

Total Questions : 50

Time : 1 hr.

## PATTERN &amp; MARKING SCHEME

Section	(1) Logical Reasoning	(2) Science	(3) Achievers Section
No. of Questions	10	35	5
Marks per Ques.	1	1	3

## SYLLABUS

**Section – 1 :** Patterns, Analogy and Classification, Geometrical Shapes, Mirror and Water Images, Direction Sense Test, Ranking Test, Alphabet Test, Logical Sequence of Words, Puzzle Test, Coding-Decoding, Clock and Calendar.

**Section – 2 :** Animals, Human Body and Health, Plants, Natural Resources and Indian Heritage, Pollution and Calamities, Earth and Universe, Matter and Materials, Force and Energy.

**Section – 3 :** Higher Order Thinking Questions - Syllabus as per Section – 2.

## LOGICAL REASONING

- In a certain code language, if 'DETAIL' is coded as 'EDTALI', then how will 'OBJECT' be coded in the same code language?  
(A) BOEJTC      (B) BOJETC      (C) PCJEDU      (D) BJOTCE
- Find the number of rectangles formed in the given figure.



- (A) 10      (B) 11      (C) 12      (D) More than 12
- There is a certain relationship between the pair of terms on the either side of ::. Identify the relationship in the right pair and find the missing term.  
SIT : ? :: MUD : LSA  
(A) RGQ      (B) TKW      (C) RKQ      (D) TGS

## SCIENCE

- Read the given statements regarding an animal X and select the option that correctly identifies it.
  - It has flippers.
  - It has lungs for breathing.
  - It has webbed feet.
 (A) Polar bear      (B) Penguin      (C) Seahorse      (D) Eel

5. Complete the given analogy by selecting the correct option.

Rickets : Vitamin D :: \_\_\_\_\_ : Vitamin B<sub>1</sub>

- (A) Beriberi (B) Scurvy (C) Night-blindness (D) Anaemia
6. Seeds of which of the following plants is dispersed by animals?  
(A) Milkweed (B) *Xanthium* (C) Cattail (D) Balsam
7. Refer to the given relationship and select the option that satisfies the same relationship.



- (A) Steering wheel : Crowbar : Knife (B) Nutcracker : Razor blade : Ramp  
(C) Tongs : Screw : Children slide (D) Wheel barrow : Tweezers : Scissors
8. Which among the following is the classical dance form of Andhra Pradesh?  
(A) Bharatanatyam (B) Odissi (C) Kathakali (D) Kuchipudi

### ACHIEVERS SECTION

9. Read the given statements and select the option that correctly identifies them as true (T) and false (F) ones.

- (i) Burning coal is an example of conversion of chemical energy into heat energy.  
(ii) When we swim in a swimming pool, buoyant force acts on our body.  
(iii) When an object vibrates, light energy is produced, which travels in a straight line.  
(iv) If an electric bulb is lit in vacuum, no light rays can be seen.

(i)	(ii)	(iii)	(iv)
(A) T	F	T	F
(B) F	F	T	T
(C) T	T	T	F
(D) T	T	F	F

10. Unscramble the letters given in column I, match them with column II and select the correct option from the given codes.

#### Column I

#### (Hindi names of planet)

- (i) HASKUR  
(ii) RIHIPTV  
(iii) RAABTSIIPH  
(iv) UVNRA

#### Column II

#### (Feature of planet)

- (a) Takes around 12 years to revolve around the Sun  
(b) Does not have any natural satellite  
(c) About 70% of its surface is covered with water  
(d) Takes around 165 years to revolve around the Sun

- (A) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)  
(C) (i)-(a), (ii)-(b), (iii)-(c), (iv)-(d)

- (B) (i)-(b), (ii)-(c), (iii)-(d), (iv)-(a)  
(D) (i)-(b), (ii)-(c), (iii)-(a), (iv)-(d)

### ANSWER KEY

1. (B) 2. (D) 3. (A) 4. (B) 5. (A) 6. (B) 7. (A) 8. (D) 9. (D) 10. (D)