## Entry Test 47 Answer Key to Class: 6

## ENGLISH

1.	(A)	<b>Correct Spellings</b>	rightarrow continent	▲ scenery	
	(B)	Meanings	م often, regularly, habitually م نقصان harm, injury, loss نقصان protect, guard, shield حفاظت کرنا ه earlier, preceding, former م		
	(C)	Opposites	🔺 refuse, reject, decline	▲ difficult, fancy	
		Forms of verbs	🔺 rise, rose, risen	<ul> <li>smell, smelt/smelled, smelt/ smelled</li> </ul>	

### 2. Articles and Prepositions

Most people are fond **of** mystery stories. They need not put **an** extra effort to solve **the** mystery along **with** the investigator.

### 3. (A) Complete Sentences

- ▲ Will you complete your book soon?
- ▲ The clerk has not **made** any mistake in the log.
- ▲ We **were** baking a cake at noon.

#### (B) **Do as Directed.**

- ▲ Hardworking students get prizes.
- ▲ The radios were put on the shelves.
- ▲ Has the hunter **caught** the birds?

## 4. Identify the Part of Speech

▲ same: adjective ▲ forward: adverb ▲ seen: verb

## 5. Sentence Construction

# ADMISSION TEST TO GRADE: 6 SCIENCE KEY

## Q.1 Fill in the blanks.

TB,

(i) Chlorophyll (ii) rusting (iii) bigger (iv) battery/cell

## **Q.2** Answer the following questions.

(i) Harmful: They cause diseases in plants, animals and human beings, e.g. diarrhea, etc.

Beneficial: Some bacteria help in digestion of food and absorption of food components.

- Definition: Type of reproduction in which only one parent produces new organisms of its own kind.
   Layering: Some branches of shrubs become buried in soil, it is called layer.
   A layer produces new roots. When it is cut and separated from the plant, it develops into a new plant.
- (iii) Heat is lost, the movement of particles become slower and they come closer to one another. The forces of attraction between the particles become stronger and liquid changes to solid.
- (iv) Water present beneath the surface or water that exists underground. The rainwater which is absorbed by the soil, passes through many layers of Earth and become a part of underground water.

## **MATHEMATICS-6**

#### ANSWER KEY

1. (	i)	39 500		(ii)	) 97	(iii	i) 5		(iv) 20358
2.	2	42		3	63		2	70	_
	3	21		3	21		5	35	
		7	_		7	_		7	_

$$42 = 2 \times 3 \times 7$$
  
$$63 = 3 \times 3 \times 7$$

$$70 = 2 \times 5 \times 7$$

Least common multiple = Product of common & un common factors

$$= 7 \times 3 \times 2 \times 5 \times 3 = 21 \times 10 \times 3 = 630$$

3.(i) Amount that son got =  $\frac{2}{7}$  of total amount =  $\frac{2}{7} \times \text{Rs} 3500$ =  $2 \times \text{Rs} 500$ = Rs 1000

Remaining amount /Amount to be distributed between two daughters= Rs 3500 - Rs 1000 = Rs 2500 (ii) Share of each daughter =  $\frac{Rs 2500}{2}$  = Rs 1250

#### 4. Method # 1:

40%represents16 books1 %represents  $\frac{16}{40}$  books100%represents $\frac{16}{40}$  × 100 = 40 books

#### **Method # 2:**

Let total number of books = x 40% of x = 16  $\frac{40}{100} \times x = 16$   $\frac{4}{10} \times x = 16$  $x = 16 \times \frac{10}{4} = 40$  Method # 3:

Let x be the total number of books Percentage Books 40 16 (direct proportion) 100 x 40 : 100 :: 16 : x 100×16= 40×x (product of extremes = product of means)  $\frac{1600}{40} = x$ 40 = x

### So, there were 40 books at the beginning.

**5**. Let 4<sup>th</sup> day sale be y.

Average sales of 4 days = Rs. 2500 Sales on 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> day = Rs 3200, Rs 2800 & Rs 1750 Sum of sales of first three days = R. 3200 + Rs 2800 + Rs. 1750 = Rs 7750 Sum of sales of 4 days = 7750 + y Average =  $\frac{Sum of quanties}{No. of Quanties}$  $2500 = \frac{7750+y}{4}$  $2500 \times 4 = 7750 + y$ 10000 = 7750 + y10000 - 7750 = ySo 4<sup>th</sup> day sale is Rs. 2250.