

# Sample Test Paper Std 8 Moving

## Part - I (Physics)

1. The Sun Appears to move across the sky during the day. The best explanation for this apparent motion is that Earth is

- a) rotating in its axis      b) revolving around the sun      c) much smaller than the Sun      d) tilted on its axis

2. The mirror used as a side mirror in a scooter is

- a) convex mirror      b) concave mirror      c) concave lens      d) convex lens

3. DIRECTIONS : Match column-I with Column-II and select the correct answer using the code given below the columns.

### Column - I

- A) Distance  
B) Speed  
C) Periodic Motion  
D) Day

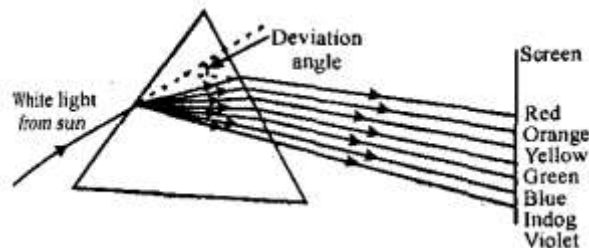
### Column -II

- p) Pendulum  
q) Light year  
r) Distance/time  
s) Time from one sunrise to the next

- (a) A – p , B- q, C - r ,D - s    (b) A – q , B- r, C - p ,D – s    (c) A – r , B- p, C - q ,D – s    (d) A – s , B- q, C - r ,D – p

### Passage (Question No. 4 to 6)

When a narrow beam of white light (sunlight or torch light) is passed through a triangular glass prism, it splits into a band of seven colours. The seven colours are in order violet, indigo, blue, green, yellow, orange and red. The red colour is deviated the least while the violet colour is deviated the most. The colour sequence can be remembered by the acronym VIBGYOR.



Dispersion of white light into seven colours

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The phenomenon of splitting of white light into its component colours on passing through a refracting medium such as a glass prism is called dispersion of light. The pattern of the coloured bands obtained on the screen is called spectrum.

**4. A spectrum is obtained by sending a beam of white light through a prism. A second prism exactly similar to the first one is placed in an inverted position with the sides parallel to the first. Now:**

- (a) a new spectrum will be formed on the screen with double the number of colours present in the previous spectrum
- (b) new spectrum will be obtained on the screen with only half the number of colours present in the previous spectrum
- (c) previous spectrum will disappear and we will obtain a white light formed by the fusion of the colours
- (d) a spectrum with same number of colours present in the previous spectrum will be formed but their wave lengths will be increased twice

**5. White light is made of:**

- (a) 1 colour
- (b) 3 colours
- (c) 5 colours
- (d) 7 colours

**6. Choose the correct statements :**

- (a) The sunlight is white
- (b) The sunlight consists of five colours
- (c) The sunlight consists of seven colours
- (d) None of these

## Part – II (Chemistry)

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**7. Change of milk to curd is a :**

- a) Physical change
- b) Chemical change
- c) irreversible change
- d) none of these

**8. The reaction that occurs in plants when carbon dioxide from air get converted to sugar and starch is**

- a) respiration
- b) photosynthesis
- c) physical change
- d) none of these

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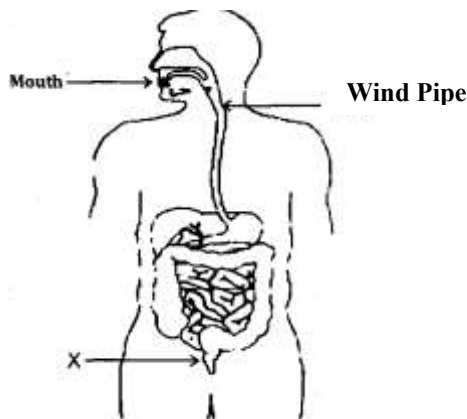
## Part – III (Biology)

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9. Which of the following is necessary for photosynthesis

- a) Carbon dioxide, water and sunlight                      b) Carbon dioxide and water only  
c) Carbon dioxide, water and Chlorophyll                d) Carbon dioxide, water, sunlight & chlorophyll

10. In the given picture, the part 'X' is



- (a) small intestine                      (b) large intestine                      (c) rectum                      (d) anus

**DIRECTIONS (Qs. 11 - 13):** The questions in this segment consists of two statements, one labeled as 'Assertion A' and the other labeled as "Reason R". You have to examine these two statements carefully and decide if the assertion A and reason R are individually true and if so, whether the reason is a correct explanation of the assertion. Select your answers to these items using the codes given below.

a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false. d) A is false but R is true.

11. **Assertion (A)** : Plants make their food themselves and are called autotrophs.

**Reason (R)** : Human beings and animals depend on plants for food supply.

12. **Assertion (A)** : Water and minerals present in soil are absorbed by plant roots and transported to leaves.

**Reason (R)** : Carbon dioxide from air is taken through stomata present on the surface of leaves.

13. **Assertion (A)**: The green pigment present in the leaves of plants is called chlorophyll.

**Reason (R)** : The green pigment gives the green colour of most of the plants. II,

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## Part – IV (Mathematics)

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14. By which numbers should we multiply 100 so that the product remains the same ?

- a) 100                      b) 0                      c) 1/100                      d) 1

15. Which step in the following problem wrong ?

$$a=b=1$$

$$a=b$$

$$\text{step 1 : } a^2 = ab$$

$$\text{step 2: } a^2 - b^2 = ab - b^2$$

$$\text{step -3 : } (a + b)(a - b) = b(a - b)$$

$$\text{step -4 : } (a+b) = \frac{b(a - b)}{a - b}$$

$$a + b = b$$

$$1 + 1 = 1$$

$$2 = 1$$

- (a) Step -4                      (b) Step - 3                      (c) Step-2                      (d) Step-1

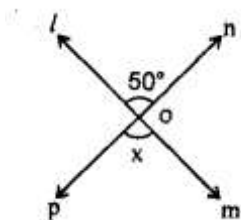
16. The present age of a man is 3 times that of his son. Six years ago , the age of the man was four times that of his son. Find the ratio of their ages 6 years later.

- (a) 4:3                      (b) 3:4                      (c) 2: 5                      (d) 5:2

17. The CP of 25 articles is equal to the SP of 20 articles. Then gain % is

- (a) 25 %                      (b) 20 %                      (c) 30 %                      (d) 50 %

18. In the figure given below, the angle x is equal to :

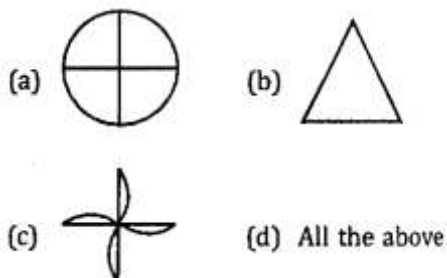


- (a)  $50^\circ$                       (b)  $100^\circ$                       (c)  $110^\circ$                       (d)  $75^\circ$

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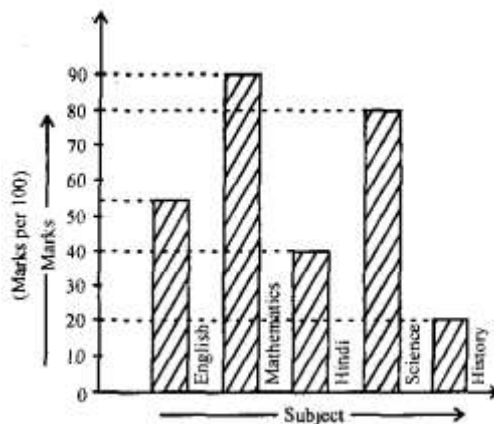
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19. Which of the following figures have rotational symmetry of order more than 1 ?



- (a) 9 sq. cm                      (b) 10 sq. cm                      (c) 11 sq. cm                      (d) 15 sq. cm

**DIRECTIONS (Qs. 20 to 21) :** Read the following graph and answer the questions given below



20. At what subject is the student sharp ?

- (a) English                      (b) Mathematics                      (c) Science                      (d) History

21. In which subject is the student poor ?

- (a) English                      (b) Mathematics                      (c) Science                      (d) History |

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## Part – V (Mental Ability Test)

**DIRECTIONS (Qs. 22-24) :** Study the following information to answer the questions given below:

- (i) Five boys are standing in a line facing the wall wearing red, green, yellow, white and blue dress,
- (ii) The yellow-dressed boy is not standing at any end of the line
- (iii) The red-dressed boy is not standing at any end of the line.

**22. The boy in the middle wears which coloured-dress?**

- (a) Green                      (b) Blue                      (c) Either Green or Blue      (d) Cannot be determined

**23. Who is to the right yellowed dressed boy ?**

- (a) Data inadequate      (b) white                      (c) Green                      (d) Blue

**24. If P denotes +, Q denotes -, R denotes x and S denotes  $\div$ , which of the following statements is correct?**


- (a)  $36 R 4 S 8 Q 7 P 4 = 10$                       (b)  $16R12P49S7Q9 = 200$   
 (c)  $32S8R9 = 160Q12R12$                       (d)  $8R8P8S8Q8=57$

**25. Find the missing number in the given matrix.**


3	6	8
5	8	4
4	7	?

- (a) 6                                      (b) 7                                      (c) 8                                      (d) 9


**DIRECTIONS (Q.26-Q.27):** In each of the following questions, a figure series is given where the last figure is missing, Find which one would complete the series,

26. 

(A)      (B)      (C)      (D)




(a)      (b)      (c)      (d)

27. 

(A)      (B)      (C)      (D)

What comes next in the above sequence ?



(a)      (b)      (c)      (d)

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Answer Key															
<b>A</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>Ans</b>	B	A	B	C	D	C	B	B	D	C	B	B	B	D	A
<b>Q.No</b>	16	17	18	19	20	21	22	23	24	25	26	27			
<b>Ans</b>	D	A	A	D	B	D	D	A	D	A	B	D			

