

Roll No:

Registration No:

Name:

Date: 11-Jan-2019 **Shift-2nd**

Examination: **Online Examination - SI**

**Section 1 - Online Examination**

**Question No.1**

1.00

**Bookmark**

Which of the following devices is used to produce high magnetic field in which the combination of solenoid (charinlika) and toroid is used?

- (A)  Generator - (Optional 4)
- (B)  **Synchrotron - (Alternative 2)**
- (C)  Rectifier - (Alternative 1)
- (D)  Bi-Pole (Optional 3)

**Question No.2**

1.00

**Bookmark**

Yamuna river joins Ganga in \_\_\_\_\_.

- (A)  Haridwar - (Alternative 1)
- (B)  Rishikesh - (Alternative 2)
- (C)  **Allahabad - (Alternative 3)**
- (D)  Patna - (Alternative 4)

**Question No.3**

1.00

**Bookmark**

Who did the Big Bang theory?

- (A)  Thomas Gold - (Alternative 4)
- (B)  **George Lamatre - (Alternative 1)**
- (C)  Harry Hayes - (Alternative 2)
- (D)  Alfred Wegener - (Alternative 3)

**Question No.4**

1.00

**Bookmark**

At the place of a cut or injury, the clot or conglom (red brown color) goes away after some time.

This is a network of \_\_\_\_\_ fibers.

- (A)  Lymph - (Alternative 4)
- (B)  Willie - (Alternative 3)
- (C)  **Fibrin - (Alternative 1)**
- (D)  Platelets - (Alternative 2)

**Question No.5**

1.00

**Bookmark**

The famous Jama Masjid was built by which ruler?

- (A)  Jahangir - (Alternative 1)
-

- (B) **Shah Jahan - (Alternative 3)**  
(C)  Aurangzeb - (Alternative 2)  
(D)  Darachikoh - (Alternative 4)

**Question No.6**

1.00

Bookmark

Boxing is called the field of play-

- (A)  Court - (Optional 3)  
(B)  **Ring - (Alternative 4)**  
(C)  Track - (Alternative 1)  
(D)  Diamond - (Alternative 2)

**Question No.7**

1.00

Bookmark

The tissue found between the upper and lower epidermis of a bi-cephal leaf is called -

- (A)  Circulatory System - (Alternative 1)  
(B)  **Mesophil - (Alternative 4)**  
(C)  Answers - (Alternative 3)  
(D)  Pulp - (Alternative 2)

**Question No.8**

1.00

Bookmark

How much is the number of Lok Sabha members currently?

- (A)  580 - (Optional 4)  
(B)  560 - (Optional 3)  
(C)  **545 - (Optional 1)**  
(D)  550 - (Alternative 2)

**Question No.9**

1.00

Bookmark

Constitution of India came into effect-

- (A)  August 15, 1947 - (Alternative 4)  
(B)  **January 26, 1950 - (Alternative 2)**  
(C)  26 November 1949 - (Alternative 3)  
(D)  August 26, 1949 - (Optional 1)

**Question No.10**

1.00

Bookmark

What is the SI number of the current density?

- (A)  mA<sup>2</sup> - (Alternative 4)  
(B)  Am<sup>2</sup> - (Alternative 2)  
(C)  **A / m<sup>2</sup> - (Optional 1)**  
(D)  m / a<sup>2</sup> - (Alternative 3)

**Question No.11**

1.00

Bookmark 

Who is the father of the Green Revolution?

- (A)  A.P.J. Abdul Kalam - (Alternative 4)
- (B)  **M / s. Swaminathan - (Alternative 3)**
- (C)  CNR RAW - (Alternative 2)
- (D)  Norman Borlaug - (Alternative 1)

**Question No.12**

1.00

Bookmark 

Which port was constructed to reduce the congestion of the sea port of Chennai?

- (A)  **Ennore - (Alternative 4)**
- (B)  Tuticorin - (Alternative 1)
- (C)  Cuddalore - (Alternative 3)
- (D)  Puducherry - (Alternative 2)

**Question No.13**

1.00

Bookmark 

M.A. The Chidambaram Stadium is located-

- (A)  Delhi - (Alternative 3)
- (B)  Pune - (Alternative 4)
- (C)  Kolkata - (Alternative 2)
- (D)  **Chennai - (Alternative 1)**

**Question No.14**

1.00

Bookmark 

Which is the newest state of India?

- (A)  **Telangana - (Alternative 4)**
- (B)  Jharkhand - (Alternative 2)
- (C)  Chhattisgarh - (Alternative 3)
- (D)  Uttarakhand - (Alternative 1)

**Question No.15**

1.00

Bookmark 

Who was the author of 'Amar Sonar Bangla', the national anthem of Bangladesh?

- (A)  **Rabindranath Tagore - (Alternative 4)**
- (B)  Kazi Nazarul Islam - (Alternative 2)
- (C)  Muhammad Iqbal - (Alternative 1)
- (D)  Mirza Ghalib - (Alternative 3)

**Question No.16**

1.00

Bookmark 

In the field of national plans lies the official use-

- (A)  England Revolution - (Alternative 3)
-

- (B) Canadian Revolution - (Alternative 4)  
(C)  **Bolshevik Revolution of Russia - (Alternative 2)**  
(D)  French Revolution - (Alternative 1)

**Question no.17**

1.00

Bookmark

Which of the following is not included in BCCI annual awards?

- (A)  Jagmohan Dalmiya Trophy - (Alternative 3)  
(B)  Polly Umrigar Award - (Alternative 4)  
(C)  **Azlan Shah Cup - (Alternative 2)**  
(D)  M.A. Chidambaram Trophy - (Alternative 1)

**Question No.18**

1.00

Bookmark

Which of the following cities was the capital of Chalukya?

- (A)  Tanjore - (Alternative 4)  
(B)  **Badami - (Alternative 1)**  
(C)  Kanchipuram - (Alternative 3)  
(D)  Madurai - (Alternative 2)

**Question No.19**

1.00

Bookmark

How many years is the tenure of the members of the Lok Sabha?

- (A)  Four years - (Alternative 1)  
(B)  Six years - (Alternative 4)  
(C)  **Five years - (Alternative 2)**  
(D)  Three years - (Optional 3)

**Question No.20**

1.00

Bookmark

What kind of a state is Delhi?

- (A)  **National Capital Region and Union Territory - (Alternative 2)**  
(B)  State - (Optional 4)  
(C)  Capital Territory - (Alternative 1)  
(D)  National Sector - (Alternative 3)

**Question no.21**

1.00

Bookmark

In the context of the concentration of reactants, the rate of reaction rate is called:

- (A)  Immediate Rate - (Optional 2)  
(B)  **Rate Rules - (Alternative 1)**  
(C)  Rate determiners - (Optional 4)  
(D)  Mollar Rule - (Optional 3)

**Question no.22**

1.00

Bookmark

Which breed of cattle is used for two purposes?

- (A)  Deoni - (Alternative 2)
- (B)  Saheehwal - (Alternative 4)
- (C)  Fall - (Alternative 3)
- (D)  **Ongole - (Alternative 1)**

**Question no.23**

1.00

Bookmark

'The golden age of the history of Indian football' is what time is called?

- (A)  2001-2010 - (Optional 4)
- (B)  **1951-1962 - (Alternative 2)**
- (C)  1990-2000 - (Optional 3)
- (D)  1941-1951 - (Optional 1)

**Question no.24**

1.00

Bookmark

In which Indian state is the largest cotton mill number of mills?

- (A)  Telangana - (Alternative 4)
- (B)  West Bengal - (Alternative 3)
- (C)  **Maharashtra - (Alternative 2)**
- (D)  Gujarat - (Alternative 1)

**Question No.25**

1.00

Bookmark

The famous art of embroidery 'Gota' belongs to the state of \_\_\_\_\_.

- (A)  Jharkhand - (Alternative 2)
- (B)  **Rajasthan - (Alternative 3)**
- (C)  West Bengal - (Alternative 1)
- (D)  Chhattisgarh - (Alternative 4)

**Question no.26**

1.00

Bookmark

Which Sultan of Delhi popularized 'Taka' and 'Jintal' coins?

- (A)  Balban - (Alternative 1)
- (B)  Allauddin Khilji - (Alternative 3)
- (C)  Muhammad bin Tughlaq - (Alternative 4)
- (D)  **Iltutmish - (Alternative 2)**

**Question no.27**

1.00

Bookmark

The famous composition 'Totinama' was created during the reign of \_\_\_\_\_.

- (A)  Babar - (Alternative 2)
- (B)  **Akbar - (Alternative 1)**
- (C)  Aurangzeb - (Alternative 4)

(D)  Humayun - (Alternative 3)

**Question no.28**

1.00

Bookmark

The change in the kinetic energy of an object is equal to the total force on the object. This statement is related-

- (A)  From the Conservation of Mechanical Energy - (Alternative 4)
- (B)  From the work done by different forces - (Alternative 3)
- (C)  **From Work-Energy Theorem - (Alternative 2)**
- (D)  From the principle of energy conservation - (Alternative 1)

**Question no.29**

1.00

Bookmark

Which House is headed by Speaker from both Houses of Indian Parliament?

- (A)  **Lok Sabha - (Alternative 1)**
- (B)  Viceroy House - (Alternative 4)
- (C)  Gram Sabha - (Alternative 2)
- (D)  Rajya Sabha - (Alternative 3)

**Question No.30**

1.00

Bookmark

On what date is the monstrous equinox?

- (A)  21 or 23 June - (Alternative 1)
- (B)  21 or 23 March - (Alternative 4)
- (C)  22 or 23 December - (Alternative 2)
- (D)  **22 or 23 September (Alternative 3)**

**Question No.31**

1.00

Bookmark

What does the word 'khyal' of Hindustani music mean?

- (A)  Beauty - (Alternative 1)
- (B)  Virgo - (Alternative 2)
- (C)  Stress - (Alternative 3)
- (D)  **Imagination - (Alternative 4)**

**Question No.32**

1.00

Bookmark

Which of the following members of the House should not be less than 25 years?

- (A)  Perina House - (Alternative 4)
- (B)  Rajya Sabha - (Alternative 2)
- (C)  Village House - (Alternative 1)
- (D)  **Lok Sabha - (Alternative 3)**

**Question No.33**

1.00

Bookmark

The minimum support price is related-

- (A)  Automobile Industry - (Alternative 4)
- (B)  **Agricultural Production - (Alternative 2)**
- (C)  Petroleum Industry - (Alternative 1)
- (D)  Import and Export - (Optional 3)

**Question No.34**

1.00

Bookmark

Marathon race was introduced in the modern Olympics to keep memory of \_\_\_\_\_ memory memorable.

- (A)  Mark Spitz - (Alternative 4)
- (B)  Emile Jatopec - (Alternative 2)
- (C)  **Fidelipeds - (Alternative 3)**
- (D)  Carl Lewis - (Alternative 1)

**Question No.35**

1.00

Bookmark

What is the maximum number of Rajya Sabha members?

- (A)  225 - (Alternative 4)
- (B)  235 - (Optional 3)
- (C)  **250 - (Optional 2)**
- (D)  245 - (Alternative 1)

**Question No.36**

1.00

Bookmark

Which of the following is a gaseous planet? (Gaseous monster)

- (A)  Mars - (Alternative 1)
- (B)  Pluto - (Alternative 4)
- (C)  **Jupiter - (Alternative 2)**
- (D)  Earth - (Alternative 3)

**Question No.37**

1.00

Bookmark

Health component is measured in 'Human Development Index' (HDI)

- (A)  Absence of Diseases - (Alternative 4)
- (B)  Maternal mortality rate - (Alternative 3)
- (C)  Infant Mortality - (Alternative 2)
- (D)  **Life expectancy at birth - (Alternative 1)**

**Question No.38**

1.00

Bookmark

What is the number of Union Territories in Indian Government?

- (A)  5 - (Optional 3)
- (B)  **7 - (Optional 1)**
-

- (C)  6 - (Optional 2)  
(D)  9 - (Optional 4)

**Question No.39**

1.00

Bookmark

Which combination given in the following options is misconstrued?

- (A)  Silambam-Tamilnadu (Alternative 3)  
(B)  **Lathi-Karnataka - (Alternative 4)**  
(C)  Kalaripattu-Kerala - (Alternative 1)  
(D)  Gatta-Punjab - (Alternative 2)

**Question No.40**

1.00

Bookmark

Which of the following is made of complete electrical decomposition of water in nuclear reactors and used as a controller?

- (A)  Hard Water - (Alternative 3)  
(B)  Mild Water - (Alternative 1)  
(C)  Permanently rigid water - (Alternative 4)  
(D)  **Heavy Water - (Alternative 2)**

**Question No.41**

1.00

Bookmark

Which of the following absorbs the impurities of the color and dissolves the solution?

- (A)  Aluminum - (Alternative 4)  
(B)  Hydrogen - (Alternative 3)  
(C)  Potassium Chloride - (Alternative 1)  
(D)  **Animal Charcoal - (Alternative 2)**

**Question No.42**

1.00

Bookmark

Raja Ravi Verma belongs to the \_\_\_\_\_ state.

- (A)  Telangana - (Alternative 3)  
(B)  **Kerala - (Alternative 2)**  
(C)  Tamil Nadu - (Alternative 1)  
(D)  Andhra Pradesh - (Alternative 4)

**Question No.43**

1.00

Bookmark

What is the outermost layer of earth called?

- (A)  **Bhuppati - (Alternative 1)**  
(B)  Mantle - (Optional 3)  
(C)  Cod - (Optional 4)  
(D)  Lithosphere - (Alternative 2)

**Question no.44**

1.00

Bookmark



What is called the arrangement of ovules inside the ovaries in the plants?

- (A)  Infertilation - (Alternative 3)
- (B)  **Aparānāsa - (Alternative 4)**
- (C)  Couplative Fertility - (Alternative 1)
- (D)  Zygotic generation - (Alternative 2)

**Question No.45**

1.00

Bookmark

According to the WTO, "the movement of goods and services, capital and labor force, unrestricted movement across the boundaries of the country" is called the speed of the economy all over the world-

- (A)  **Globalization - (Alternative 3)**
- (B)  Modernization - (Optional 4)
- (C)  Personalization - (Alternative 1)
- (D)  Liberalization - (Alternative 2)

**Question No.46**

1.00

Bookmark

In the Indian constitution, which original duties were added by the Act?

- (A)  44th Amendment - (Optional 3)
- (B)  41st Amendment - (Optional 1)
- (C)  **42nd Amendment - (Alternative 2)**
- (D)  52st Amendment - (Optional 4)

**Question no.47**

1.00

Bookmark

FCI is currently working on the sale of wheat at the prevailing market in the open market. This is called-

- (A)  Minimum selling price of wheat - (Alternative 4)
- (B)  Gone Sales Program - (Alternative 3)
- (C)  Online Co-Selling Sales - (Alternative 2)
- (D)  **Open Market Sale Scheme - (Optional 1)**

**Question no.48**

1.00

Bookmark

India is the largest producer of raw silk-

- (A)  Haryana - (Alternative 4)
- (B)  Punjab - (Alternative 3)
- (C)  **Karnataka - (Alternative 2)**
- (D)  Kerala - (Alternative 1)

**Question No.49**

1.00

Bookmark

Who was the founder of Tughlaqabad city?

- (A)  Feroz Shah Tughlaq - (Alternative 3)  
(B)  **Gahasudin Tughlaq - (Alternative 1)**  
(C)  Muhammad bin Tughlaq - (Alternative 2)  
(D)  Mahmood Tughlaq - (Alternative 4)

**Question No.50**

1.00

Bookmark

Which governor general did the proclamation of the plan of June 3, 1947?

- (A)  Lord Irwin - (Alternative 4)  
(B)  **Lord Mountbatten - (Alternative 2)**  
(C)  Lord Wavell - (Alternative 1)  
(D)  Lord Linlithgow - (Alternative 3)

**Question No.51**

1.00

Bookmark

On the basis of the logic used in the first pair, select from the substitute alternate question mark in the second pair.

R: H :: Z: ??

- (A)  **P - (Alternative 1)**  
(B)  S - (Alternative 4)  
(C)  R - (Optional 3)  
(D)  Q - (Optional 2)

**Question No.52**

1.00

Bookmark

Find the next number in the following series:

35, 46, 59, 76, 95, ?

- (A)  **118 - (Alternative 1)**  
(B)  122 - (Optional 3)  
(C)  120 - (Optional 2)  
(D)  124 - (Optional 4)

**Question No.53**

1.00

Bookmark

A question has been given in this question and a statement related to it. Read the passage carefully and review the statement based on it.

Using knives and canchas, two Russian astronauts on Tuesday took a sample of substance around a mysterious hole of the spacecraft called the Soyuz, which was erected at the International Space Station. A Moscow official suggested that this disorder could be deliberately done. This space station, standing on the ISS, was detected two months after the last visit of Soyuz, due to the presence of 2 mm in August, the air air leak was detected. Roscosmos, an astronomical institute, says that for the purpose of detecting this small but dangerous hole in the earth or in space, the binding of the insulation on the hole was taken and a sample of the substance around it was taken and replaced. A new insulation was applied. The chief of Roskosmos has said that the error of manufacturing has not been found in the investigation.

Experienced astronauts had to struggle but they managed to succeed in their mission. Before the spacewalk, astronauts were able to test the hole only from within the spacecraft. The most

important difficulty was that the Soyuz spacecraft was not designed to improve the space before the spacewalk, adverse to ISS, and no railing has been installed to catch the space passengers outside the vehicle.

Statement: The size of that mysterious hole was calculated as a large and destructive hole.

Select the most suitable option below.

A-statement is absolutely true.

B-Query is probably true.

C-statement can not be reviewed.

D-statement is completely false.

(A)  **D - (Alternative 4)**

(B)  B - (Alternative 2)

(C)  A - (Alternative 1)

(D)  C - (Alternative 3)

**Question No.54**

1.00

Bookmark

On the basis of the logic used in the first pair, select from the substitute alternate question mark in the second pair.

3104: 64 :: 4401: ??

(A)  80 - (Optional 1)

(B)  90 - (Optional 3)

(C)  **81 - (Alternative 2)**

(D)  100 - (Optional 4)

**Question no.55**

1.00

Bookmark

On the basis of the logic used in the first pair, select from the substitute alternate question mark in the second pair.

Stammer: Speak :: Scrribble: ??

(A)  Walk - (Alternative 2)

(B)  Dance - (Alternative 1)

(C)  Play - (Optional 4)

(D)  **Write - (Optional 3)**

**Question no.56**

1.00

Bookmark

A's sister is married to B's maternal uncle. What is the relationship between A's mother to A's mother?

(A)  **Mother-in-law - (Alternative 4)**

(B)  Grandmother - (Optional 3)

(C)  Aunt - (Alternative 2)

(D)  Mom - (Alternative 1)

**Question no.57**

1.00

Bookmark

Read the given information carefully and answer the questions related to it.

6 employees P, Q, R, S, T and U are sitting on a circular table facing the center so that the interval between each of them is equal. (Not necessarily their order). Everyone has different occupations, such as doctors, teachers, cricketer, professor, driver and engineer.

- i) P is sitting at the fourth position on the right side of the doctor.
- ii) P is not sitting next to the engineer or cricketer.
- iii) S, who is a professor, is sitting next to the engineer.
- iv) R is neither a doctor nor is sitting next to the doctor.
- v) T is sitting second from the right of Q, which is not a teacher.

Who is the cricketer of these?

- (A)  U - (Alternative 4)
- (B)  R - (Optional 3)
- (C)  P - (Alternative 1)
- (D)  T - (Alternative 2)

**Question no.58**

1.00

Bookmark

Find the next number in the following series:

15, 30, 33, 66, 69, ?

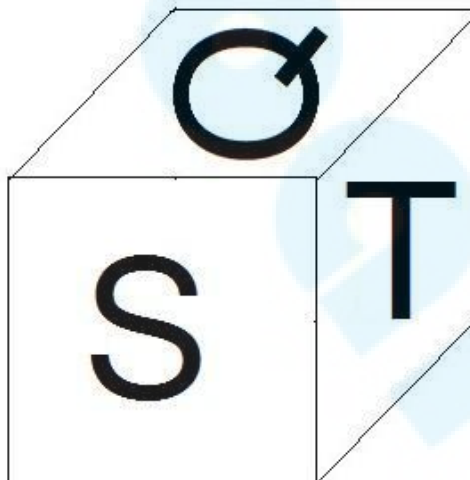
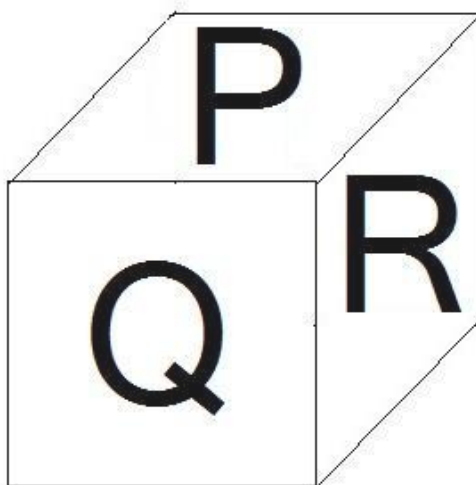
- (A)  138 - (Optional 4)
- (B)  137 - (Optional 3)
- (C)  134 - (Optional 1)
- (D)  136 - (Alternative 2)

**Question No.59**

1.00

Bookmark

According to the diagram shown, six letters P, Q, R, S, T and U are printed on the surfaces of a single dice. What is the letter inscribed on the surface opposite the T face surface?



- (A)  Q - (Optional 2)
- (B)  S - (Alternative 4)

(C)  P - (Alternative 1)

(D)  R - (Optional 3)

**Question No.60**

1.00

Bookmark

ALONG is coded as BNPPH in a fixed code language. How would BIRTH be coded in that same language?

(A)  DKTVJ - (Optional 1)

(B)  CJSUI - (Alternative 2)

(C)  DTKJV - (Alternative 4)

(D)  CKSVI - (Optional 3)

**Question No.61**

1.00

Bookmark

In this question, there are three statements showing the relationship between the letters. Three findings related to them are given i, ii, and iii. Assuming the statements as truth, decide which conclusions are completely true in relation to the statements.

Statement:  $A \geq N > Y$ ;  $Y = B < O$ ;  $O < D = S$

Conclusion:

i)  $A > B$

ii)  $N < O$

iii)  $Y < D$

(A)  I only and iii - (optional 1)

(B)  Only ii and iii - (Alternative 2)

(C)  Only iii - (Alternative 3)

(D)  All - (Optional 4)

**Question No.62**

1.00

Bookmark

In this question, a statement and related two conclusions have been given in the form of i and ii. Assuming the statements given in the statements as true, it is to determine which conclusions are relevant in relation to the statements?

Statement: Today the patient is injected with medication every 20 minutes between 2 pm and 3 pm.

Conclusion:

i) The patient has to be injected 4 times today.

ii) The patient gets injection four times daily.

Select the one most suitable in the following options:

A. The only conclusion i is logical is

B. The only conclusion ii is logical is

C. either the conclusions i or ii is rational

D. Neither conclusion ii nor rational is

E. i and ii both conclusions are rational.

(A)  D - (Alternative 4)

(B)  A - (Alternative 1)

- (C) B - (Alternative 2)
- (D)  C - (Alternative 3)

**Question No.63**

1.00

Bookmark

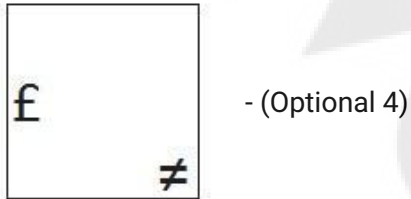
Select the appropriate picture to come forth in the given series with the options?

≠	≠	£	£	£
£	£	≠	≠	≠

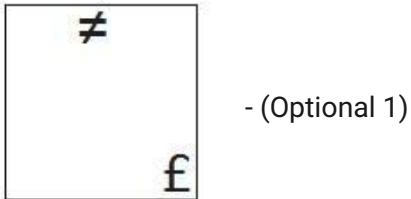
(A)



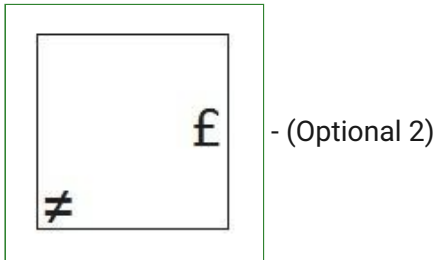
(B)



(C)



(D)



**Question No.64**

1.00

Bookmark

Read the following statements and answer the question on their basis.

- A4B means A is the mother of A,
- A3B means A is B's father,
- A5B means A is B's son,

A7B means A is the daughter of B

Which of the following options represents the equation That's the Father-in-law of P, S?

- (A)  P4Q3R7S - (Optional 1)
- (B)  P5Q5R4S - (Optional 3)
- (C)  **P3Q3R7S - (Alternative 4)**
- (D)  P7Q5R4S - (Optional 2)

**Question No.65**

1.00

Bookmark

Find the next number in the following series:

16, 41, 91, 191, 391, ?

- (A)  792 - (Alternative 4)
- (B)  **791 - (Optional 3)**
- (C)  789 - (Optional 1)
- (D)  790 - (Alternative 2)

**Question No.66**

1.00

Bookmark

Four of the following given below are similar in some way and so they form a group among themselves. Which one is not related to this group?

AFK, NSX, TWZ, PUZ, KPU

- (A)  NSX - (Alternative 1)
- (B)  AFK - (Alternative 4)
- (C)  **TWZ - (Alternative 2)**
- (D)  KPU - (Optional 3)

**Question No.67**

1.00

Bookmark

Introducing the boy, my mother said to her daughter-in-law, "This is the daughter of my only son's daughter." What does my mother's daughter-in-law have to do with that boy?

- (A)  **Mom - (Alternative 1)**
- (B)  Sister - (Alternative 3)
- (C)  Grandmother - (Alternative 2)
- (D)  Aunt - (Alternative 4)

**Question No.68**

1.00

Bookmark

On the basis of the logic used in the first pair, select from the substitute alternate question mark in the second pair.

Car: Wheel :: Bird: ??

- (A)  **Wings - (Alternative 2)**
- (B)  Water - (Alternative 4)
- (C)  Animal - (Alternative 1)
- (D)  Food - (Optional 3)

**Question No.69**

1.00

Bookmark

In this question two statements and two related findings have been given in the form of i and ii. Assuming the statements given in the statements as true, it is necessary to determine which statement is logically logical beyond any doubt?

Statement: All the ants are bees. All bees are insects.

Conclusion:

- i) All ants are insects.
- ii) Some bugs are bees.

Select the most appropriate in the following options:

- A. The only conclusion i is logical is
- B. The only conclusion ii is logical is
- C. either the conclusion i or ii is logical
- D. Neither the conclusions i nor ii is rational
- E. i and ii both conclusions are logical.

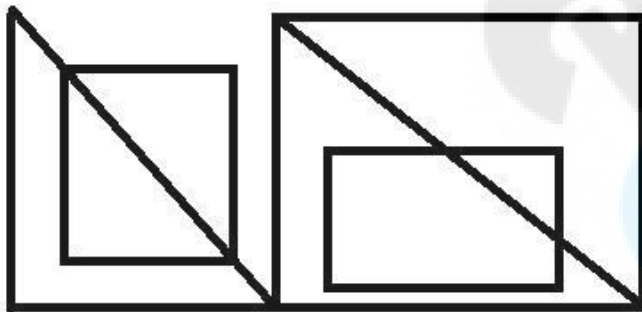
- (A)  A - (Alternative 1)
- (B)  C - (Alternative 3)
- (C)  B - (Alternative 2)
- (D)  E - (Alternative 4)

#### Question No.70

1.00

Bookmark

How many right angled triangles can be made from the given picture?



- (A)  7 - (Optional 4)
- (B)  6 - (Optional 1)
- (C)  5 - (Optional 2)
- (D)  4 - (Optional 3)

#### Question No.71

1.00

Bookmark

Read the given information carefully and answer the questions related to it.

6 employees P, Q, R, S, T and U are sitting on a circular table facing the center so that the interval between each of them is equal. (Not necessarily their order). Everyone has different occupations, such as doctors, teachers, cricketer, professor, driver and engineer.

- i) P is sitting at the fourth position on the right side of the doctor.
- ii) P is not sitting next to the engineer or cricketer.



- iii) S, who is a professor, is sitting next to the engineer.
- iv) R is neither a doctor nor is sitting next to the doctor.
- v) T is sitting second from the right of Q, which is not a teacher.

According to the above arrangement of seating, which of the following combinations are odd?

- (A)  Doctor, cricketer - (Alternative 3)
- (B)  **Driver, Engineer - (Alternative 1)**
- (C)  Professor, Teacher - (Alternative 2)
- (D)  Engineer, Professor - (Alternative 4)

**Question No.72**

1.00

Bookmark

Read the given information carefully and answer the questions related to it.

6 employees P, Q, R, S, T and U are sitting on a circular table facing the center so that the interval between each of them is equal. (Not necessarily their order). Everyone has different occupations, such as doctors, teachers, cricketer, professor, driver and engineer.

- i) P is sitting at the fourth position on the right side of the doctor.
- ii) P is not sitting next to the engineer or cricketer.
- iii) S, who is a professor, is sitting next to the engineer.
- iv) R is neither a doctor nor is sitting next to the doctor.
- v) T is sitting second from the right of Q, which is not a teacher.

Who is sitting at the third position from the left side of the cricketer?

- (A)  Driver - (Alternative 3)
- (B)  **Teacher - (Alternative 2)**
- (C)  S - (Alternative 1)
- (D)  Q - (Optional 4)

**Question No.73**

1.00

Bookmark

From the given figure, choose the right water reflection from the given options.

**ROSIE**

- (A)

ROZIE - (Optional 1)

(B)

ROZIE - (Optional 2)

(C)

ROZIE - (Optional 4)

(D)

ROZIE - (Optional 3)

**Question No.74**

1.00

Bookmark

Four of the following given below are similar in some way and hence they form a group among themselves. Which one is not related to this group?

M, O, S, W, C

- (A)  O - (Alternative 1)  
(B)  S - (Alternative 2)  
(C)  M - (Alternative 4)  
(D)  W - (Optional 3)

**Question No.75**

1.00

Bookmark

A question has been given in this question and a statement related to it. Read the passage carefully and review the statement based on it.

Using knives and canchas, two Russian astronauts on Tuesday took a sample of substance around a mysterious hole of the spacecraft called the Soyuz, which was erected at the International Space Station. A Moscow official suggested that this disorder could be deliberately done. This space station, standing on the ISS, was detected two months after the last visit of Soyuz, due to the presence of 2 mm in August, the air air leak was detected. Roscosmos, an astronomical institute, says that for the purpose of detecting this small but dangerous hole in the earth or in space, the binding of the insulation on the hole was taken and a sample of the substance around it was taken and replaced. A new insulation was applied. The chief of Roskosmos has said that the error of manufacturing has not been found in the investigation.

Experienced astronauts had to struggle but they managed to succeed in their mission. Before the spacewalk, astronauts were able to test the hole only from within the spacecraft. The most important difficulty was that the Soyuz spacecraft was not designed to improve the space during the spacewalk, in response to the ISS, and no railing has been installed to catch the space passengers outside the vehicle.

Statement: Astronauts succeeded in insulation around the hole but failed to collect samples for analysis.

Select the most suitable option below.

A-statement is absolutely true.

B-Query is probably true.

C-statement can not be reviewed.

D-statement is completely false.

(A)  B - (Alternative 2)

(B)  D - (Alternative 4)

(C)  C - (Alternative 3)

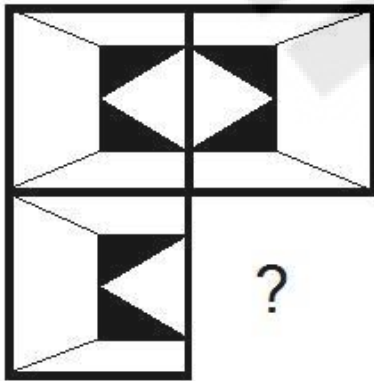
(D)  A - (Alternative 1)

**Question No.76**

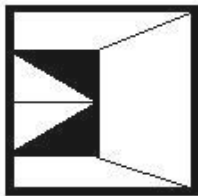
1.00

Bookmark

Select from the selection of the correct shape, which is given the following picture:

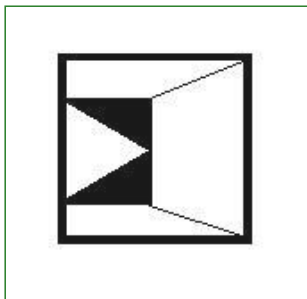


(A)



- (Optional 4)

(B)



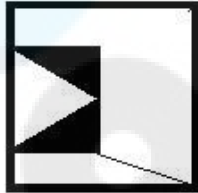
- (Optional 3)

(C)



- (Optional 1)

(D)



- (Optional 2)

**Question No.77**

1.00

**Bookmark**

In this question three statements and related three conclusions have been given. You should consider the things given in the statements as true and to decide which conclusions are logically logical beyond any doubt?

Statement: All green are yellow. Some are yellowish white. All white is black.

Conclusion:

- i) Some are white.
- ii) Some green are black.
- iii) Some are dark yellow.

- (A)  **Only iii - (Alternative 4)**
- (B)  Only i and iii - (Alternative 2)
- (C)  I and ii only - (optional 1)
- (D)  Only ii and iii - (optional 3)

**Question No.78**

1.00

**Bookmark**

In a fixed code language, PITCH is coded as KRGXS. How will RADIO be coded in the same language?

- (A)  IZWSL - (Optional 4)
- (B)  TCWKQ - (Optional 1)
- (C)  **IZWRL - (Optional 2)**
- (D)  TCKWQ - (Optional 3)

**Question No.79**

1.00

**Bookmark**

Find the next number in the following series:  
14, 31, 59, 121, 239,?

- (A)  490 - (Alternative 4)
- (B)  484 - (Optional 3)

(C)  481 - (Alternative 2)

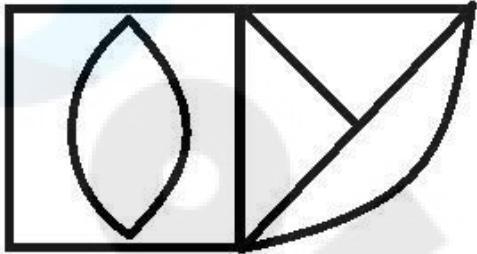
(D)  478 - (Optional 1)

**Question No. 80**

1.00

Bookmark

What is the number of straight lines in the given picture?



(A)  7 - (Optional 2)

(B)  10 - (Optional 4)

(C)  9 - (Optional 1)

(D)  8 - (Optional 3)

**Question No.81**

1.00

Bookmark

If the mirror is placed on the shaded line then the correct mirror image of the given picture will be-

GUINEA



(A)

AENIAG

- (Optional 1)

(B)

AGINEA

- (Optional 4)

(C)

AENIAG

- (Optional 2)

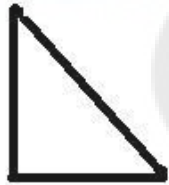
(D)

Question No.82

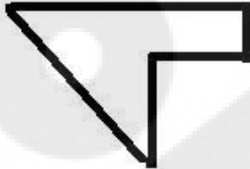
1.00

Bookmark

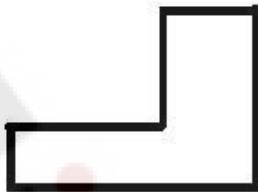
From the following options, select the correct option that creates a perfect square (3 of the 5 images outlined below):



1



2



3



4



5

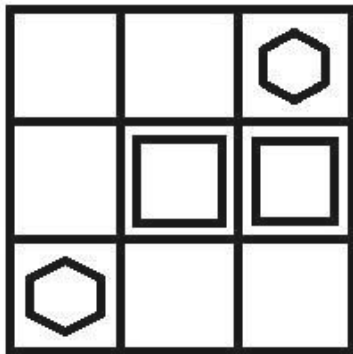
- (A)  1,4,5 - (Alternative 2)
- (B)  2,3,4 - (Optional 1)
- (C)  2,3,5 - (Optional 3)
- (D)  1,2,3 - (Optional 4)

Question no.83

1.00

Bookmark

How many classes are there in the given picture?



- (A)  16 - (Optional 2)
- (B)  13 - (Optional 1)
- (C)  12 - (Optional 3)
- (D)  11 - (Optional 4)

Question no.84

1.00

Bookmark

In this question the relation between the different characters has been given in the statement. Two conclusions related to the statement have been given.

Statement:  $B > E > A = T < I \leq N$

Conclusion:

- i)  $B > T$
- ii)  $B > i$

Select the appropriate from the following options.

- A. The only conclusion i is logical is
- B. only the conclusions ii is logical
- C. Either the conclusions i or ii is rational
- D. Neither conclusion ii nor rational is
- E. i and ii both conclusions are rational.

- (A)  B - (Alternative 2)
- (B)  A - (Alternative 1)
- (C)  D - (Alternative 4)
- (D)  C - (Alternative 3)

Question no.85

1.00

Bookmark

Four of the following given below are similar in some way and so they form a group among themselves. Which one is not related to this group?

Lucky, Unfortunate, Blessed, Prosperous, Opportune

- (A)  Blessed - (Optional 3)
- (B)  Opportune - (Alternative 2)
- (C)  Unfortunate - (Optional 1)
- (D)  Lucky - (Alternative 4)

Question no.86

1.00

Bookmark

45 $\sqrt{3}$  cm If the cuboid is melted by making the cuboid, then its height will be, if the length of the cuboid is equal to the arm of the cube and the width of the cuboid is 22.5 cm. (from cm)

- (A)  92 - (Optional 3)
- (B)  94 - (Alternative 4)
- (C)  90 - (Optional 2)
- (D)  88 - (Alternative 1)

Question No.87

1.00

Bookmark

L. 51 and M. of two numbers 17. If one of them is 17, then find the second number?

- (A)  34 - (Alternative 4)
- (B)  867 - (Optional 3)
- (C)  51 - (Alternative 2)
- (D)  17 - (Optional 1)

Question no.88

1.00

Bookmark

The area of a square piece of glass is  $961 \text{ cm}^2$ , which is placed above a table. The width between the glass and one side of the table is 11 cm. Find the length of the table? (in cm)

- (A)  53 - (Alternative 4)
- (B)  47 - (Optional 1)
- (C)  51 - (Optional 3)
- (D)  49 - (Alternative 2)

**Question No.89**

1.00

Bookmark

Find the value of x:

$$\sqrt{(940-x)} = \sqrt{(926-\sqrt{676})}$$

- (A)  40 - (Optional 1)
- (B)  38 - (Alternative 2)
- (C)  37 - (Optional 3)
- (D)  29 - (Optional 4)

**Question No.90**

1.00

Bookmark

The sum of compound interest and simple interest received in two years on the same amount is Rs. 198. If the interest rate is 6% per annum, then calculate the amount invested (in Rs.)

- (A)  55,000 - (Optional 3)
- (B)  57,500 - (Optional 4)
- (C)  50,000 - (Optional 1)
- (D)  52,500 - (Optional 2)

**Question No.91**

1.00

Bookmark

Simplify:

$$((5^2)^3 \div 25^2) \times ([42-6] \div 6)$$

- (A)  100 - (Optional 1)
- (B)  125 - (Alternative 2)
- (C)  150 - (Optional 3)
- (D)  175 - (Alternative 4)

**Question No.92**

1.00

Bookmark

There are different types of old coins in the ratio of 3: 5: 7 in a box, whose values are Rs 1, Rs 5 and Rs 10 respectively. If the total value of coins kept in boxes is Rs. 2450 If so, then Rs 10 What is the total number of coins of value?



- (A)  184 - (Alternative 4)
- (B)  175 - (Optional 1)
- (C)  178 - (Alternative 2)
- (D)  181 - (Alternative 3)

**Question No.93**

1.00

Bookmark

Instructions: The following times graph shows the figures (in thousand) of papers created between three different companies X, Y and Z, between 2001-2005.

Which company has the lowest average production of five years?



- (A)  X - (Optional 1)
- (B)  Y - (Alternative 2)
- (C)  Z - (Optional 3)
- (D)  None of these - (Alternative 4)

**Question No.94**

1.00

Bookmark

Anita can set a certain distance to its normal speed (9/10) and set it at a normal speed and set it in 25 minutes more than the time it takes. Find the time it takes to determine the same distance during normal speed? (in a minute)

- (A)  226 - (Alternative 4)
- (B)  224 - (Alternative 2)
- (C)  225 - (Optional 3)
- (D)  222 - (Optional 1)

**Question No.95**

1.00

Bookmark

Based on a subsidiary project, there are 217 male and 217 female employees in the English company. The average productivity of all employees is 77 calls / day. If a male employee receives 77 calls / day, how much will the number of calls received by women employees per day?

- (A)  78 - (Optional 3)
- (B)  77 - (Optional 2)
- (C)  76 - (Alternative 1)

(D)  79 - (Alternative 4)

**Question No.96**

1.00

Bookmark

On the compound interest, a sum is doubled to the original amount in 7 years. In how many years will it be 128 times its original amount? (In the year)

- (A)  53 - (Optional 3)
- (B)  55 - (Optional 4)
- (C)  51 - (Alternative 2)
- (D)  49 - (Optional 1)

**Question No.97**

1.00

Bookmark

A person completes his journey in 7.5 hours. He fixed the first part of the journey at a speed of 20 kmph and the second part at a speed of 30 kmph. Find the total distance traveled by him. (in km)

- (A)  170 - (Optional 3)
- (B)  175 - (Alternative 2)
- (C)  165 - (Alternative 4)
- (D)  180 - (Optional 1)

**Question No.98**

1.00

Bookmark

Instructions: The following times graph shows the figures (in thousand) of papers created between three different companies X, Y and Z, between 2001-2005.

Find out the difference between the number of papers produced by Company Z in 2001 and 2002? (In thousand)



- (A)  3 - (Optional 1)
- (B)  6 - (Optional 4)
- (C)  5 - (Optional 3)
- (D)  4 - (Optional 2)

**Question No.99**

1.00

Bookmark

The average weight of 89 notebooks kept in a box is 8.9 kg. In the box 1 notebook and holding, its average weight is 9 kg. Know the weight of the new notebook kept? (in kg)

- (A)  19.9 - (Optional 3)
- (B)  20.9 - (Optional 4)
- (C)  17.9 - (Optional 1)
- (D)  18.9 - (Optional 2)

**Question No.100**

1.00

Bookmark

Which of the following is divisible by 24?

- (A)  109464 - (Optional 4)
- (B)  109644 - (Optional 3)
- (C)  190446 - (Alternative 2)
- (D)  446190 - (Optional 1)

**Question No.101**

1.00

Bookmark

The average of three numbers is 225. If the ratio of second to second is the ratio of 2: 3 and the ratio of the third to the third is 3: 4, then find the second number?

- (A)  75 - (Optional 1)
- (B)  73 - (Optional 3)
- (C)  74 - (Alternative 2)
- (D)  72 - (Alternative 4)

**Question No.102**

1.00

Bookmark

The number of workers working in a farm is increased by 15% and their salary per person is reduced by 15%. By doing so, if the total amount of expenditure for the purpose is reduced by x%, then know the value of x?

- (A)  2.24 - (Optional 1)
- (B)  2.25 - (Optional 2)
- (C)  2.27 - (Optional 4)
- (D)  2.26 - (Optional 3)

**Question No.103**

1.00

Bookmark

54547 divided by 9 What will be the remainder?

- (A)  0 - (Optional 4)
- (B)  4 - (Optional 1)
- (C)  6 - (Optional 2)
- (D)  7 - (Optional 3)

**Question No.104**

1.00

Bookmark

A shopkeeper has an item worth Rs 1,596 By selling it, it receives 14% profit. How much will the half of the purchase price of that item be equal to? (In rupees)

- (A)  650 - (Optional 1)

- (B)  700 - (Alternative 2)  
(C)  800 - (Alternative 4)  
(D)  750 - (Optional 3)

**Question No.105**

1.00

Bookmark

After two consecutive discounts of 10% and 20%, the sale price of an item is Rs. 1,836. Is there. If the purchase price of the item is 50% of the market value, then its purchasing value should be known? (In rupees)

- (A)  1,305 - (Optional 4)  
(B)  1,285 - (Optional 2)  
(C)  1,275 - (Optional 1)  
(D)  1,295 - (Optional 3)

**Question No.106**

1.00

Bookmark

Rs 345 for one item The loss on selling in the same item is Rs 681. 60% of the profit received on sale. Find the purchase price of that item? (In rupees)

- (A)  451 - (Alternative 2)  
(B)  461 - (Optional 3)  
(C)  441 - (Optional 1)  
(D)  471 - (Alternative 4)

**Question No.107**

1.00

Bookmark

The ratio of milk and water to 175 liters is 3: 4. If this ratio changes to 3: 5, then know the amount of excess water mixed in it later? (In liters)

- (A)  27 - (Optional 4)  
(B)  24 - (Optional 1)  
(C)  25 - (Optional 2)  
(D)  26 - (Optional 3)

**Question No.108**

1.00

Bookmark

A bulb manufacturer found that 19% of their total product was faulty. If the number of lossless products is 2025, then find the number of defective products?

- (A)  478 - (Optional 4)  
(B)  477 - (Alternative 3)  
(C)  476 - (Alternative 2)  
(D)  475 - (Optional 1)

**Question No.109**

1.00

Bookmark

If  $x = 0.128888 \dots$ , then find the value of a different number of  $x$ ?

- (A)  126/990 - (Optional 3)  
(B)  116/900 - (Optional 1)  
(C)  136/900 - (Optional 4)

(D)  116/990 - (Alternative 2)

**Question no.110**

1.00

Bookmark

Simplify:

$$\sqrt{(1191 - \sqrt{(1250 - \sqrt{(599 + \sqrt{676}})})})}$$

- (A)  35 - (Optional 3)  
(B)  28 - (Optional 1)  
(C)  **34 - (Alternative 2)**  
(D)  29 - (Optional 4)

**Question No.111**

1.00

Bookmark

There are 10 bangles in a gift box. The average weight of the first 4 bangles is 72 grams and the average weight of the remaining 6 bangles is 73 grams. Find the total average weight of all bangles (in grams)?

- (A)  71.6 - (Optional 3)  
(B)  69.6 - (Optional 2)  
(C)  68.6 - (Optional 1)  
(D)  **72.6 - (Optional 4)**

**Question no.112**

1.00

Bookmark

The length of a floor is 125% of its width. If the area of the floor is  $180 \text{ cm}^2$ , then find the length of the floor and the sum of the width?

- (A)  23 - (Optional 1)  
(B)  **27 - (Optional 3)**  
(C)  29 - (Optional 4)  
(D)  25 - (Optional 2)

**Question No.113**

1.00

Bookmark

An amount was divided between Ankit, Babu, Kristo and David in the ratio of 5: 4: 3: 2. If Kristo received more than Rs 115 from David, how many rupees did Babu get? (In rupees)

- (A)  **460 - (Optional 4)**  
(B)  430 - (Optional 1)  
(C)  450 - (Optional 3)  
(D)  440 - (Alternative 2)

**Question No.114**

1.00

**Bookmark** 

Martin donates 13% of his salary to an institution of blind, 12% of orphans, 14% of the body of the organism, and donates 16% of his salary as a donation in aid of the establishment of a medical camp. | The remaining Rs 19,125 He deposits in the bank for the monthly expenditure. Find the amount given in donation to the institution of the blind. (In rupees)

- (A)  5,535 - (Optional 2)  
(B)  5,545 - (Optional 3)  
(C)  5,525 - (Optional 1)  
(D)  5,555 - (Optional 4)

**Question No.115**

1.00

**Bookmark** 

Anil receives 78 points out of 120 in French, 94 out of 130 in English, 32 in 70 in the Spanish language, and 36 out of 80 in the Japanese language. Find the total percentage of the marks obtained by him? (%In)

- (A)  60 - (Optional 3)  
(B)  65 - (Alternative 4)  
(C)  50 - (Optional 1)  
(D)  55 - (Alternative 2)

**Question no.116**

1.00

**Bookmark** 

A train length 145m crosses a bridge at a speed of 54 kmph in 29 seconds. Find the length of the bridge? (in m)

- (A)  270 - (Optional 1)  
(B)  290 - (Alternative 2)  
(C)  330 - (Alternative 4)  
(D)  310 - (Optional 3)

**Question No.117**

1.00

**Bookmark** 

A person reaches the hospital with a speed of 20 kmph and a delay of 7.5 minutes from the hostel. If he used to ride a bicycle at a speed of 24 kmph, it would reach 7.5 minutes early. Find the distance between the hostel from the college? (in km)

- (A)  34 - (Optional 3)  
(B)  32 - (Alternative 2)  
(C)  36 - (Optional 4)  
(D)  30 - (Optional 1)

**Question no.118**

1.00

**Bookmark** 

Simplify:

$$156 - [6^2 - 5^2 + \sqrt{(121 \div 11 + 110[25 \times 25 \div 625])}]$$

- (A)  124 - (Optional 1)  
(B)  134 - (Optional 4)  
(C)  54 - (Alternative 2)  
(D)  128 - (Optional 3)

**Question No.119**

1.00

Bookmark

Instructions: The following times graph shows the figures (in thousand) of papers created between three different companies X, Y and Z, between 2001-2005.

What percentage increase in production of company X between 2002 and 2005? (Find the percent value up to two digits in decimal)



- (A)  4.20 - (Optional 1)  
(B)  4.30 - (Optional 4)  
(C)  4.23 - (Optional 2)  
(D)  4.27 - (Optional 3)

**Question No.120**

1.00

Bookmark

Invested at 8,000 rupees, simple interest rate of 11% per annum. If after 5 years, that amount is withdrawn and half the amount is invested in the stock market, then what will be the remaining amount (in Rs.)?

- (A)  6,300 - (Optional 3)  
(B)  6,350 - (Optional 4)  
(C)  6,200 - (Optional 1)  
(D)  6,250 - (Optional 2)