

BOOKS



Visit: publications.adda247.com & store.adda247.com
 For any information, mail us at publications@adda247.com

Solutions

S1. Ans. (b)

Sol. Let C.P. of watch = Rs. $3x$

From A, C.P. of T.V. = $\frac{5}{3} \times 3x = 5x$

From B, C.P. of fan = $3x - 400$

From C, $3x - 400 = \frac{3}{10} \times 5x$

Using all the three statements answer can be found.

S2. Ans. (a)

Sol. From A, Speed ratio of bike and car = 1: 2

From B, Length of train (known) = 200 m

\therefore Speed of car = $\frac{4}{3} \times \frac{150}{6} = \frac{100}{3}$ m/s

From C, Speed of car = $\frac{800}{24} = \frac{100}{3}$ m/s

Either from A and B together or A and C together are sufficient.

S3. Ans.(d)

Sol. Let initial expenditure = $32x$

\therefore increased expenditure

= $12x \times 1.2 + 17x \times 1.3 + 3x \times 1.5$

= $41x$

\therefore Percentage increase of expenditure

= $\frac{41x - 32x}{32x} \times 100$

= $28\frac{1}{8}\%$



S4. Ans.(a)

Sol. Let sum = Rs. P

ATQ,

$$\frac{P \times 3 \times 8}{100} = \frac{1}{2} \times 8000 \left[\left(1 + \frac{10}{100}\right)^2 - 1 \right]$$

$$\Rightarrow P = \frac{4,00,000}{24} \times \frac{21}{100}$$

$$\Rightarrow P = \text{Rs. } 3500$$

S5. Ans.(b)

Sol. Let plan was to drill x metre per day and total time (days) to drill the required depth according to plan was t days.

$$\therefore xt = 270 \dots(i)$$

and A/c,

$$3x + (t - 4)(x + 8) = 280$$

$$\Rightarrow 8t - x = 42 \dots(ii)$$



From (i) and (ii)

$$\text{Put } t = \frac{270}{x} \text{ in (ii)}$$

$$\frac{2160}{x} - x = 42$$

$$\Rightarrow x^2 + 42x - 2160 = 0$$

$$\Rightarrow (x - 30)(x + 72) = 0$$

$$\checkmark x$$

$$\Rightarrow x = 30 \text{ metres}$$

S6. Ans.(d)

Sol.

$$\frac{55}{100} \times 320 + \frac{30}{100} \times 1080 = 20 \times ?$$

$$176 + 324 = 20 \times ?$$

$$? = \frac{500}{20} = 25$$

S7. Ans.(b)

Sol.

$$(?)^2 \div 12.5 = 6.25 \times 3.125 \div 1.5625$$

$$(?)^2 = \frac{6.25 \times 3.125 \times 12.5}{1.5625}$$

$$(?)^2 = \frac{625 \times 3125 \times 125}{15625 \times 100}$$

$$(?)^2 = 125 \times \frac{125}{100}$$

$$(?)^2 = 12.5 \times 12.5$$

$$? = 12.5$$

S8. Ans.(a)

Sol.

$$\frac{25}{3} \times \frac{12}{5} + ? = \frac{85}{6} \times \frac{54}{17}$$

$$5 \times 4 + ? = 9 \times 5$$

$$? = 45 - 20$$

$$? = 25$$

S9. Ans.(b)

Sol.

$$? = \frac{117 \times 247}{13 \times 65 \times 10} = 3.42$$



By Adda247 Faculties

SBI CLERK 2019

PRIME

With Video Solutions

85+ Total Tests

- ✓ 30 Full Length Mocks
- ✓ 5+ Previous Years' Papers
- ✓ 30 Section wise Sets
- ✓ 20 Topic wise Test | eBooks

S10. Ans.(a)**Sol.**

$$(25)^{2+?} = \frac{625}{125} \times \frac{3125}{25}$$

$$= 5 \times 125$$

$$= 625 \Rightarrow (25)^2$$

$$2 + ? = 2$$

$$? = 0$$

S11. Ans.(b)**Sol.** Total male students participating in seminar in 2014

$$\text{from all streams} = \left(\frac{5}{8} \times 40 + \frac{5}{7} \times 35 + \frac{7}{10} \times 20 \right) \text{ thousands}$$

$$= 64 \text{ thousand}$$

Total female students who participated in 2013 from all streams

$$= \left(\frac{1}{5} \times 30 + \frac{1}{5} \times 25 + \frac{1}{5} \times 15 \right) \text{ thousands}$$

$$= 14 \text{ thousand}$$

$$\therefore \text{Required percentage} = \frac{64}{14} \times 100 \approx 457\%$$

S12. Ans.(c)**Sol.** Total students (both male and female) from banking who asked questions in seminar in 2015

$$= \left(\frac{10}{100} \times \frac{7}{10} \times 50 + \frac{5}{100} \times \frac{3}{10} \times 50 \right) \text{ thousand}$$

$$= (3.5 + 0.75) = 4.25 \text{ thousands}$$

Total students from SSC who asked question in 2015

$$= \frac{10}{100} \times 45000 = 4.5 \text{ thousands}$$

$$\therefore \text{Required percentage} = \frac{4.25}{4.5} \times 100 = 94.44\%$$

S13. Ans.(c)**Sol.** Required average

$$= \frac{1}{5} \times \left(\frac{4}{5} \times 15 + \frac{7}{10} \times 20 + \frac{6}{7} \times 35 + \frac{3}{4} \times 30 + \frac{3}{5} \times 40 \right)$$

$$= \frac{1}{5} \times 102.5 = 20.5 \text{ thousands}$$

S14. Ans.(b)**Sol.** Total no of male students from banking in 2016 and 2017 together

$$= \frac{3}{5} \times 50 + \frac{2}{3} \times 60 = 70 \text{ thousands}$$

Total no. of female students from SSC in 2016 and 2017 together

$$= \frac{3}{8} \times 40 + \frac{3}{10} \times 50 = 30 \text{ thousands}$$

$$\therefore \text{Required percentage} = \frac{40}{30} \times 100 = 133\frac{1}{3}\%$$

LIC AAO 2019
PRIME PACKAGE

GENERALIST

75+ TOTAL TESTS

- 25 Full Length Mocks
- 2 Previous Years' Papers
- 30 Section wise Practice Sets
- 20 Topic wise Practice Sets
- Insurance Knowledge eBooks BILINGUAL

VALIDITY - 3 MONTHS

S15. Ans.(d)**Sol.** In 2012,

Total students who participated in seminar from Banking

$$= 30 \times \frac{90}{100} = 27,000$$

$$\text{From SSC} = \frac{80}{100} \times 25,000 = 20,000$$

$$\text{From Railway} = \frac{75}{100} \times 15,000 = 11,250.$$

No. of boys who participated in seminar in 2012

$$\text{From Banking} = \frac{4}{5} \times 30,000 - 1000 = 23,000$$

$$\text{From SSC} = \frac{4}{5} \times 25,000 - 1500 = 18,500$$

$$\text{From Railway} = \frac{4}{5} \times 15,000 - 2000 = 10,000$$

$$\therefore \text{Required no. of girls} = (27,000 - 23,000) + (20,000 - 18,500) + (11,250 - 10,000) = 6,750$$

S16. Ans.(b)**Sol.** Series is

$$+9, -18, +27, -36, +45$$

$$\text{so, } 25 - 36 = -11$$

S17. Ans.(e)**Sol.** $6 \times 1 + 1, 7 \times 3 + 3, 24 \times 5 + 5, 125 \times 7 + 7, 882 \times 9 + 9$

$$\text{so, } 24 \times 5 + 5 = 125$$

S18. Ans.(c)**Sol.** Series is

$$2 + (1^2 + 1^3), 4 + (2^2 + 2^3), 16 + (3^2 + 3^3), 52 + (4^2 + 4^3)$$

$$\text{so, } 16 + (3^2 + 3^3) = 52$$

S19. Ans.(a)**Sol.** Series is

$$\times 1 + 1, \times 1.5 + 1.5, \times 2 + 2, \times 2.5 + 2.5, \times 3 + 3$$

$$\text{So, } 30 \times 3 + 3 = 93$$

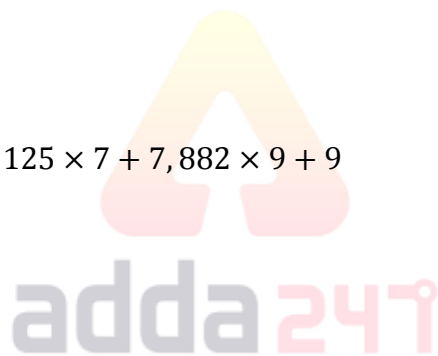
S20. Ans.(a)**Sol.** Series is

$$1^3 + 1, 2^3 - 1, 3^3 + 1, 4^3 - 1, 5^3 + 1$$

$$\text{So, } 125 + 1 = 126$$

S21. Ans.(c)**Sol.** Total marks obtained by Ravi in Machine

$$= 75 + 100 + 110 + 120 = 405$$



SBI PO 2019

EDGE

Online Test Series | Books | eBooks

- 9 Printed Books
- 90+ Total Tests
- 90+ eBooks

S22. Ans.(d)**Sol.** Required percentage

$$= \frac{(100 + 75 + 100 + 100 + 75)}{(150 + 100 + 150 + 150 + 100)} \times 100$$
$$= 69.23\%$$
$$\approx 69\%$$

S23. Ans.(e)**Sol.** Required percentage

$$= \frac{80}{120} \times 100$$
$$= 66\frac{2}{3}\%$$

S24. Ans.(a)**Sol.** From table we can see that the required subject is Power Elex. and power system.**S25. Ans.(e)****Sol.** Required percentage

$$= \frac{\frac{120}{150} \times 100 - 80}{80} \times 100$$
$$= 0\%$$

यह नहीं दिया, तो LIC AAO नहीं Clear किया!

LIC AAO Prelims

All India Free Mock Exam 2019

Use Coupon Code

FACE19 & Get FreeVideo Solution will be provided
on Adda247 YouTube Channel**BUY NOW**