur Wellesley, 1st Duke of Wellington in Waterloo (1970), Rudyard Kipling in The Man Who Would Be King (1975), Mike Wallace in The Insider (1999), Leo Tolstoy in The Last Station (2009), Inside Man (2006), Kaiser Wilhelm II in The Exception (2016), and J. Paul Getty in All the Money in the World (2017). Other films including Malcolm X (1992), A Beautiful Mind (2001), The New World (2005), The Girl with the Dragon Tattoo (2011), and Knives Out (2019).

Plummer received various awards for his work, including an Academy Award, two Primetime Emmy Awards, two Tony Awards, a Golden Globe Award, a Screen Actors Guild Award, and a British Academy Film Award. He is one of the few performers to have received the Triple Crown of Acting, and the only Canadian. He won the Academy Award for Best Supporting Actor at the age of 82 for Beginners (2010), becoming the oldest person to win an acting award (a distinction he held until being supplanted by 83-year-old Anthony Hopkins in 2021), and he received a nomination at the age of 88 for All the Money in the World, making him the oldest person to be nominated in an acting category.

SubQuestion No : 17

Q.17 Arthur Christopher Orme Plummer was a person whose career spanned -

Ans   ✗ A. Four decades.

✗ B. Five decades.

✓ C. Seven decades.

✗ D. Six decades.

Question ID : **7532291905**

Comprehension:

Read the following passage and answer the questions below.

Arthur Christopher Orme Plummer was a Canadian actor. His career spanned seven decades, gaining recognition for his performances in film, television and theatre. He made his Broadway debut in 1954 and continued to act in leading roles on stage playing Cyrano de Bergerac in Cyrano (1974), Iago in Othello, as well as playing the titular roles in Hamlet at Elsinore (1964), Macbeth, King Lear, and Barrymore. Plummer performed in stage productions, including J.B., No Man's Land and Inherit the Wind. Plummer was born in Toronto, Ontario, and grew up in Senneville, Quebec.
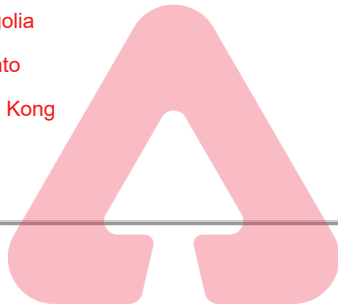
After appearing on stage, he made his film debut in Stage Struck (1958), landed his first starring role that same year in Wind Across the Everglades and won great acclaim for his performance as Captain Georg von Trapp in the musical film The Sound of Music (1965) alongside Julie Andrews. Plummer played numerous major historical figures, including Commodus in The Fall of the Roman Empire (1964), Arthur Wellesley, 1st Duke of Wellington in Waterloo (1970), Rudyard Kipling in The Man Who Would Be King (1975), Mike Wallace in The Insider (1999), Leo Tolstoy in The Last Station (2009), Inside Man (2006), Kaiser Wilhelm II in The Exception (2016), and J. Paul Getty in All the Money in the World (2017). Other films including Malcolm X (1992), A Beautiful Mind (2001), The New World (2005), The Girl with the Dragon Tattoo (2011), and Knives Out (2019).

Plummer received various awards for his work, including an Academy Award, two Primetime Emmy Awards, two Tony Awards, a Golden Globe Award, a Screen Actors Guild Award, and a British Academy Film Award. He is one of the few performers to have received the Triple Crown of Acting, and the only Canadian. He won the Academy Award for Best Supporting Actor at the age of 82 for Beginners (2010), becoming the oldest person to win an acting award (a distinction he held until being supplanted by 83-year-old Anthony Hopkins in 2021), and he received a nomination at the age of 88 for All the Money in the World, making him the oldest person to be nominated in an acting category.

SubQuestion No : 18

Q.18 Arthur Plummer was born in Canada but he grew up in -

Ans   ✔️ A. Quebec

    ✖ B. Mongolia

    ✖ C. Toronto

    ✖ D. Hong Kong

Question ID : **7532291903**

Comprehension:

Read the following passage and answer the questions below.

Arthur Christopher Orme Plummer was a Canadian actor. His career spanned seven decades, gaining recognition for his performances in film, television and theatre. He made his Broadway debut in 1954 and continued to act in leading roles on stage playing Cyrano de Bergerac in Cyrano (1974), Iago in Othello, as well as playing the titular roles in Hamlet at Elsinore (1964), Macbeth, King Lear, and Barrymore. Plummer performed in stage productions, including J.B., No Man's Land and Inherit the Wind. Plummer was born in Toronto, Ontario, and grew up in Senneville, Quebec.

After appearing on stage, he made his film debut in Stage Struck (1958), landed his first starring role that same year in Wind Across the Everglades and won great acclaim for his performance as Captain Georg von Trapp in the musical film The Sound of Music (1965) alongside Julie Andrews. Plummer played numerous major historical figures, including Commodus in The Fall of the Roman Empire (1964), Arthur Wellesley, 1st Duke of Wellington in Waterloo (1970), Rudyard Kipling in The Man Who Would Be King (1975), Mike Wallace in The Insider (1999), Leo Tolstoy in The Last Station (2009), Inside Man (2006), Kaiser Wilhelm II in The Exception (2016), and J. Paul Getty in All the Money in the World (2017). Other films including Malcolm X (1992), A Beautiful Mind (2001), The New World (2005), The Girl with the Dragon Tattoo (2011), and Knives Out (2019).

Plummer received various awards for his work, including an Academy Award, two Primetime Emmy Awards, two Tony Awards, a Golden Globe Award, a Screen Actors Guild Award, and a British Academy Film Award. He is one of the few performers to have received the Triple Crown of Acting, and the only Canadian. He won the Academy Award for Best Supporting Actor at the age of 82 for Beginners (2010), becoming the oldest person to win an acting award (a distinction he held until being supplanted by 83-year-old Anthony Hopkins in 2021), and he received a nomination at the age of 88 for All the Money in the World, making him the oldest person to be nominated in an acting category.

SubQuestion No : 19

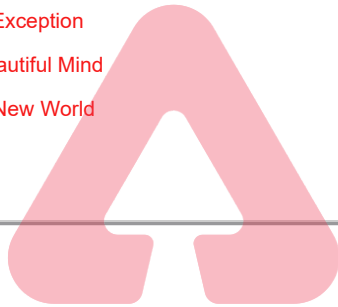**Q.19 According to the given passage, the character Arthur Wellesley belongs to?**

Ans   ✅ A. Waterloo

         ❌ B. The Exception

         ❌ C. A Beautiful Mind

         ❌ D. The New World

Question ID : **7532291902**

Comprehension:

Read the following passage and answer the questions below.

Arthur Christopher Orme Plummer was a Canadian actor. His career spanned seven decades, gaining recognition for his performances in film, television and theatre. He made his Broadway debut in 1954 and continued to act in leading roles on stage playing Cyrano de Bergerac in Cyrano (1974), Iago in Othello, as well as playing the titular roles in Hamlet at Elsinore (1964), Macbeth, King Lear, and Barrymore. Plummer performed in stage productions, including J.B., No Man's Land and Inherit the Wind. Plummer was born in Toronto, Ontario, and grew up in Senneville, Quebec.

After appearing on stage, he made his film debut in Stage Struck (1958), landed his first starring role that same year in Wind Across the Everglades and won great acclaim for his performance as Captain Georg von Trapp in the musical film The Sound of Music (1965) alongside Julie Andrews. Plummer played numerous major historical figures, including Commodus in The Fall of the Roman Empire (1964), Arthur Wellesley, 1st Duke of Wellington in Waterloo (1970), Rudyard Kipling in The Man Who Would Be King (1975), Mike Wallace in The Insider (1999), Leo Tolstoy in The Last Station (2009), Inside Man (2006), Kaiser Wilhelm II in The Exception (2016), and J. Paul Getty in All the Money in the World (2017). Other films including Malcolm X (1992), A Beautiful Mind (2001), The New World (2005), The Girl with the Dragon Tattoo (2011), and Knives Out (2019).

Plummer received various awards for his work, including an Academy Award, two Primetime Emmy Awards, two Tony Awards, a Golden Globe Award, a Screen Actors Guild Award, and a British Academy Film Award. He is one of the few performers to have received the Triple Crown of Acting, and the only Canadian. He won the Academy Award for Best Supporting Actor at the age of 82 for Beginners (2010), becoming the oldest person to win an acting award (a distinction he held until being supplanted by 83-year-old Anthony Hopkins in 2021), and he received a nomination at the age of 88 for All the Money in the World, making him the oldest person to be nominated in an acting category.

SubQuestion No : 20

Q.20 **Mr. Arthur Plummer played many historical characters. In which movie he played the role of Commodus?**

Ans   ✔ A. The Fall of the Roman Empire.

         ✘ B. The Man Who Would Be King.

         ✘ C. All the Money in the World.

         ✘ D. The Insider.

Question ID : **7532291904**

Section : **General Hindi**

Q.1 **निम्नलिखित विकल्पों में से कौ-सा वाक्य भाववाच्य का सही उदाहरण है?**

Ans   ✘ A. वे यह दृश्य देख नहीं सकते।

         ✘ B. रेखा कहानी सुनाती है।

         ✔ C. माँ से बैठा नहीं जाता।

         ✘ D. संगीता देख नहीं सकती।

Question ID : **7532291917**

Q.2 **निम्नलिखित में से सरल वाक्य का चयन कीजिए-**

Ans   ✘ A. राजकुमार ने भाई को मार डाला और स्वयं राजा बन गया।

         ✔ B. उसने गलत कार्य करके अपयश कमाया।

         ✘ C. आप बताएँ कि आपकी समस्या क्या है?

         ✘ D. जो व्यक्ति बुद्धिमान है वह किसी से झगड़ा नहीं करता है।

Question ID : **7532291916**

Q.3 निम्नलिखित में से शब्द-युग्म के सही अर्थ-भेद का चयन कीजिए-

वात - बात

Ans ✗ A. काटना - दाँत

✗ B. दस - कांच

✗ C. दस - सौ

✓ D. वायु - बातचीत

Question ID : 7532291911

Q.4 निम्नलिखित में से कौन-सा शब्द द्रव्यवाचक संज्ञा शब्द का उदाहरण है?

Ans ✗ A. सेना

✗ B. कुंज

✓ C. लोहा

✗ D. घबराहट

Question ID : 7532291909

Q.5 निम्नलिखित में से किस वाक्य में योजक चिन्ह का प्रयोग नहीं किया गया है?

Ans ✗ A. कम-से-कम, ज्यादा-से-ज्यादा।

✗ B. हम सभी को माता-पिता की सेवा अवश्य करनी चाहिए।

✗ C. आकाश में काले - काले बादल छा गए; बिजली चमकने लगी; बादल गरजने लगे और वर्षा की बूंदे टप - टप धरती पर गिरने लगीं।

✓ D. "रघुकुल रीति सदा चली आई। प्राण जाय पर वचन न जाई॥"

Question ID : 7532291920

Q.6 निम्नलिखित में से स्त्रीलिंग शब्द का चयन कीजिए-

Ans ✗ A. गौरव

✓ B. सुन्दरता

✗ C. विद्वान

✗ D. आम

Question ID : 7532291915

Q.7 निम्नलिखित में से तद्भव शब्द का चयन कीजिए-

Ans ✗ A. चतुष्क

✗ B. चणक

✓ C. चैत

✗ D. चौरिका

Question ID : 7532291907

Q.8 निम्नलिखित में से "रूदन" का विलोम शब्द कौन-सा है?

Ans ✗ A. विश्वास

✗ B. संध्या

✗ C. कला

✓ D. हास्य

Question ID : 7532291912

Q.9 निम्नलिखित में से "गिरहकट" में कौन-सा समास है?

Ans   ✗ A. द्वंद्व समास

       ✗ B. द्विगु समास

       ✓ C. तत्पुरुष समास

       ✗ D. कर्मधारय समास

Question ID : 7532291906

Q.10 निम्नलिखित में से कौन-सा शब्द प्रत्यय का प्रयोग कर बनाया गया है?

Ans   ✗ A. विदेश

       ✗ B. अधकचरा

       ✗ C. पराकाष्ठा

       ✓ D. राजपूतानी

Question ID : 7532291908

Q.11 नीचे दिए गए वाक्य में किस कारक की विभक्ति का प्रयोग किया गया है?

ओ लड़को! खेलना बन्द करो।

Ans   ✓ A. सम्बोधन कारक

       ✗ B. अपादान कारक

       ✗ C. करण कारक

       ✗ D. सम्प्रदान कारक

Question ID : 7532291914

Q.12 दिए गए वाक्यांश के लिए एक शब्द का चयन कीजिए-

विवाहित स्त्री से उत्पन्न पुत्र

Ans   ✓ A. औरस

       ✗ B. किंवदन्ती

       ✗ C. उदन्त

       ✗ D. आमूलचूल

Question ID : 7532291913

Q.13 निम्नलिखित में से मुहावरा "दाल जूतियों में बँटना" का क्या अर्थ है?

Ans   ✗ A. जल्दी मरने वाला।

       ✗ B. धन संग्रह की चिंता में पड़ना।

       ✗ C. प्रयास करते रहना।

       ✓ D. अनबन होना।

Question ID : 7532291918

Q.14 निम्नलिखित में से कौन-सा लोकोक्ति का प्रचलित/सही रूप है?

Ans   ✗ A. जाकै पैर न सटे बिवाई वह क्या जाने चीर पराई।

       ✓ B. जाके पैर न फटे बिवाई वह क्या जाने पीर पराई।

       ✗ C. जोके पैर न फुटे बिवाई वो क्या जाने पीर नहाई।

       ✗ D. जाकै पैर न फटे बिवाई वह क्या जाने नीर पसाई।

Question ID : 7532291919

Q.15 निम्नलिखित में से "अन्त:पुर" का पर्यायवाची शब्द कौन-सा नहीं है?

Ans ✔ A. मिमिक्षा

✘ B. रनिवास

✘ C. जनानखाना

✘ D. भोगपुर

Question ID : **7532291910**

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं। वीरता की अभिव्यक्ति कई प्रकार से होती है, कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है, तो कभी जीवन के गूढ़ तत्व और सत्य की तलाश में बुद्ध जैसे राजा विरक्त होकर वीर हो जाते हैं। वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी एक रोनक, एक रंग, एक बहार संसार में छा गई। वीरता हमेशा निराली और नई होती है। वीरों को बनाने के कारखाने नहीं होते। वे तो देवदार के वृक्ष की भांति जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं। "जीवन के केंद्र में निवास करो और सत्य की चट्टान पर दृढ़ता से खड़े हो जाओ। बाहर की सतह छोड़कर जीवन के अंदर की तहों में पहुंचे तब नए रंग खिलेंगे।" यही वीरता का संदेश है।

SubQuestion No : 16

Q.16 उपर्युक्त गद्यांश का सर्वाधिक उचित शीर्षक निम्न में से कौन-सा है?

Ans ✘ A. वीरों का देश-प्रेम।

✔ B. सच्ची वीरता।

✘ C. वीरता का संस्मरण

✘ D. देवदार के वृक्ष एवं वीर।

Question ID : **7532291926**

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं। वीरता की अभिव्यक्ति कई प्रकार से होती है, कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है, तो कभी जीवन के गूढ़ तत्व और सत्य की तलाश में बुद्ध जैसे राजा विरक्त होकर वीर हो जाते हैं। वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी एक रोनक, एक रंग, एक बहार संसार में छा गई। वीरता हमेशा निराली और नई होती है। वीरों को बनाने के कारखाने नहीं होते। वे तो देवदार के वृक्ष की भांति जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं। "जीवन के केंद्र में निवास करो और सत्य की चट्टान पर दृढ़ता से खड़े हो जाओ। बाहर की सतह छोड़कर जीवन के अंदर की तहों में पहुंचे तब नए रंग खिलेंगे।" यही वीरता का संदेश है।

SubQuestion No : 17

Q.17 उपर्युक्त गद्यांश के अनुसार, निम्न में से कौन-सा कथन सत्य नहीं है?

Ans ✔ A. वीरों को बनाने के कारखाने होते है।

✘ B. सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं।

✘ C. वीर जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं।

✘ D. वीरता हमेशा निराली और नई होती है।

Question ID : **7532291925**

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं। वीरता की अभिव्यक्ति कई प्रकार से होती है, कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है, तो कभी जीवन के गूढ़ तत्व और सत्य की तलाश में बुद्ध जैसे राजा विरक्त होकर वीर हो जाते हैं। वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी एक रोनक, एक रंग, एक बहार संसार में छा गई। वीरता हमेशा निराली और नई होती है। वीरों को बनाने के कारखाने नहीं होते। वे तो देवदार के वृक्ष की भांति जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं। "जीवन के केंद्र में निवास करो और सत्य की चट्टान पर दृढ़ता से खड़े हो जाओ। बाहर की सतह छोड़कर जीवन के अंदर की तहों में पहुंचे तब नए रंग खिलेंगे।" यही वीरता का संदेश है।

SubQuestion No : 18

Q.18 उपर्युक्त गद्यांश के अनुसार, वीरता की अभिव्यक्ति निम्न में से किस प्रकार से होती है ?

Ans   ✔ A. कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है।

　　　✘ B. लड़ने-मरने से

　　　✘ C. तोप तलवार के सामने बलिदान करने से

　　　✘ D. खून बहाने से

Question ID : 7532291924

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं। वीरता की अभिव्यक्ति कई प्रकार से होती है, कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है, तो कभी जीवन के गूढ़ तत्व और सत्य की तलाश में बुद्ध जैसे राजा विरक्त होकर वीर हो जाते हैं। वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी एक रोनक, एक रंग, एक बहार संसार में छा गई। वीरता हमेशा निराली और नई होती है। वीरों को बनाने के कारखाने नहीं होते। वे तो देवदार के वृक्ष की भांति जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं। "जीवन के केंद्र में निवास करो और सत्य की चट्टान पर दृढ़ता से खड़े हो जाओ। बाहर की सतह छोड़कर जीवन के अंदर की तहों में पहुंचे तब नए रंग खिलेंगे।" यही वीरता का संदेश है।

SubQuestion No : 19

Q.19 उपर्युक्त गद्यांश में वीरों की तुलना किस वृक्ष के भांति की गई है?

Ans   ✘ A. पीपल के वृक्ष

　　　✘ B. पतझड़ के वृक्ष।

　　　✘ C. नीम के वृक्ष

　　　✔ D. देवदार के वृक्ष

Question ID : 7532291922

Comprehension:

निम्नलिखित गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों के उत्तर दीजिए-

सच्चे वीर अपने प्रेम के जोर से लोगों को सदा के लिए बांध देते हैं। वीरता की अभिव्यक्ति कई प्रकार से होती है, कभी लड़ने-मरने से, खून बहाने से, तो तोप तलवार के सामने बलिदान करने से होती है, तो कभी जीवन के गूढ़ तत्व और सत्य की तलाश में बुद्ध जैसे राजा विरक्त होकर वीर हो जाते हैं। वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी एक रोनक, एक रंग, एक बहार संसार में छा गई। वीरता हमेशा निराली और नई होती है। वीरों को बनाने के कारखाने नहीं होते। वे तो देवदार के वृक्ष की भांति जीवन रूपी वन में स्वयं पैदा होते हैं और बिना किसी के पानी दिए, बिना किसी के दूध पिलाए बढ़ते हैं। "जीवन के केंद्र में निवास करो और सत्य की चट्टान पर दृढ़ता से खड़े हो जाओ। बाहर की सतह छोड़कर जीवन के अंदर की तहों में पहुंचे तब नए रंग खिलेंगे।" यही वीरता का संदेश है।

SubQuestion No : 20

Q.20 उपर्युक्त गद्यांश के अनुसार, वीरता एक प्रकार की अंत: प्रेरणा है जब कभी उसका विकास हुआ तभी _____ संसार में छा गई।

Ans   ✔ A. एक रोनक, एक रंग, एक बहार

　　　✘ B. एक बहार

　　　✘ C. एक रोनक

　　　✘ D. एक रंग

Question ID : 7532291923

Section : **Discipline1**

Q.1 **A current of 1.0 A is drawn by a filament of an electric bulb for 4th part of an hour. Find the amount of electric charge that flows through the circuit.**

Ans ✓ A. 900 C

✗ B. 810 C

✗ C. 720 C

✗ D. 960 C

Question ID : **7532291942**

Q.2 **SI unit of power of lens is:**

Ans ✗ A. m

✗ B. m^{-3}

✓ C. m^{-1}

✗ D. m^{-2}

Question ID : **7532291931**

Q.3 **For an object moving along a straight line without changing its direction the-**

Ans ✗ A. distance travelled > displacement

✗ B. distance travelled < displacement

✓ C. distance travelled = displacement

✗ D. distance is not zero but displacement is zero

Question ID : **7532291940**

Q.4 **The dimension of speed is-**

Ans ✗ A. LT^{-3}

✗ B. LT^{-2}

✗ C. LT

✓ D. LT^{-1}

Question ID : **7532291939**

Q.5 **An optical fibre is a very thin fibre made of _____.**

1. Glass
2. Copper
3. Plastic

Ans ✗ A. 1 only

✓ B. 1 and 3 only

✗ C. 1 and 2 only

✗ D. 1, 2 and 3

Question ID : **7532291930**

Q.6 Which of the following is/are the law/s of reflection in case of a light ray reflected by a smooth surface?

1. The angle of incidence is equal to the angle of reflection
2. The incident ray and the reflected ray are not co-planar
3. The incident ray, the reflected ray and the normal to the reflecting surface at the point of incidence are co-planar

Ans ✔ A. 1 and 3 only

✘ B. 3 only

✘ C. 1 only

✘ D. 1 and 2 only

Question ID : 7532291927

Q.7 A wave of wavelength 0.50 cm is produced in air and it travels at a speed of 250 ms^{-1}. What will be the frequency of the sound?

Ans ✘ A. 70,000 Hz

✔ B. 50,000 Hz

✘ C. 60,000 Hz

✘ D. 40,000 Hz

Question ID : 7532291933

Q.8 Which of the following law/principle has/have been applied to form the principle of hydraulic lift used to raise heavy loads?

Ans ✘ A. Both Pascal's law and Archimedes Principle

✔ B. Pascal's law

✘ C. Archimedes Principle

✘ D. Newton's third law of motion

Question ID : 7532291937

Q.9 Which of the following rules is used to determine the direction of force in the electric motor?

Ans ✘ A. Palmer's Right-Hand Rule

✘ B. Fleming's Right-Hand Rule

✔ C. Fleming's Left-Hand Rule

✘ D. Palmer's Left-Hand Rule

Question ID : 7532291945

Q.10 If we hang a bar-magnet with a string, it will always rest in the direction of-

Ans ✘ A. East-West

✘ B. North-East

✔ C. North-South

✘ D. West-South

Question ID : 7532291944

Q.11 The curvature of the lens of an eye is altered by _____.

Ans   ✔ A. Ciliary muscle

✘ B. Retina

✘ C. Vitreous humour

✘ D. Cornea

Question ID : 7532291932

Q.12 Who of the following devised barometer?

Ans   ✔ A. Torricelli

✘ B. Bernoulli

✘ C. Pascal

✘ D. Archimedes

Question ID : 7532291935

Q.13 The waves with the frequency below the audible range are called –

Ans   ✔ A. Infrasonic waves

✘ B. Hypersonic waves

✘ C. Supersonic waves

✘ D. Ultrasonic waves

Question ID : 7532291934

Q.14 Which of the following statements is incorrect?

Ans   ✘ A. AC (Alternating Current) is transmitted from electricity generation centers to houses and industries through high voltage transformer (step up transformers) at very high voltage.

✘ B. Major portion of AC flows through the upper portion of a wire.

✘ C. DC of same voltage as AC is more dangerous because in DC direction of flow of current doesn't change.

✔ D. Devices like electric motor that work on DC (Direct Current) are stronger than those that use AC.

Question ID : 7532291946

Q.15 Which of the following represents the critical angle of a medium(Θ_c), for light going from the medium to the air? (Given $\mu_2 = 1$ and $\mu_1 = \mu$)

Ans   ✘ A. $\Theta_c = \sin^{-1} \mu$

✔ B. $\Theta_c = \sin^{-1} (1/\mu)$

✘ C. $\Theta_c = \sin (1/\mu)$

✘ D. $\Theta_c = \cos^{-1} (1/\mu)$

Question ID : 7532291929

Q.16 Which of the following statements is/are true?

1. The intermolecular forces are less in liquids in comparison to solids.
2. The shape of liquid can easily be changed.
3. The volume of a given mass of liquid can easily be changed.
4. The volume of a given mass of liquid is not so easy to change.

Ans   ✘ A. Only 1 and 4

✘ B. Only 1 and 2

✔ C. Only 1, 2 and 4

✘ D. Only 1, 2 and 3

Question ID : 7532291936

Q.17 **Sun radiates about _____ joule of energy every second.**

Ans ✗ A. 3.92×10^{28}

✗ B. 3.92×10^{32}

✗ C. 3.92×10^{30}

✓ D. 3.92×10^{26}

Question ID : **7532291928**

Q.18 **Which of the following statements is/are true?**

1. If a body does not change its position as time passes it is at rest.
2. There is no meaning of rest or motion without the viewer.
Choose the correct code.

Ans ✓ A. Both 1 and 2

✗ B. Neither 1 nor 2

✗ C. Only 2

✗ D. Only 1

Question ID : **7532291938**

Q.19 **A rifle having a mass of 8 kg fires a bullet at a speed of 300 ms^{-1}. If the rifle recoil with a velocity of 1.5 ms^{-1} then find the mass of the bullet.**

Ans ✓ A. 40 g

✗ B. 30 g

✗ C. 25 g

✗ D. 35 g

Question ID : **7532291941**

Q.20 How much time will take a 4 kW immersion rod to raise the temperature of 1 litre of water from 30°C to 60°C. (Take Specific heat of water c = 4.18×10^3 J kg^{-1} °C^{-1})

Ans ✗ A. 26.71 s

✓ B. 31.35 s

✗ C. 62.7 s

✗ D. 45.25 s

Question ID : **7532291943**

Section : **Discipline2**

Q.1 **The commonly used unit of power, Horse-power is equal to-**

Ans ✗ A. 842 W

✓ B. 746 W

✗ C. 440 W

✗ D. 760 W

Question ID : **7532291953**

Q.2 Solid carbon dioxide is known as dry ice because:

1. It is stored under extreme low pressure to solidify it.
2. It gets converted directly to gaseous state on decrease of pressure to 1 atm without coming into liquid state.
Choose the correct code:

Ans   ✘ A. Both 1 and 2

      ✘ B. Only 1

      ✘ C. Neither 1 nor 2

      ✔ D. Only 2

Question ID : 7532291956

Q.3 According to Thomson's model of an atom:

1. An atom consists of a positively charged sphere and the electrons are embedded in it.
2. The negative and positive charges are not always equal in magnitude. So, the atom as a whole is not always electrically neutral.
Choose the correct code:

Ans   ✘ A. Only 2

      ✘ B. Both 1 and 2

      ✔ C. Only 1

      ✘ D. Neither 1 nor 2

Question ID : 7532291963

Q.4 Which of the following is known as the law of definite proportions as stated by Proust?

Ans   ✘ A. In a chemical substance the elements are always present in definite proportions by volume.

      ✘ B. In a chemical substance the elements are always present in definite proportions by heat.

      ✘ C. In a chemical substance the elements are always present in definite proportions by density.

      ✔ D. In a chemical substance the elements are always present in definite proportions by mass.

Question ID : 7532291959

Q.5 What is the atomic radius of hydrogen atom?

Ans   ✘ A. 23 nm

      ✔ B. 37 pm

      ✘ C. 47 mm

      ✘ D. 37 nm

Question ID : 7532291966

Q.6 Which of the following is emitted when hydrogen is burned?

Ans   ✔ A. Water-vapour

      ✘ B. Methane

      ✘ C. Both methane and water-vapour

      ✘ D. Carbon dioxide

Question ID : 7532291950

Q.7   **The melting point of ice is:**

Ans   ✗ A. 373 K

✗ B. 237.51 K

✓ C. 273.15 K

✗ D. 473.15 K

Question ID : **7532291958**

Q.8   **Which of the following gases makes 75 percent of bio-gas?**

Ans   ✗ A. Urea

✗ B. Butane

✓ C. Methane

✗ D. Ammonia

Question ID : **7532291947**

Q.9   **Which of the following is true?**

1. The rate of diffusion of liquids is higher than that of solids.
2. Gases are highly compressible as compared to solids and liquids.
Choose the correct code.

Ans   ✗ A. Only 1

✗ B. Only 2

✗ C. Neither 1 nor 2

✓ D. Both 1 and 2

Question ID : **7532291955**

Q.10   **The plasma state of matter consists of :**

Ans   ✗ A. Extremely stable particles of a liquid and charged particles of a noble gas under extremely low temperature

✓ B. Extremely energetic and excited form of ionised gases

✗ C. Extremely stable and uncharged neutrons of several gases

✗ D. Extremely charged particles of gases under very low temperature

Question ID : **7532291957**

Q.11   **In 1961 for a universally accepted atomic mass unit, _____ isotope was chosen as the standard reference for measuring atomic masses.**

Ans   ✗ A. carbon-1

✗ B. hydrogen-2

✗ C. oxygen-6

✓ D. carbon-12

Question ID : **7532291961**

Q.12   **Which of the following is not a postulate of Dalton's atomic theory?**

Ans   ✗ A. Atoms of a given element are identical in mass and chemical properties.

✗ B. All matter is made of very tiny particles called atoms.

✗ C. The relative number and kinds of atoms are constant in a given compound.

✓ D. Atoms combine in the ratio of small real numbers to form compounds.

Question ID : **7532291960**

Q.13 Which of the following statements is incorrect about biofuel?

1. It is an important fuel produced from leftover food products like vegetable oils and animal fats.
2. It can be made when large amounts of crops high in sugar or starch content are grown, and then fermented with yeast to produce ethyl alcohol or ethanol.
Choose the correct code.

Ans   ✓ A. Neither 1 nor 2

✗ B. Both 1 and 2

✗ C. Only 1

✗ D. Only 2

Question ID : 7532291949

Q.14 Which of the following countries is known as the country of the 'winds'?

Ans   ✓ A. Denmark

✗ B. Germany

✗ C. France

✗ D. India

Question ID : 7532291948

Q.15 For generating wind energy, the wind speed should be higher than _____ to maintain the required speed of the turbine.

Ans   ✗ A. 5 km/h

✗ B. 10 km/h

✗ C. 8 km/h

✓ D. 15 km/h

Question ID : 7532291952

Q.16 The number of atoms constituting a molecule is known as its:

Ans   ✗ A. Atomic mass

✗ B. Atomic number

✗ C. Atomic weight

✓ D. Atomicity

Question ID : 7532291962

Q.17 It was found that the Law of Octaves was applicable only upto _____.

Ans   ✓ A. Calcium

✗ B. Magnesium

✗ C. Nitrogen

✗ D. Iron

Question ID : 7532291964

Q.18 Mendeleev's Periodic Law states that:

Ans   ✓ A. The properties of elements are the periodic function of their atomic masses.

✗ B. The properties of elements are the periodic function of their ions.

✗ C. The properties of elements are the periodic function of their atomicity.

✗ D. The properties of elements are the periodic function of their atomic numbers.

Question ID : 7532291965

Q.19 Which of the following have a tendency to maintain their shape when subjected to outside force?

Ans ✗ A. Gases

✓ B. Solids

✗ C. Liquids

✗ D. Aerosols

Question ID : **7532291954**

Q.20 Which of the following types of coal has the highest calorific value?

Ans ✗ A. Peat

✓ B. Anthracite

✗ C. Sub-bituminous

✗ D. Lignite

Question ID : **7532291951**

Section : **Discipline3**

Q.1 Which of the following is also known as Crooke's glass?

Ans ✓ A. Flint or optical glass

✗ B. Borosilicate glass

✗ C. Hard glass

✗ D. Fibre glass

Question ID : **7532291980**

Q.2 Which of the following is not an example of exothermic reaction?

Ans ✗ A. Decomposition of vegetable matter into compost

✓ B. Ammonium chloride dissolves in water

✗ C. Burning of natural gas

✗ D. Respiration

Question ID : **7532291969**

Q.3 Compounds of carbon, which are linked by only single bonds between the carbon atoms are called _____ compounds.

Ans ✗ A. Neutral

✗ B. Unsaturated

✗ C. Unstable

✓ D. Saturated

Question ID : **7532291976**

Q.4 An alkali is a base which is -

Ans ✗ A. never stable

✗ B. highly basic in pH

✓ C. soluble in water

✗ D. highly reactive

Question ID : **7532291971**

Q.5 Which of the following general properties for ionic compounds is true?

Ans ✗ A. Ionic compounds are very flexible and never break easily when pressure is applied.

✗ B. Ionic compounds are easily soluble in solvents like kerosene and petrol.

✗ C. Ionic compounds conduct electricity in solid state.

✓ D. Ionic compounds have higher melting and boiling points.

Question ID : **7532291975**

Q.6 Which of the following products consists of a mixture of potassium chlorate and antimony trisulphide bound together by glue?

Ans ✗ A. Detergents

✗ B. Soaps

✗ C. Candles

✓ D. Matchstick heads

Question ID : **7532291979**

Q.7 Which of the following is an incorrect option regarding universal rules of nomenclature?

Ans ✗ A. The first word in a biological name represents the genus

✗ B. Both the words in a biological name, when handwritten, are separately underlined

✗ C. Biological names are generally in Latin and written in italics

✓ D. First word denoting the genus starts with a small letter while the specific epithet starts with a capital letter

Question ID : **7532291986**

Q.8 The _____ of elements is explained as their tendency to attain a completely filled outer shell.

Ans ✗ A. density

✗ B. pressure

✗ C. weight

✓ D. reactivity

Question ID : **7532291977**

Q.9 Which of the following reacts vigorously with water to produce slaked lime releasing a large amount of heat?

Ans ✗ A. Calcium

✗ B. Calcium bromide

✓ C. Calcium oxide

✗ D. Sulfuric Acid

Question ID : **7532291968**

Q.10 Which of the following products is available from Hevea brasiliensis?

Ans ✗ A. Nylon

✗ B. Rayon

✓ C. Natural rubber

✗ D. PET

Question ID : **7532291981**

Q.11 Which of the following is an example of conventional non-renewable energy sources?

Ans ✗ A. Solar energy

✗ B. Biogas

✓ C. Natural gases

✗ D. Geothermal energy

Question ID : **7532291985**

Q.12 Goitre is caused due to deficiency of:

Ans ✗ A. Iron

✗ B. Fluorine

✓ C. Iodine

✗ D. Vitamin K

Question ID : **7532291984**

Q.13 All metals except _____ exist as solids at room temperature.

Ans ✓ A. Mercury

✗ B. Caesium

✗ C. Gallium

✗ D. Iodine

Question ID : **7532291974**

Q.14 Acetic acid (CH_3COOH) has a melting point of:

Ans ✗ A. 90 K

✗ B. 209 K

✗ C. 156 K

✓ D. 290 K

Question ID : **7532291978**

Q.15 Which of the following is the most ductile metal?

Ans ✗ A. Silver

✗ B. Copper

✗ C. Platinum

✓ D. Gold

Question ID : **7532291973**

Q.16 Scurvy is caused due to deficiency of:

Ans ✗ A. Vitamin B

✗ B. Vitamin A

✓ C. Vitamin C

✗ D. Vitamin D

Question ID : **7532291983**

Q.17 Acid + Metal → Salt + _____

Which of the following is needed to complete the reaction above?

Ans ✗ A. Nitrogen gas

✗ B. Ozone gas

✓ C. Hydrogen gas

✗ D. Oxygen gas

Question ID : **7532291970**

Q.18 Which of the following is the correctly balanced equation for $Fe + H_2O \rightarrow Fe_3O_4 + H_2$?

Ans ✗ A. $Fe + 4H_2O \rightarrow Fe_3O_4 + H_2$

✗ B. $3Fe + 4H_2O \rightarrow Fe_3O_4 + H_2$

✓ C. $3Fe + 4H_2O \rightarrow Fe_3O_4 + 4H_2$

✗ D. $3Fe + H_2O \rightarrow Fe_3O_4 + H_2$

Question ID : **7532291967**

Q.19 Outer solid crust of earth is known as-

Ans ✗ A. Stratosphere

✗ B. Mesosphere

✓ C. Lithosphere

✗ D. Hydrosphere

Question ID : **7532291982**

Q.20 Which of the following is false?

Ans ✗ A. Acidic solutions in water conduct electricity because they produce hydrogen ions.

✗ B. When a base reacts with a metal, the salt formed has a negative ion composed of the metal.

✓ C. Acidic nature of a substance is due to the formation of OH` (aq) ions in solution

✗ D. Water of crystallisation is the fixed number of water molecules present in one formula unit of a salt.

Question ID : **7532291972**

Section : **Discipline4**

Q.1 The ability of the eye lens to adjust its focal length is called _____.

Ans ✓ A. Accommodation

✗ B. Reflection

✗ C. Power

✗ D. Refraction

Question ID : **7532291998**

Q.2 Fusion of gametes is not involved in –

Ans ✗ A. isogamy

✓ B. asexual reproduction

✗ C. amphimixis

✗ D. sexual reproduction

Question ID : **7532291993**

Q.3 **Which of the following should not be included in Volatile organic compounds (VOCs)?**

Ans ✔ A. Glycerol

✘ B. Toulene

✘ C. Benzene

✘ D. Methane

Question ID : **7532292002**

Q.4 **What is the temperature at which the water vapour begins to change into water drops?**

Ans ✘ A. Frost point

✘ B. Freezing point

✔ C. Dew point

✘ D. Crystallisation point

Question ID : **7532292003**

Q.5 **Which of the following organs if get damaged will cause visual impairment?**

1. Pupil
2. Retina
3. Optic nerve

Ans ✘ A. 1 and 3 only

✔ B. 1, 2 and 3

✘ C. 1 only

✘ D. 2 and 3 only

Question ID : **7532291989**

Q.6 **Mark the incorrect statement regarding Autotrophic nutrition.**

1. Carbon and energy requirements of the autotrophic organism are fulfilled by photosynthesis
2. It is the process by which autotrophs take in substances from the outside and convert them into stored forms of energy.
3. Substances are taken in the form of carbon dioxide and methane which is converted into fats in the presence of sunlight and chlorophyll.

Ans ✘ A. Only 2

✘ B. 1 and 3 only

✘ C. 2 and 3 only

✔ D. Only 3

Question ID : **7532291987**

Q.7 **Why presbyopia occurs?**

1. Due to gradual weakening of ciliary muscles
2. Diminishing flexibility of eye lens

Ans ✘ A. Only 1

✘ B. Only 2

✘ C. Neither 1 nor 2

✔ D. Both 1 and 2

Question ID : **7532292000**

Q.8 Movement in plants that occurs in response to light intensity is known as-

Ans   ✔ A. Photonasty

        ✘ B. Photo motorism

        ✘ C. Photo sensitivity

        ✘ D. Photo philia

Question ID : **7532291988**

Q.9 What do the plants convert the nitrates and nitrites into after they fix the atmospheric nitrogen?

Ans   ✘ A. Methane

        ✔ B. Amino acid

        ✘ C. Nitric acid

        ✘ D. Urea

Question ID : **7532292005**

Q.10 If the tails of mice are removed by surgery in each generation, do these tailless mice have tailless progeny?

Ans   ✔ A. No, because removal of the tail cannot change the genes of the germ cells of the mice.

        ✘ B. The length of the tail reduces with each generation and eventually gets lost.

        ✘ C. Yes, there will be change in sex choromosomes

        ✘ D. Yes, because removal of the tail can change the genes of the germ cells of the mice

Question ID : **7532291996**

Q.11 Ganga action plan was initiated to reduce:

Ans   ✔ A. Pollution load

        ✘ B. Oil exploration

        ✘ C. Construction of dams

        ✘ D. Flooding

Question ID : **7532292001**

Q.12 Which of the following organism reproduces asexually by spore formation?

1. Mucor
2. Penicillium
Choose the correct code–

Ans   ✔ A. Both 1 and 2

        ✘ B. Only 1

        ✘ C. Neither 1 nor 2

        ✘ D. Only 2

Question ID : **7532291994**

Q.13 Which of the following statements is incorrect?

Ans   ✘ A. The biodiversity in an area is determined by the quality of topsoil largely.

        ✔ B. Humus causes the soil to become less porous.

        ✘ C. Earthworms are a major contributor to formation of humus.

        ✘ D. Fertilizers and pesticides can destroy the soil structure.

Question ID : **7532292004**

Q.14 Mark the correct statement regarding sex chromosomes?

1. Women have a perfect pair of sex chromosomes, both called X
2. Men have a mismatched pair in which one is a normal-sized X while the other is a long one called Y

Ans   ✗ A. Neither 1 nor 2

   ✗ B. Both 1 and 2

   ✓ C. 1 only

   ✗ D. 2 only

Question ID : 7532291995

Q.15 Wings of bats are skin folds stretched mainly between elongated fingers. But the wings of birds are a feathery covering all along the arm. The designs of the two wings, their structure and components, are thus very different. They look similar because they have a common use for flying, but their origins are not common. Which type of characteristic/s is this?
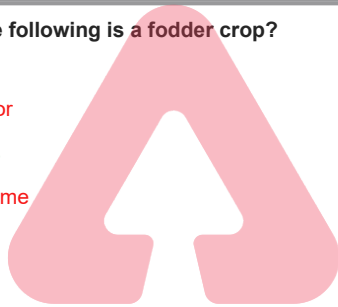
1. Homologous characteristic
2. Analogous characteristic

Ans   ✓ A. 2 only

   ✗ B. Both 1 and 2

   ✗ C. Either 1 or 2

   ✗ D. 1 only

Question ID : 7532291997

Q.16 Which of the following is a fodder crop?

Ans   ✗ A. Lentil

   ✗ B. Castor

   ✓ C. Oats

   ✗ D. Sesame

Question ID : 7532292006

Q.17 Oxygen is found in the elemental form in the atmosphere to the extent of:

Ans   ✓ A. 21 percent

   ✗ B. 80 percent

   ✗ C. 96 percent

   ✗ D. 33 percent

Question ID : 7532291990

Q.18 The upward and downward growth of shoots and roots, respectively, in response to the pull of earth or gravity is known as:

Ans   ✓ A. geotropism

   ✗ B. chemotropism

   ✗ C. phototropism

   ✗ D. hydrotropism

Question ID : 7532291991

Q.19 The roots of plants have an important role in preventing:

Ans   ✔ A. soil erosion

        ✘ B. earthquake

        ✘ C. humidity

        ✘ D. pests

Question ID : **7532291992**

Q.20 If one wants to donate his/her eye, then after how much time after death, eyes should be removed from body?

Ans   ✘ A. 6-12 hrs

        ✔ B. 4-6 hrs

        ✘ C. 12-24 hrs

        ✘ D. 7-8 hrs

Question ID : **7532291999**

Section : **Discipline5**

Q.1 Which of the following has the highest percentage of fats?

Ans   ✘ A. Fish

        ✘ B. Milk (Cow)

        ✔ C. Egg

        ✘ D. Meat

Question ID : **7532292009**

Q.2 Which of the following is a Zaid crop?

Ans   ✘ A. Lahi

        ✘ B. Arhar

        ✘ C. Tobacco

        ✔ D. Gourd

Question ID : **7532292011**

Q.3 Why is dwarfness desired in cereals?

Ans   ✘ A. Its quality is enhanced.

        ✘ B. These crop-varieties are very tasty.

        ✔ C. Less nutrients are consumed.

        ✘ D. It requires less sunlight.

Question ID : **7532292007**

Q.4 **Which of the following problems arise if excessive fertilisers are used?**

1. Water pollution
2. Destruction of soil fertility
Choose the correct code.

Ans ✗ A. Only 2

✗ B. Neither 1 nor 2

✓ C. Both 1 and 2

✗ D. Only 1

Question ID : **7532292008**

Q.5 **Which of the following fish varieties is not a marine fish variety?**

Ans ✓ A. Catla

✗ B. Tuna

✗ C. Pomphret

✗ D. Mackerel

Question ID : **7532292010**

Q.6 **Bos Indicus is a/an-**

Ans ✗ A. Indian buffalo

✓ B. Indian cow

✗ C. Indian honeybee

✗ D. Indian hen

Question ID : **7532292013**

Q.7 **Cerocen and Agrocen are used for-**

Ans ✗ A. eliminating weeds

✗ B. growth hormones in cattle

✓ C. treatment of seeds

✗ D. increasing the soil-fertility

Question ID : **7532292012**

Q.8 **Apis florae is a type of _____.**

Ans ✗ A. Flower

✗ B. Hen

✓ C. Bee

✗ D. Cow

Question ID : **7532292016**

Q.9 **Which of the following is the practice of controlling the establishment, growth, composition, health, and quality of tree to meet diverse needs and values?**

Ans ✗ A. Afforestation

✓ B. Silviculture

✗ C. Horticulture

✗ D. Reforestation

Question ID : **7532292015**

Q.10 When boiled water is allowed to cool, heavy impurities collect at the bottom and dissolved salts form a thin layer on the surface called-

Ans   ✗ A. Slug

✓ B. Scum

✗ C. Impurities

✗ D. Waste

Question ID : **7532292014**

Section : **Teaching Methodology**

Q.1 Which of the following sections of the Right to Education Act, 2009 provides for the Right to transfer to other school?

Ans   ✗ A. 6

✗ B. 7

✓ C. 5

✗ D. 8

Question ID : **7532292020**

Q.2 In which of the following stages should science be introduced as separate disciplines with emphasis on experiments/technology and problem solving?

Ans   ✗ A. Upper primary stage

✗ B. Primary stage

✗ C. Secondary stage

✓ D. Higher secondary stage

Question ID : **7532292021**

Q.3 The average nutritional intake of women in India is estimated to be -

Ans   ✗ A. 1800 calories daily

✗ B. 2000 calories daily

✗ C. 2500 calories daily

✓ D. 1400 calories daily

Question ID : **7532292024**

Q.4 What is the full-form of CCE?

Ans   ✗ A. Continuous and Cumulative Education

✗ B. Complete and Comprehensive Education

✓ C. Continuous and Comprehensive Evaluation

✗ D. Continuous and Cumulative Evaluation

Question ID : **7532292026**

Q.5 In which age can a child generally start to name colours?

Ans   ✗ A. 7-8 years

✗ B. 3 years

✗ C. 2 years

✓ D. 4-5 years

Question ID : **7532292023**

Q.6 In which year was EDUSAT launched?

Ans ✔ A. 2004

✘ B. 2001

✘ C. 2007

✘ D. 2000

Question ID : **7532292022**

Q.7 In which of the following teaching methods the whole class is divided into different homogeneous small sections on the basis of abilities so that teacher can remove their difficulties by giving them individual guidance?

Ans ✘ A. Question-answer method

✘ B. Lecture method

✘ C. Demonstration method

✔ D. Tutorial method

Question ID : **7532292018**

Q.8 Who out of the following had developed the theory of trial and error learning?

Ans ✔ A. E.L.Thorndike

✘ B. E. C. Tolman

✘ C. J. B. Watson

✘ D. B. F. Skinner

Question ID : **7532292017**

Q.9 Who has said, "Scientific method consists of systematic observation, classification and interpretation of data"?

Ans ✔ A. Lundberg

✘ B. Jobs

✘ C. Koils

✘ D. Pearson

Question ID : **7532292025**

Q.10 Which of the following types of home-assignement can be given to the students?

1. Informational
2. Study type
Choose the correct code.

Ans ✘ A. Only 1

✘ B. Neither 1 nor 2

✘ C. Only 2

✔ D. Both 1 and 2

Question ID : **7532292019**