$$
6^{\text {th }} \text { Class }
$$

> Mathematics: Ans: (B)
Smallest 15 whole are $0,1,2,3,4, \ldots \ldots \ldots .14$. As these numbers contain zero, so, product will be zero.
$>$ Physics: Ans: (D)
$>$ Chemistry: Ans: (A)
> Biology: Ans: (C)
$7^{\text {th }}$ Class
> Mathematics : Ans: (D)

$$
\begin{aligned}
(5 x+3 y)^{3} & =(5 x)^{3}+3 \times 5^{2} \cdot x^{2} \times 3 y+3.5 x \cdot 9 y^{2}+(3 y)^{3} \\
& =125 x^{3}+225 x^{2} y+135 x y^{2}+27 y^{3}
\end{aligned}
$$

$>$ Physics: Ans: (C)
$>$ Chemistry: Ans: (B)
Biology: Ans: (D)
$8^{\text {th }}$ class
> Mathematics: Ans: (D)
Total amount =Rs. 36
Age of Shreya $=15$ years, Age of Bhoomika $=12$ years
Ratio of ages $=15: 12=\frac{15 \div 3}{12 \div 3}=\frac{5}{4}-5: 4$
Therefore', Shreya's share $=$ Rs. $36 \times \frac{5}{9}=4 \times 5=$ Rs. 20
Bhoomika's share $=36 \times \frac{4}{9}=4 \times 4=R s .16$

Physics: Ans: (D)

Chemistry: Ans: (D)
$\mathrm{H}_{2}$ will not reduce heated $\mathrm{Al}_{2} \mathrm{O}_{3}$
Biology: Ans: (B)
$9^{\text {th }}$ Class
Mathematics : Ans: (B)
$\angle \mathrm{PQS}=60^{\circ}$ and $\angle \mathrm{RQS}=60^{\circ}$
$[\because \angle \mathrm{PQS}, \angle \mathrm{PAB}$ and $\angle \mathrm{RQS}, \angle \mathrm{RCD}$ are two pairs of corresponding angles]
$\because \angle \mathrm{PQR}=120^{\circ}$
$\because \angle \mathrm{XQY}=120^{\circ}[\because \angle \mathrm{PQR}$ and $\angle \mathrm{XQY}$ are vertically opposite angles $]$
$\because \angle \mathrm{QXY}+\angle \mathrm{QYX}=60^{\circ}[\because \angle \mathrm{XQY}, \angle \mathrm{QXY}$ and $\angle \mathrm{QYX}$ are angles in a triangle $]$

Physics: Ans : (C)
$>$ Chemistry: Ans: $(\mathrm{C})$
Biology: Ans: (B)
$10^{\text {th }}$ class
> Mathematics: Ans: (C)
Let the cost price of a shirt be Rs $x$ and that of a trouser be Rs $y$.
According to the given condition:
$-10 \%$ of $x+20 \%$ of $y=115 \Rightarrow-0.1 x+0.2 y=115 \Rightarrow-x+2 y=1150$
$20 \%$ of $x-10 \%$ of $y=10 \Rightarrow 0.2 x-0.1 y=10 \Rightarrow 2 x-y=100$
Multiplying (i) with 2 and then adding with (ii):
$3 y=2400 \Rightarrow y=800$
Substituting the value of y in (ii):
$2 \mathrm{x}-800=100 \Rightarrow 2 \mathrm{x}=900 \Rightarrow \mathrm{x}=450$
Thus, total cost of a shirt and a trouser $=$ Rs $(800+450)=$ Rs 1,250
Physics: Ans: (C)
Chemistry: Ans: (C)
Biology: Ans: (D)
> Reasoning : Ans: (B)

