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## Student's Reference Sample Paper & Syllabus



### Syllabus

- ✓ Syllabus is based on integrated T.S. & A.P. State Boards
- ✓ Competence and knowledge in Mathematics & Science is assessed yearly at the State Level Olympiad.
- ✓ 75% of total syllabus (syllabus covered till 30th November as per Government schedule) from the respective state board is considered for this olympiad.

### Exam pattern

Class	No. of Questions	Total Marks	Duration (min.)
Class - 5	100	100	90

#### For Class 5

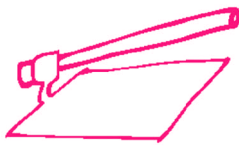


Mathematics : 50  
Science : 50

## Mathematics

- Form smallest number from the given digits.  
**2, 4, 0, 1 and 5** [ ]  
(A) 52410 (B) 1245  
(C) 20145 (D) 10245
- The sum of two numbers is 41482308. If one number is 3918695 then, find the other number [ ]  
(A) 36753613 (B) 37563613  
(C) 35673613 (D) 35676313
- The greatest five-digit odd number that can be formed using 8, 0, 1, 5, 2. [ ]  
(A) 85210 (B) 85201  
(C) 58102 (D) 81025
- Vandita arranged her toy books in 4 rows with 7 books each. Which expression can be used to find the total number of toy books? [ ]  
(A)  $4 + 4 + 4 + 4$  (B)  $4 + 7$   
(C)  $7 \div 4$  (D)  $4 \times 7$
- If ☆ represents 11 balloons, then the number of symbols to be drawn to represent 132 balloons. [ ]  
(A) 11 (B) 12 (C) 13 (D) 14
- Gauri has a 133 m long cloth. She needs to cut out pieces of length 70 cm from it. How many pieces can she cut? [ ]  
(A) 9310 (B) 195 (C) 190 (D) 184
- Find the area of the following figure. [ ]  
  
(A)  $20 \text{ cm}^2$  (B)  $25 \text{ cm}^2$   
(C)  $22 \text{ cm}^2$  (D)  $28 \text{ cm}^2$
- A ceiling fan rotates 75 degrees and then stops. How many more degrees does it need to rotate in order to make a full rotation? [ ]  
(A)  $180^\circ$  (B)  $200^\circ$  (C)  $285^\circ$  (D)  $270^\circ$
- A window has four straight sides. The top and bottom are shorter than the other sides. What shape is it? [ ]  
(A) triangle (B) rectangle  
(C) square (D) circle
- Usha calculates that she has 373175792 seconds left before she turns 18 and vote in the elections. How many years old is Usha now? [ ]  
(A) 6 (B) 3 (C) 4 (D) 7

#### Key for 5th Mathematics

1	2	3	4	5	6	7	8	9	10
D	B	B	D	B	C	D	C	B	A

1. Camel is found mostly in this state because of more sandy regions [ ]  
 (A) Andhra Pradesh (B) Telangana  
 (C) Rajasthan (D) Assam
- 
2. "I help farmers by swallowing rats. Most of you are afraid of me."  
 Who am I? [ ]  
 (A) Ant (B) Snake  
 (C) Tykrograma (D) Spider
- 
3. What is the name of the equipment shown in the picture? [ ]  
 (A) Plough (B) Spade  
 (C) Sickle (D) Crow bar
- 
- 
4. Consuming vegetables which are raised by spraying pesticides causes [ ]  
 (A) Heart attack (B) Diabetes  
 (C) Cancer (D) All the above
- 
5. Growth food among the following is [ ]  
 (A) Bengal gram (B) Ragi  
 (C) Ghee (D) Fruits
- 
6. What are the organs that rib cage protect? [ ]  
 (A) Lungs only (B) Heart only  
 (C) Stomach only (D) Both (A) & (B)
- 
7. The changing of the shape of moon is called [ ]  
 (A) Phase of the moon  
 (B) Reduction of moon  
 (C) Shape of moon  
 (D) Eclipse of moon
- 
8. Amar showed a symbol to denote a weather condition. What does it mean? [ ]  
 (A) Rain (B) Sunny  
 (C) Cloudy (D) Windy
- 
- 
9. This animal is active during which time of a day? [ ]  
 (A) Afternoon (B) Evening  
 (C) Morning (D) Night
- 
- 
10. The language spoken by Bond tribals is [ ]  
 (A) Bondu (B) Poroju  
 (C) Remo (D) Gond
- 

## Key for 5th General Science

1	2	3	4	5	6	7	8	9	10
C	B	B	D	A	D	A	A	D	C