

**Class: VI**

**Duration: 60 Min**

**M.M: 150**

<b>Subjects</b>		
<b>Mental Ability</b>	<b>Mathematics</b>	<b>Science</b>

**General Instructions:**

1. The Test is of 1 hour duration.
2. This Test Consist of three sections, section-A (Mental Ability), section-B (Mathematics) & Section-C (Science).
3. All three sections Consist of 5 Marks for each question.
4. There will be only one correct choice in the given Sections for each questions.
5. Use Blue/Black Ball Point Pen only for writing particulars/making responses on side-1 and side-2 of the answer sheet. Use of Pencil is strictly prohibited.
6. No candidate is allowed to carry any textual material, printed or written, bits of papers, paggers, any electronic device, etc. Except the admit card inside the examination hall/room.
7. Rough work is to be done on the space provided for this purpose on this test booklet only.
8. On completion of the test, the candidate must handover the answer sheet to the invigilator on duty in the room/hall. Candidates are allowed to take away the test booklet with them.
9. Do not fold or make any stray marks on the Answer Sheet
10. Make sure to fill all you details properly in OMR SHEET/Answer Sheet as per the given columns.

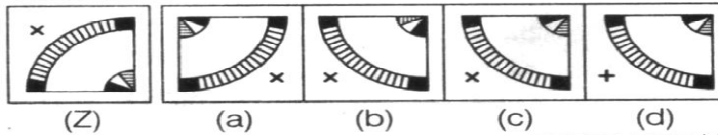
**Section- A (Mental Ability)**

1. If 'diamond' is called 'gold', 'gold' is called 'silver', 'silver' is called 'ruby' and 'ruby' is called 'emerald', which is 'golden yellow metal'?  
(a) Diamond            (b) silver            (c) Gold            (d) Ruby
2. In certain code 'COURT' is written as 5%@38 and TILE is written as 8©\$4. How is CITE written in that code? (a)  
5\$84    (b)            5%84    (c)            5©84    (d)            3©84
3. Choose the word which is least like the other words in the group.  
(a) Apple            (b) Carrot            (c) Orange            (d) Guava
4. In the series given below, how many 8's are there which are exactly divisible by its immediate preceding as well as succeeding numbers?  
2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6  
(a) One            (b) Two            (c) Three            (d) Four
5. Pointing to a photograph, a woman says, "This man's son's sister is my mother". How is the woman related to the man in the photograph?  
(a) Daughter            (b) Mother            (c) Granddaughter (d) Mother-in-law
6. Sixty students were there in a mental ability test. Ten students did not qualify, out of remaining Yogesh ranked 25th from the last. What was his rank from top?  
(a) 27th            (b) 26th            (c) 29th            (d) 28th

7. Insert the missing letter or numerical value in following questions  
 (a) N (b) O (c) P (d) Q

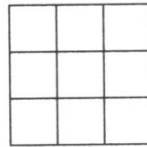
A	F	K
C	H	M
F	K	?

8. Umesh goes 30 m South, then turns left and walks 40 m, than again turns left and walks 20 m, then again turns left and walks 40 m. How many metres is he from his original position?  
 (a) 0 (b) 10 (c) 20 (d) 40
9. Choose the correct water image of the figure (Z) from amongst the four alternatives (a), (b), (c) and (d) given along with it



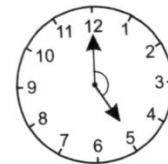
10. How many squares are present in the given figures?

- (a) 9 (b) 10 (c) 11 (d) 14



### Section- B (Mathematics)

- Find first five consecutive even numbers.  
 (a) 2, 6, 8, 12, 24 (b) 2, 4, 6, 8, 10 (c) 2, 4, 10, 14, 16 (d) 2, 6, 8, 10, 12
- Which one of the following is coefficient of  $y$  in the expression  $2 - 3y + z$ ?  
 (a) 2 (b) 1 (c) -3 (d) -1
- In the options given below the pair of angles are given. Find the complementary pair.  
 (a)  $51^\circ$  and  $25^\circ$  (b)  $61^\circ$  and  $29^\circ$  (c)  $45^\circ$  and  $55^\circ$  (d)  $65^\circ$  and  $35^\circ$
- Expanded form of 37034 is .....  
 (a)  $3000 + 700 + 0 + 30 + 4$  (b)  $30000 + 700 + 0 + 10 + 4$   
 (c)  $30000 + 1000 + 0 + 70 + 4$  (d)  $30000 + 7000 + 0 + 30 + 4$
- Which of the following properties are NOT applicable to the subtraction of whole numbers?  
 (a) Closure property (b) Commutative property  
 (c) Associative property (d) All of these
- Which angle is shown by the hands of the clock in the given figure?  
 a. Acute (b) right  
 (c) obtuse (d) reflex



7. The Delhi School's football team washed cars every Saturday for a month to raise money for the local children 's hospital . The students charged Rs. 5 for each car they washed. The pictograph below shows the total number of cars washed by the team. What is the total amount of money raised by the football team?

- (a) Rs. 120 (b) Rs. 300  
 (c) Rs.550 (d) Rs. 600

Saturday	Number of Cars Washed
1	
2	
3	
4	

Key = 10 Cars

8. The basic elements of a triangle are .....
- a. 3 vertices (b) 3 sides (c) 3 angles (d) All of these
9. Three men are having the money in the ratio of 2 : 3 : 5. Find the amount of money from each of them, if the sum of money is Rs. 5600.
- (a) Rs. 1120, Rs. 1680 & Rs. 2800 (b) Rs. 1220, Rs. 1780 & Rs. 3800  
(c) Rs. 1020, Rs. 1640 & Rs. 2900 (d) Rs. 3120, Rs. 2680 & Rs. 1800
10. Find the total weight of the following goods.

Goods	Weights
A music system	15.007 kg
A television set	18.465 kg
Bedding	55.600 kg

- (a) 79.104 kg (b) 97.505 kg (c) 89.072 kg (d) 78.678 kg

### Section- C (Science)

1. The animal 'Crocodile' belongs from which one of the following categories?
- (a) Herbivores (b) Carnivores (c) Omnivores (d) All of these
2. Choose the omnivores from the following.
- a. Tiger shark (b) King cobra (c) Horse (d) Ant
3. Tea leaves are separated from tea using a tea-strainer. This method of separation is known as:
- a. Distillation (b) Decantation (c) Filtration (d) Loading
4. Which one of the following is an example of heterogeneous mixture?
- a. Milk (b) Blood (c) Air (d) Muddy water
5. Which one of the following is an example of marine habitats?
- a. Ocean (b) Seas (c) Ponds (d) Both (a) and (b)
6. Which type of force is experienced when a south pole of a magnet is brought near the south pole of another magnet?
- (a) Force of attraction (b) Force of repulsion  
(c) No force is experienced (d) Both A and B
7. Which of the following statements is/are correct?
- (i) The soft substance present inside the bones is called bone marrow.  
(ii) Floating ribs are the last three pairs of the ribs that are not joined to the breastbone.  
(iii) The only movable bone in skull is the upper jaw bone.  
(iv) The longest bone in the body is humerus.
- (a) (iii) only (b) (i) only (c) (i) and (ii) (d) (iii) and (iv)
8. You should not store a floppy disk near a magnet because
- (b) The magnet will rust  
(b) The magnet will become weaker  
(c) The information in the disk may be erased  
(d) The magnet will break the disk
9. Cactus plant grows in the desert where there is scarcity of water. To prevent loss of water from the surfaces, leaves are modified to become spines. Then, which part of the cactus plant performs photosynthesis?
- a. Spines (b) Roots (c) Flowers (d) Stem
10. Which of the following options contains food obtained from roots of the plant?
- a. Spinach, cabbage, coriander (b) Potato, mango, broccoli  
(c) Sugarcane, onion, beetroot (d) Radish, turnip, carrot



Knewton Academy  
For IIT/JEE/NEET/NTSE/FOUNDATION

Knewton Academy Excels in **IIT - JEE** | **NEET** | **KVPY**  
**OLYMPIADS** | **NTSE** | **FOUNDATION** | **JSTSE**  
**IMO&ISO**



Knewton Academy  
For IIT/JEE/NEET/NTSE/FOUNDATION

*Our Centres*




Knewton Academy  
For IIT/JEE/NEET/NTSE/FOUNDATION

*Our Campus*




**STUDY MATERIAL AVAILABLE**

CHEMISTRY

BOTH IN HARD COPY & SOFT COPY

ONLINE LIVE SESSIONS

RECORDED LECTURES

PHYSICS



**MENTORING**

PERSONAL MENTORING

STRATEGIC PREPARATION

EXPERIENCED GUIDANCE



**REGULAR ASSESSMENT SESSIONS**

- Solve Personalised Question
- Revise Concepts
- Complete Homework
- Earn Certificates & more



**BEST FOR**

**6th, 7th, 8th, 9th  
10th, 11th & 12th**

**Students**

**Knewton Academy Excels in : IIT-JEE | NEET | CUET | NTSE | JSTSE | OLYMPIADS | KVPY | IMO&ISO | FOUNDATION**  
**Our Centres:** Saket | Lajpat Nagar | Kalu sarai | Pitampura | MayurVihar | Gurgaon | Laxmi Nagar | Janakpuri | Punjabi Bagh  
**Contact:** 011-46575823 | +91-9911625728 | Instagram: Knewton\_Academy | FB: KnewtonAcademyIN  
**Website:** [www.knewtonacademy.co.in](http://www.knewtonacademy.co.in) | **Email:** [info@Knewtonacademy.co.in](mailto:info@Knewtonacademy.co.in)