



14) $\frac{100 \times 96}{2688 \times 96} \Rightarrow 3.72\%$ or 4%

formule - $\frac{100 \times \text{Diff amt}}{\text{Principle} \times \text{Diff in yr}}$

15) $\frac{72}{\text{Rate}} \Rightarrow 14.4 \text{ yrs}$ - (d)
 or 14.3 yrs

Trick ↑

16) $FV \Rightarrow PV \times (1 + \frac{r}{2})^{2t}$
 $\Rightarrow 10000 \times (1.11)^4$
 $\Rightarrow 1518.07$ - (b) Ans

17) $C-I \Rightarrow P \times (1 + \frac{r}{100})^t - P$
 $\Rightarrow 10000 \times (1.1)^4 - 10000$
 $\Rightarrow 4641$

S-I $\Rightarrow PRT$
 $\Rightarrow 10000 \times 0.1 \times 4$
 $\Rightarrow 4000$

C-I-SI
 $\Rightarrow 4641 - 4000$
 $\Rightarrow 641$ - (c) Ans

18) $A \Rightarrow P(1+i) \times (1+i)$
 $\Rightarrow A \Rightarrow 25000(1.04) \times (1.05)$
 $\Rightarrow 26000 \times 1.05$
 $\Rightarrow 27300$ - (b) Ans

19) Present value
 $\frac{(1-r)^t}{(1-r)^3} \Rightarrow \frac{21870}{(1-0.1)^3} \Rightarrow 20000$ - (a) Ans

20) a) Principal

22) $P \Rightarrow FV \times \frac{L}{N \times (1+i)^{n \times t}}$
 $\frac{1500 \times 0.06}{4} \Rightarrow \frac{22.5}{(1.015)^{4 \times 3} - 1} \Rightarrow 115.199$
 Ans (b)

23) $PV \Rightarrow P \times \frac{(1 - (1 + \frac{r}{n})^{-n \times t})}{\frac{r}{n}}$
 $\Rightarrow PV \Rightarrow 200 \times \frac{(1 - (1.0125)^{-10 \times 4})}{0.0125}$
 $\Rightarrow 200 \times 0.39158660$
 $\Rightarrow 6265.38663$ - (c) Ans

24) $A \Rightarrow \frac{P \times r}{(1 - (1+r)^{-n})}$
 $\Rightarrow A \Rightarrow \frac{500000 \times 0.1}{1 - (1.1)^{-20}}$
 $\Rightarrow \frac{50000}{-0.85136}$
 $\Rightarrow 58729.8123$ - (b) Ans

25) $A \Rightarrow \frac{FV \times r}{(1+r)^n - 1}$
 $\Rightarrow \frac{200000 \times 0.05}{(1.05)^{20} - 1}$
 $\Rightarrow \frac{10000}{1.65329} \Rightarrow 6048.5174$
 - (b) Ans
 6049

26) $PVA \Rightarrow \frac{P \times (1 - (1+r)^{-n})}{r} \times (1+r)$
 $\Rightarrow 10000 \times \frac{(1 - (1.085)^{-16})}{0.085} \times (1.085)$
 $\Rightarrow 10000 \times \frac{(-0.72890)}{0.085} \times (1.085)$
 $\Rightarrow 10000 \times -8.57533 \times 1.085$
 $\Rightarrow 93042.36575$
 or
 93042 - (c) Ans



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TVM - Solution

from - Q-13 to 26