



SAMPLE QUESTIONS

Section 1: English

1. What is the time your watch?
Choose the most appropriate preposition to fill up the blank in the above sentence:
(A) in (B) by
(C) on (D) at
2. Which of the following is a complete sentence?
(A) The book on the table.
(B) The book on the table is mine.
(C) On the table.
(D) The book over there.

Section 2: Mathematics

3. My birthday falls on 2nd June. My sister's birthday falls on the month after June. Which month does my sister celebrate her birthday?
(A) August (B) July
(C) May (D) January
4. To get 12, Abirami has to add 3 times.
(A) two (B) three
(C) four (D) five

Section 3: Science

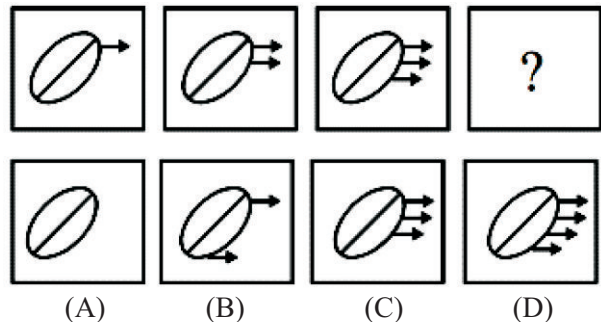
5. Which one of the following statements is wrong?
(A) Cooked food is digested easily
(B) Cooking reduces taste and food flavor
(C) Claypot cooking needs less oil
(D) Roasting and frying are dry heat cooking
6. Pasteurization of milk means
(A) Fat removed milk
(B) Sugar free milk
(C) Pathogen free milk
(D) Protein free milk.

Section 4: Logical Reasoning

Direction: (Question number 7)
First two terms are connected by some relationship. The same relationship is applicable for the next terms, in which one is blank space. Identify the suitable term from the given four alternatives for the blank space.

- 1) A : Z :: E : ?
(A) U (B) V
(C) W (D) T

8. Complete the figural series, choosing the correct figure from the given alternatives.



Section 5: General Knowledge

9. Which of the following statues was gifted by France?
- (A) Motherland Statue, Russia
(B) Statue of Liberty, USA
(C) Statue of Mermaid, Denmark
(D) Statue of Sardar Vallabhbhai Patel, India
10. Which of the following is not a correct match?
- (A) Japan - Tokyo
(B) China - Beijing
(C) Germany - Bonn
(D) Spain - Madrid

Section 6: Extrapolative Questions

11. Pickout the correct matching in the following:
- (a) Rough material (i) Mirror
(b) Smooth material (ii) Electrical wire
(c) Flexible material (iii) gold plate
(d) Shiny material (iv) Brick
- (A) a (iii) (b) (ii) (c) (iv) (d) (i)
(B) a (ii) (b) (iv) (c) (iii) (d) (i)
(C) a (i) (b) (iii) (c) (iv) (d) (ii)
(D) a (iv) (b) (i) (c) (ii) (d) (iii)
12. The principal of your school orders badges for 52 students to be worn for a mass drill. The badges are always sold in packets of 10. How many packets should your principal order to avoid a shortfall?
- (A) 6 (B) 5
(C) 4 (D) 3



SAMPLE QUESTIONS

Section 1: English

1. Every student should bring own stationery to the examination hall.
- (A) his (B) her
(C) their (D) either a or b
2. Which word in the following sentence is an adverb?
Sara plays the violin beautifully.
- (A) plays (B) violin
(C) beautifully (D) Sara.

Section 2: Mathematics

3. If Vaishali bought 4 strips of iron tablets costing Rs 19.64, then find the cost of one strip of iron tablets.
- (A) Rs 5.2 (B) Rs 4.51
(C) Rs 4.91 (D) Rs 5.21
4. Sita put Rs 4 on the first day, Rs 6 on the second day, Rs 8 on the third day and so on, for eight days in her piggy bank. Radha put Rs 18 each day, for five days, in her piggy bank. How much more did Radha save than Sita?
- (A) Rs 2 (B) Rs 72
(C) Rs 50 (D) Rs 5

Section 3: Science

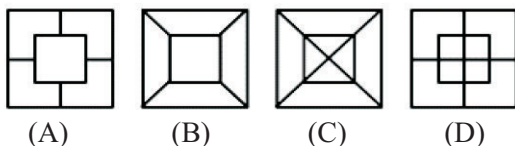
5. A correct statement among the following is
- (A) Cotton, jute and coir are artificial fibres
(B) Rayon, nylon and dacron are plant fibres
(C) Wool and silk are animal fibres
(D) Fibres from plants are artificial fibres
6. Sandy soil is not suitable for plant growth. Why?
- (A) Its porosity is high so it does not hold water.
(B) It does not contain organic matter which is necessary for plant growth.
(C) Both a and b
(D) It contains excessive mineral that are acting as poison to the plant.

Section 4: Logical Reasoning

Direction: (Question number 7)

First two terms are connected by some relationship. The same relationship is applicable for the next terms, in which one is blank space. Identify the suitable term from the given four alternatives for the blank space.

- 1)  :  ::  : ?



(A) (B) (C) (D)

8. In the following question, three terms are alike in some way and so form a group while one is different from others. Identify the term that does not belong to the group.

(A) Tennis (B) Badminton
(C) Cricket (D) Hockey

Section 5: General Knowledge

9. The name of the movie series based on J. K. Rowling's novels is
- (A) Harry Potter
(B) Avengers
(C) Star Wars
(D) James Bond
10. Rabindranath Tagore is the author of National Anthems of which two countries?
- (A) India and Nepal
(B) India and Pakistan
(C) India and Bhutan
(D) India and Bangladesh

Section 6: Extrapolative Questions

11. Which of the following are correct statements ?
- (1) Jute is used for making carpets and curtains
(2) Nylon is a natural fibre
(3) Coir is used for making surgical bandages
(4) Corn syrup is used as a sweetener
- (A) (1) and (3) only
(B) (2) and (4) only
(C) (2) and (3) only
(D) (1) and (4) only
12. A courier service company delivers 4,826 parcels per day. How many parcels will it deliver in 64days?
- (A) 3,08,846 (B) 3,08,764
(C) 3,08,864 (D) 3,08,746



SAMPLE QUESTIONS

Section 1: English

1. He is honest man.
(A) the (B) an
(C) a (D) None of the above
2. The children had never seen such a huge building.
The type of this sentence is.....
(A) Exclamatory (B) Imperative
(C) Interrogative (D) Declarative
3. Choose the correct Reported speech of the following utterance:
Our Geography teacher says,
“The Earth is spherical in shape”.
(A) Our Geography teacher says that the Earth was spherical in shape.
(B) Our Geography teacher says that the Earth has been spherical in shape.
(C) Our Geography teacher says that the Earth is spherical in shape.
(D) Our Geography teacher said that the Earth had been spherical in shape.

Section 2: Mathematics

4. A piece of string is 840 cm long. If the string is used to form a regular pentagon, find the length of each side.
(A) 168 cm (B) 210 cm
(C) 140 cm (D) 105 cm
5. If the width of a rectangle is $14x + 4$, for what value of x , will this become a square.
(A) 2 (B) 3
(C) 4 (D) 5
6. In a test, a student gets 3 marks for each correct answer and -2 mark for each incorrect answer. If he answered 7 questions correctly and 4 questions incorrectly, what is his total score?
(A) 21 (B) 13
(C) 12 (D) 17

Section 3: Science

7. The bowler throwing the ball to the batsman is an example of..... motion.
(A) Curvilinear (B) Oscillatory
(C) Zigzag (D) Circular
8. Which one of the following organisms is closely related to housefly?
(A) prawn (B) earthworm
(C) sparrow (D) starfish
9. Which one of the following is NOT a mixture?
(A) Lemon juice (B) Tincture of iodine
(C) Air (D) Water

Section 4: Logical Reasoning

10. If $\text{BOOK} = 43$, $\text{PEN} = 35$, then $\text{BOX} = ?$

- (A) 48 (B) 47
(C) 41 (D) 51

11. Ambika starts walking straight towards East. After walking 65 metres, she turns to the left and walks 20 metres. Again, she turns to the left and walks a distance of 30 metres straight. Again, she turns to the left and walks a distance of 20 metres. How far she is from starting point?

- (A) 45m (B) 35m
(C) 40m (D) 30m

Section 5: General Knowledge

12. Which of the following games is also known as Tennikoit?

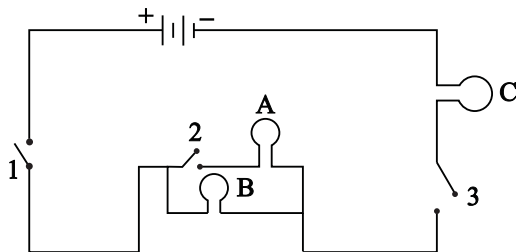
- (A) Ice Hockey (B) Table Tennis
(C) Ring Tennis (D) Croquet

13. Which part of your eye is also the name of a Greek mythological character?

- (A) Iris (B) Cornea
(C) Pupil (D) Retina

Section 6: Extrapolative Questions

14. By closing key 1 and key 3



- (A) Bulb A and Bulb B will glow
(B) Bulb A and Bulb C will glow
(C) Bulb B and Bulb C will glow
(D) No bulb will glow

15. Jaya is 14 years old now. Her uncle is three times as old as she is. What will the ratio of Jaya's age to her uncle's age be in 10 years' time?

- (A) 6 : 13 (B) 42 : 14
(C) 21 : 7 (D) 42 : 24



SAMPLE QUESTIONS

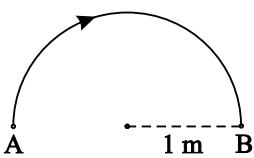
Section 1: English

1. Choose the correct form of the be verb from the options to fill up the blank:
The number of students in my class
thirty-five.
(A) are (B) is
(C) am (D) be
2. Choose the correct adjective from the options to fill up the blank:
My school is at distance from my home.
(A) walkable (B) walky
(C) walkful (D) walking
3. Find the word with a suitable prefix to form the opposite of the word from the options:
Balance
(A) non-balance (B) disbalance
(C) imbalance (D) unbalance

Section 2: Mathematics

4. The sum of the three consecutive integers is 282. Find the middle number.
(A) 93 (B) 95
(C) 94 (D) 91
5. Shane saves Rs 15,300 from his salary. If this is 30% of his salary, what is his salary?
(A) 50,000 (B) 51,000
(C) 52,000 (D) 53,000
6. John has $\frac{3}{4}$ litres of mango juice in the refrigerator. How many glasses can he fill if each glass holds $\frac{1}{20}$ litres?
(A) 5 glasses (B) 10 glasses
(C) 15 glasses (D) 20 glasses

Section 3: Science

7. A person is travelling along the circular arc from A to B as shown in the figure.
- 
- The distance and displacement of this journey respective are (in meter)
- (A) ,2 (B) 2,
(C) 2,2 (D) ,0
8. Which one of the following pairs of elements have the same number of neutrons?
(A) ${}_5\text{B}^{11}$ and ${}_6\text{C}^{12}$ (B) ${}_4\text{Be}^9$ and ${}_7\text{N}^{14}$
(C) ${}_{16}\text{S}^{32}$ and ${}_{18}\text{Ar}^{38}$ (D) ${}_{12}\text{Mg}^{24}$ and ${}_{15}\text{P}^{31}$
9. Which one of the following is usually developing in our body against disease?
(A) nothing will be developing in our body
(B) antipyretic substances will be developing
(C) antibiotics will be developing
(D) antibody will be developing.

Section 4: Logical Reasoning

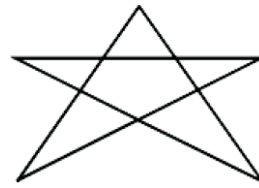
Direction : (Question No. 10)

In the following question the numbers are arranged in a sequence based on certain principle. Find the next term of the series.

1) 3, 6, 8, 16, 18, ?

- (A) 36 (B) 38
(C) 40 (D) 42

11. How many triangles are there in the given figure?



- (A) 10 (C) 6
(B) 5 (D) 8

Section 5: General Knowledge

12. Which of our former Prime Ministers died in a foreign country?
(A) Lal Bahadur Shastri
(B) Morarji Desai
(C) Charan Singh
(D) Rajiv Gandhi
13. Which of the slogans is not correctly matched with their companies?
(A) Disney - Happiest Place on earth
(B) Nike - Just do it
(C) Samsung - Do what you can
(D) De Beers - A Diamond is forever

Section 6: Extrapolative Questions

14. Assertion: Mercury is used in laboratory thermometers.
Reason: Mercury is silvery in colour and is attractive in appearance.
(A) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.
(B) Both Assertion and Reason are true and Reason is NOT the correct explanation of Assertion
(C) Assertion is true but Reason is false
(D) Assertion is false but Reason is true
15. Naveen had 24 pink pens and 36 black pens. He bought 27 black pens. How many more pink pens does he have to buy so that the ratio of the pink and black pens remains the same?
(A) 18 (B) 24
(C) 42 (D) 39



SAMPLE QUESTIONS

Section 1: English

1. Fill in the blanks with correct present tense forms of the verb from the given options:
At the moment, the child (play) in the garden.
(A) playing (B) plays
(C) is playing (D) has been playing
2. Which of the following is a PHRASE?
(a) I was embarrassed (b) I arrived late
(c) I forgot my present (d) at the party
3. Find the compound word that can be formed from these four words:
GREEN, HOPPER, GRASS, GROUND
(A) groundgrass (B) grasshopper
(C) greenhopper (D) greenground

Section 2: Mathematics

4. Given that $\frac{x}{2}$ is greater than or equal to $0.\overline{75}$ but less than 2.5. Write down the value of x , if x is the smallest rational number.
(A) $\frac{25}{33}$ (B) $\frac{5}{2}$
(C) $\frac{50}{33}$ (D) $\frac{5}{33}$
5. What least number must be subtracted from 8,678 to get a perfect square?
(A) 19 (B) 23
(C) 27 (D) 29
6. A car travelling at a constant speed covers 520 km in 13 hours. Find the distance it will cover in 6 hours.
(A) 240 km (B) 230 km
(C) 200 km (D) 250 km

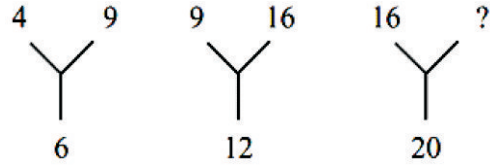
Section 3: Science

7. Refractive index of glass with respect to refractive index of water is $\frac{9}{8}$. The refractive index of water is $\frac{4}{3}$. What is the speed of light in glass?
(A) 3×10^8 m/s (B) 3×10^8 m/s
(C) 2.5×10^8 m/s (D) 3×10^8 m/s
8. A correct statement among the following is
(A) Nitric acid present in our stomach helps in the digestion of food materials.
(B) Sodium hydroxide is used for making bathing soaps.
(C) Hydrochloric acid is called the king of acids
(D) Magnesium hydroxide is used as an antacid
9. In our body the transport system consists of many components. What type of organization it is?
(A) cellular level of organization
(B) tissue level of organization
(C) organ level of organization
(D) organ system level of organization.

Section 4: Logical Reasoning

10. M is brother of N; B is brother of N ; M is brother of D. Which of the following is definitely true?
- (A) N is brother of B
(B) N is brother of D
(C) M is the brother of B
(D) D is the brother of M

11. In the following figure, the numbers are arranged according to certain rule. Find the missing number in place of “?” from the alternatives given.



- (A) 21
(B) 25
(C) 35
(D) 45

Section 5: General Knowledge

12. Which of the following sayings is attributed to Martin Luther King Jr.
- (A) Yes we can
(B) I have sinned
(C) I have a dream
(D) I am prepared to die
13. Which of the following Nobel Prize winners and their fields does not match correctly?
- (A) Roentgen - Physics
(B) Amartya Sen - Economics
(C) Mother Teresa - Peace
(D) Madam Curie - Medicine

Section 6: Extrapolative Questions

14. Assertion: Fuse is a strip of alloy wire which is made up of lead and tin
Reason (1): lead-tin alloy has high resistance
Reason (2): lead-tin alloy has low melting point
- (A) Both Assertion, Reason 1 & Reason 2 are true and Reason 1 & Reason 2 are the correct explanation of Assertion A.
(B) Both Assertion, Reason 1 & Reason 2 are true but Reason 1 is the correct explanation for the assertion.
(C) Both Assertion, Reason 1 & Reason 2 are true but Reason 2 is the correct explanation of the Assertion.
(D) Assertion is not true but Reason 1 & Reason 2 are true
15. 15 men working 12 hours a day need 44 days to build a house. If 10 men and 16 women are employed to work $7\frac{1}{2}$ hours a day, how long will they take to build the house supposing that 3 men can do as much work as 4 women?
- (A) 48 days
(B) $40\frac{1}{3}$ days
(C) 24 days
(D) $18\frac{3}{4}$ days



SAMPLE QUESTIONS

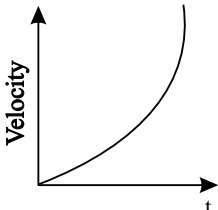
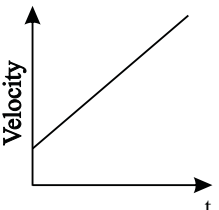
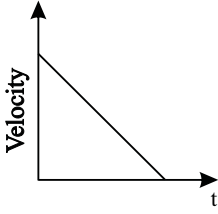
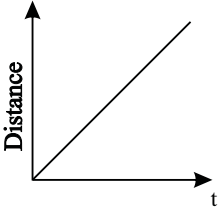
Section 1: English

1. You are requested to..... your shoes before entering.
(Choose the best Prepositional Verbs from the options to fill in the blank)
(A) take off (B) take on
(C) put on (D) throw off
2. Which of the following sentences has a wrong homonym in it?
(A) Which is the best flour for baking bread?
(B) The bird is suffering from flew.
(C) He is the sole owner of the company.
(D) She works on weekends in a stationary store.
3. Identify the compound word from the four options.
(A) running (B) rainfall
(C) yesterday (D) kitchen

Section 2: Mathematics

4. If the triangles ABC and DBC are on the same base BC such that $AB = DC$ and $AC = DB$, then which of the following is true?
(A) $\triangle ABC \cong \triangle DBC$ (B) $\triangle ABC \cong \triangle CBD$
(C) $\triangle ABC \cong \triangle DCB$ (D) $\triangle ABC \cong \triangle BCD$
5. The ratio of volumes of two cones is 4 : 5 and the ratio of the radii of the bases is 2 : 3. Find the ratio of their heights.
(A) 8 : 15 (B) 11 : 10
(C) 7 : 8 (D) 9 : 5
6. If $x + y = 16$ and $xy = 48$, find the value of $x^2 - xy + y^2$.
(A) 210 (B) 110
(C) 212 (D) 112

Section 3: Science

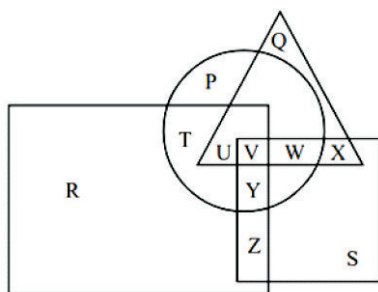
7. A particle is falling freely from height h to the ground. Which of the following graph correctly represents the motion? [neglect air resistance]
- (a)  (b) 
- (c)  (d) 
8. Identify the correct match in the following
(A) Sodium carbonate (i) preservative
(B) Bleaching powder (ii) bone fracture
(C) Sodium bicarbonate (iii) disinfectant
(D) Plaster of paris (iv) softening hard water
(E) Sodium chloride (v) soda-acid fire extinguishers

- (A) a (iii) (b) (iv) (c) (v) (d) (i) (e) (ii)
(B) a (iv) (b) (iii) (c) (v) (d) (ii) (e) (i)
(C) a (ii) (b) (v) (c) (i) (d) (iv) (e) (iii)
(D) a (v) (b) (i) (c) (iv) (d) (ii) (e) (iii)

9. Assertion (A): At cancerous tissue mitotic cell division occurs.
Reason (R): It adds cells continuously to form lump.
- (A) Both A and R are true but R does not explain A
(B) Both A and R are false.
(C) A is true but R is false
(D) Both A and R are true; R explains A

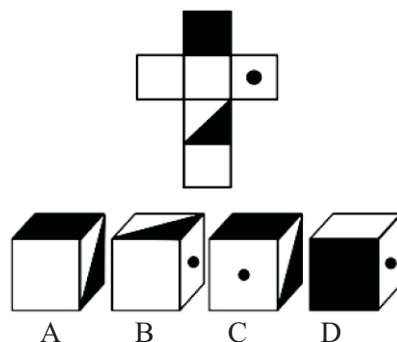
Section 4: Logical Reasoning

10. In the given figure, Circle represents persons having Car, triangle represents persons having Motor cycle, square represents persons having Autorickshaw, rectangle represents persons having Cycle. Find the region where persons having Car, Motor Cycle, Cycle but not Autorickshaw.



- (1) V (2) W
(3) X (4) U

11. The figure given in each problem is folded to form a box. Choose amongst from the alternatives, the boxes that are similar to the box formed.



- (A) A and C only
(B) B, C and D only
(C) B and D only
(D) C and D only

Section 5: General Knowledge

12. Who was the first to circumnavigate the earth?
(A) Vasco da Gama
(B) James Cook
(C) Christopher Columbus
(D) Ferdinand Magellan
13. Which was the first private T. V. Channel of India?
(A) STAR TV (B) Zee TV
(C) Sun TV (D) C.N.N.

Section 6: Extrapolative Questions

14. Assertion: Two current carrying conductors of same length, one is made up of copper and other of aluminum are placed in a constant magnetic field. For both conductors, current is same, But copper is experiencing greater force than aluminum.
Reason: copper has less resistance than aluminum.
(A) Both Assertion and Reason are true and Reason is the correct explanation of Assertion
(B) Both Assertion and Reason are true but Reason is NOT correct explanation of Assertion
(C) Assertion is true but Reason is not true
(D) Assertion is NOT true but Reason is true
15. A number consists of two digits whose sum is 8. If 18 is added to the number, the digits are reversed. Find the number.
(A) 35 (B) 25
(C) 40 (D) 30



SAMPLE QUESTIONS

Section 1: English

1. From the options, choose the correct simple sentence form of the following complex sentence:
When the man saw his young grandchild, he smiled with happiness.
- (A) The man saw his young grandchild and smiled with happiness.
(B) The man seeing his young grandchild, smiled with happiness
(C) The man saw his young grandchild smiling with happiness.
(D) Seeing his young grandchild, the man smiled with happiness..
2. Choose from the options the correct meaning of the idiom 'the apple of one's eye'
- (A) very dear
(B) a tearful eye
(C) the most tender part of the eye
(D) None of the above
3. Unscramble the letters to form a meaningful word:
- (A) Lawcr
(B) Wracl
(C) Crawl
(D) Awrc1

Section 2: Mathematics

4. A man takes $4\frac{1}{2}$ hours less for a journey of 108 km if his speed is increased by 2 km per hour from his original speed. Find his original speed.
- (A) 4 km/h (B) 5 km/h
(C) 6 km/h (D) 8 km/h
5. The number 6,705 and 2,757 leave a remainder of 9 when divided by a number N. What is the largest such number N?
- (A) 8 (B) 10
(C) 12 (D) 13
6. Find the mean of a distribution whose mode is 35 and median is 21.
- (A) 38 (B) 32
(C) 25 (D) 14

Section 3: Science

7. Which of the following statements are wrong?
- (1) Blue vitriol is $\text{CuSO}_4 \cdot 10\text{H}_2\text{O}$
(2) White vitriol is $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
(3) Green vitriol is $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
(4) Gypsum is $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
- (A) 1, 2 & 3 only (B) 2, 3 & 4 only
(C) 1, 2 & 4 only (D) 3 & 4 only
8. What is the advantage of presence of 4 chambered heart in our body?
- (A) it is maintaining continuous supply of blood.
(B) it is regulating continuous supply of blood to brain.
(C) it is maintaining complete separation of oxygenated blood from deoxygenated blood.
(D) it has no advantage.

9. Suppose you are in some unknown planet and you would like to calculate the acceleration due to gravity (g') on its surface. If the density of the planet is twice of that of earth and the radius half the radius of the earth, then
- (A) $g' = 2g$ (B) $g' = \frac{g}{2}$
 (C) $g' = g$ (D) $g' = 4g$

Section 4: Logical Reasoning

10. In the question below, there are three statements followed by four conclusions numbered I, II, III, and IV. You have to consider every given statement as true, even if it does not conform to the well-known facts. Read all the conclusions and then decide which of the conclusions can be logically derived from the given statements.

Statements:

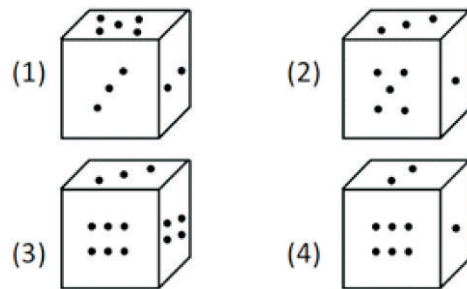
All pens are stories

All prose are pens

Conclusions:

- I Some prose are stories
 II All stories are prose

- (A) Only Conclusion I follows
 (B) Only Conclusion II follows
 (C) Both Conclusion I and II follow
 (D) Neither Conclusion I nor II follows
11. If the total number of dots on opposite faces of a cubical block is always 7, find the figure which is correct?

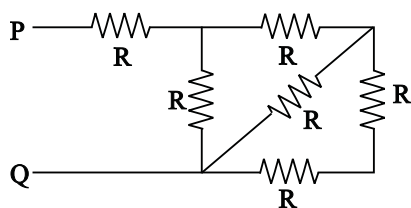


Section 5: General Knowledge

12. For which musical instrument was Bismillah Khan famous?
 (A) Sitar (B) Santoor
 (C) Tabla (D) Shehnai
13. The motto of Olympic Games is 'Faster, Higher, Stronger'. A fourth motto has been added at the Tokyo Olympics. What is it?
 (A) Ever (B) Together
 (C) Conquer (D) Newer

Section 6: Extrapolative Questions

14. What is the equivalent resistance across P and Q in the given following resistor network?



- (A) $\frac{5}{3} R$ (B) $\frac{10}{3} R$
 (C) $\frac{13}{8} R$ (D) $\frac{5}{8} R$
15. Which of the following trigonometric ratios is equal to $8 \cos 32^\circ - 4 \sin 58^\circ$?
 (A) $4 \cot 32^\circ$ (B) $4 \sin 32^\circ$
 (C) $4 \sin 58^\circ$ (D) $4 \cot 58^\circ$