# Entry Test 47 <br> Answer Key to Class: 6 <br> ENGLISH 

1. (A) Correct Spellings a continent a scenery
(B) Meanings a often, regularly, habitually بكثرت

ـ harm, injury, loss نقصان
a protect, guard, shield
حفاظت كرنا
كزشت
(C) Opposites \& refuse, reject, decline a difficult, fancy

Forms of verbs a rise rose risen smell, smelt/smelled,

## 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

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

## (B) Do as Directed.

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

4. Identify the Part of Speech
a same: adjective a forward: adverb a seen: verb
5. Sentence Construction
a edible a command a rarely

# ADMISSION TEST TO GRADE: 6 <br> SCIENCE <br> KEY 

## Q. 1 Fill in the blanks.

(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.
(ii) 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 <br> ANSWER KEY 

1. (i) \begin{tabular}{l}
\multicolumn{1}{c}{39500} <br>
2. | 2 | 42 |
| :--- | :--- |
| 3 | 21 |
|  | 7 |

\end{tabular}$. \begin{aligned} & \text { 2 }\end{aligned}$

(ii) 97
(iii) 5

$$
\begin{aligned}
& 42=2 \times 3 \times 7 \\
& 63=3 \times 3 \times 7 \\
& 70=2 \times 5 \times 7
\end{aligned}
$$

(iv) 20358

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

$$
\begin{aligned}
& =\frac{2}{7} \times \operatorname{Rs} 3500 \\
= & 2 \times \text { Rs } 500 \\
= & \text { Rs } 1000
\end{aligned}
$$

Remaining amount /Amount to be distributed between two daughters= Rs $3500-$ Rs $1000=$ Rs 2500
(ii) Share of each daughter $=\frac{R s 2500}{2}=$ Rs 1250
4. Method \# 1:
$40 \%$ represents 16 books
$1 \%$ represents $\frac{16}{40}$ books
$100 \%$ represents $\frac{16}{40} \times 100=40$ 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
$40 \quad 16$ (direct proportion)
$100 x$
40: 100 :: $16: x$
$100 \times 16=40 \times x \quad$ (product of extremes $=$ product of means)
$\frac{1600}{40}=x$
$40=x$

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

5. Let $4^{\text {th }}$ day sale be $y$.

Average sales of 4 days $=$ Rs. 2500
Sales on $1^{\text {st }}, 2^{\text {nd }}$ and $3^{\text {rd }}$ day $=$ Rs 3200 , Rs $2800 \&$ Rs 1750
Sum of sales of first three days $=$ R. $3200+$ Rs $2800+$ Rs. $1750=$ Rs 7750

$$
\begin{aligned}
& \text { Sum of sales of } 4 \text { days }=7750+\mathrm{y} \\
& \text { Average }=\frac{\text { Sum of quanties }}{\text { No. of Quanties }} \\
& 2500=\frac{7750+y}{4} \\
& 2500 \times 4=7750+\mathrm{y} \\
& 10000=7750+\mathrm{y} \\
& 10000-7750=\mathrm{y}
\end{aligned}
$$

So $4^{\text {th }}$ day sale is Rs. 2250.

