

Book For
The Reserve Bank of India



RBI Assistant Aptitude Sample Paper Pdf Download



Visit our websites:

www.Couponlal.com

www.Myexamportal.com

www.Examlal.com

| www.Joblal.com

| www.joinexam.in

| www.examy.com

(1) In order to obtain an income of Rs. 650 from 10% stock at Rs. 96, one must make an investment of:

- [A] Rs. 3100
- [B] Rs. 6240
- [C] Rs. 6500
- [D] Rs. 9600

Answer : [B]

Explanation:

To obtain Rs. 10, investment = Rs. 96.

To obtain Rs. 650, investment = Rs. $\left(\frac{96}{10} \times 650\right)$ = Rs. 6240.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(2) By investing in $16\frac{2}{3}\%$ stock at 64, one earns Rs. 1500. The investment made is:

- [A] Rs. 5640
- [B] Rs. 5760
- [C] Rs. 7500
- [D] Rs. 9600

Answer : [B]

Explanation:

To earn Rs. $\frac{50}{3}$, investment = Rs. 64.

To earn Rs. 1500, investment = Rs. $\left(64 \times \frac{3}{50} \times 1500\right)$ = Rs. 5760.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(3) A man buys Rs. 20 shares paying 9% dividend. The man wants to have an interest of 12% on his money. The market value of each share is:

- [A] Rs. 12
- [B] Rs. 15
- [C] Rs. 18
- [D] Rs. 21

Answer : [B]

Explanation:

Dividend on Rs. 20 = Rs. $\left(\frac{9}{100} \times 20\right)$ = Rs. $\frac{9}{5}$.

Rs. 12 is an income on Rs. 100.

∴ Rs. $\frac{9}{5}$ is an income on Rs. $\left(\frac{100}{12} \times \frac{9}{5}\right)$ = Rs. 15.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(4) Rs. 9800 are invested partly in 9% stock at 75 and 10% stock at 80 to have equal amount of incomes. The investment in 9% stock is:

- [A] Rs. 4800
- [B] Rs. 5000
- [C] Rs. 5400
- [D] Rs. 5600

Answer : [B]

Explanation:

Let the investment in 9% stock be Rs. x .

Then, investment in 10% stock = Rs. $(9800 - x)$.

$$\frac{9}{75} \times x = \frac{10}{80} \times (9800 - x)$$

$$\Rightarrow \frac{3x}{25} = \frac{9800 - x}{8}$$

$$\Rightarrow 24x = 9800 \times 25 - 25x$$

$$\Rightarrow 49x = 9800 \times 25$$

$$\Rightarrow x = 5000.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(5) A man invests some money partly in 9% stock at 96 and partly in 12% stock at 120. To obtain equal dividends from both, he must invest the money in the ratio:

[A] 3 : 4

[B] 3 : 5

[C] 4 : 5

[D] 16 : 15

Answer : [D]

Explanation:

For an income of Re. 1 in 9% stock at 96, investment = Rs. $\left(\frac{96}{9}\right) = \text{Rs. } \frac{32}{3}$

For an income Re. 1 in 12% stock at 120, investment = Rs. $\left(\frac{120}{12}\right) = \text{Rs. } 10.$

$$\therefore \text{Ratio of investments} = \frac{32}{3} : 10 = 32 : 30 = 16 : 15.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(6) In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

[A] 30%

[B] 70%

[C] 100%

[D] 250%

Answer : [B]

Explanation:

Let C.P. = Rs. 100. Then, Profit = Rs. 320, S.P. = Rs. 420.

New C.P. = 125% of Rs. 100 = Rs. 125

New S.P. = Rs. 420.

Profit = Rs. $(420 - 125) = \text{Rs. } 295.$

$$\therefore \text{Required percentage} = \left(\frac{295}{420} \times 100\right)\% = \frac{1475}{21}\% = 70\% \text{ (approximately).}$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(7) Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

[A]
 $4\frac{4}{7}\%$

[B]
 $5\frac{5}{11}\%$

[C] 10%

[D] 12%

Answer : [B]

Explanation:

Cost Price (C.P.) = Rs. (4700 + 800) = Rs. 5500.

Selling Price (S.P.) = Rs. 5800.

Gain = (S.P.) - (C.P.) = Rs.(5800 - 5500) = Rs. 300.

$$\text{Gain \%} = \left(\frac{300}{5500} \times 100 \right) \% = 5\frac{5}{11}\%$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(8) The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?

[A] Rs. 2000

[B] Rs. 2200

[C] Rs. 2400

[D] Data inadequate

Answer : [A]

Explanation:

Let C.P. be Rs. x .

$$\text{Then, } \frac{1920 - x}{x} \times 100 = \frac{x - 1280}{x} \times 100$$

$$\Rightarrow 1920 - x = x - 1280$$

$$\Rightarrow 2x = 3200$$

$$\Rightarrow x = 1600$$

$$\therefore \text{Required S.P.} = 125\% \text{ of Rs. } 1600 = \text{Rs. } \left(\frac{125}{100} \times 1600 \right) = \text{Rs. } 2000.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(9) A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

[A] No profit, no loss

[B] 5%

[C] 8%

[D] 10%

[E] None of these

Answer : [B]

Explanation:

C.P. of 56 kg rice = Rs. (26 x 20 + 30 x 36) = Rs. (520 + 1080) = Rs. 1600.

S.P. of 56 kg rice = Rs. (56 x 30) = Rs. 1680.

$$\therefore \text{Gain} = \left(\frac{80}{1600} \times 100 \right) \% = 5\%.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(10) On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

[A] Rs. 45

[B] Rs. 50

[C] Rs. 55

[D] Rs. 60

Answer : [D]

Explanation:

$$(C.P. \text{ of } 17 \text{ balls}) - (S.P. \text{ of } 17 \text{ balls}) = (C.P. \text{ of } 5 \text{ balls})$$

$$\Rightarrow C.P. \text{ of } 12 \text{ balls} = S.P. \text{ of } 17 \text{ balls} = \text{Rs. } 720.$$

$$\Rightarrow C.P. \text{ of } 1 \text{ ball} = \text{Rs. } \left(\frac{720}{12} \right) = \text{Rs. } 60.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(11) If $3x + 125 = 17.88$, then what will be the value of $8x + 6x$?

[A] 13.41

[B] 20.46

[C] 21.66

[D] 22.35

Answer : [D]

Explanation:

$$3x + 125 = 17.88$$

$$\Rightarrow 3x + 25 \times 5 = 17.88$$

$$\Rightarrow 3x + 5 \times 5 = 17.88$$

$$\Rightarrow 8x = 17.88$$

$$\Rightarrow x = 2.235$$

$$\therefore 8x + 6x = 16x + 6x$$

$$= 4x + 6x$$

$$= 10x = (10 \times 2.235) = 22.35$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(12) The square root of $(7 + 3x)(7 - 3x)$ is

[A] x

[B] 2

[C] 4

[D]

$3x$

Answer : [B]

Explanation:

$$(7 + 3x)(7 - 3x) = (7)^2 - (3x)^2 = 49 - 9x^2 = 4 = 2.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(13) A group of students decided to collect as many paise from each member of group as is the number of members. If the total collection amounts to Rs. 59.29, the number of the member is the group is:

[A] 57

[B] 67

[C] 77

[D] 87

Answer : [C]

Explanation:

$$\text{Money collected} = (59.29 \times 100) \text{ paise} = 5929 \text{ paise.}$$

$$\therefore \text{Number of members} = \sqrt{5929} = 77.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(14) If $a = 0.1039$, then the value of $4a^2 - 4a + 1 + 3a$ is:

[A] 0.1039

[B] 0.2078

[C] 1.1039

[D] 2.1039

Answer : [C]

Explanation:

$$\begin{aligned}4a^2 - 4a + 1 + 3a &= (1)^2 + (2a)^2 - 2 \times 1 \times 2a + 3a \\ &= (1 - 2a)^2 + 3a \\ &= (1 - 2a) + 3a \\ &= (1 + a) \\ &= (1 + 0.1039) \\ &= 1.1039\end{aligned}$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(15) How many two-digit numbers satisfy this property.: The last digit (unit's digit) of the square of the two-digit number is 8 ?

[A] 1

[B] 2

[C] 3

[D] None of these

Answer : [D]

Explanation: A number ending in 8 can never be a perfect square.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(16) What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

[A] 1

[B] 14

[C] 20

[D] 21

Answer : [C]

Explanation:

Clearly, the numbers which have 1 or 9 in the unit's digit, have squares that end in the digit 1. Such numbers from 1 to 70 are 1, 9, 11, 19, 21, 29, 31, 39, 41, 49, 51, 59, 61, 69.

Number of such number = 14

$$\therefore \text{Required percentage} = \left(\frac{14}{70} \times 100 \right) \% = 20\%.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(17) A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?

[A] 45%

[B]

$45\frac{5}{11}\%$

[C]

$54\frac{6}{11}\%$

[D] 55%

Answer : [B]

Explanation:

$$\begin{aligned}\text{Number of runs made by running} &= 110 - (3 \times 4 + 8 \times 6) \\ &= 110 - (60) \\ &= 50.\end{aligned}$$

$$\therefore \text{Required percentage} = \left(\frac{\quad}{110} \times 100 \right) \% = 45.11\%$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(18) A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- [A] 588 apples
- [B] 600 apples
- [C] 672 apples
- [D] 700 apples

Answer : [D]

Explanation:

Suppose originally he had x apples.

Then, $(100 - 40)\%$ of $x = 420$.

$$\Rightarrow \frac{60}{100} \times x = 420$$

$$\Rightarrow x = \left(\frac{420 \times 100}{60} \right) = 700.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(19) If 20% of $a = b$, then $b\%$ of 20 is the same as:

- [A] 4% of a
- [B] 5% of a
- [C] 20% of a
- [D] None of these

Answer : [A]

Explanation:

$$20\% \text{ of } a = b \Rightarrow \frac{20}{100}a = b.$$

$$\therefore b\% \text{ of } 20 = \left(\frac{b}{100} \times 20 \right) = \left(\frac{20}{100}a \times \frac{1}{100} \times 20 \right) = \frac{4}{100}a = 4\% \text{ of } a.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(20) Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.

- [A] Rs. 6876.10
- [B] Rs. 6999.20
- [C] Rs. 6654
- [D] Rs. 7000

Answer : [A]

Explanation:

$$\text{Rebate} = 6\% \text{ of Rs. } 6650 = \text{Rs. } \left(\frac{6}{100} \times 6650 \right) = \text{Rs. } 399.$$

$$\text{Sales tax} = 10\% \text{ of Rs. } (6650 - 399) = \text{Rs. } \left(\frac{10}{100} \times 6251 \right) = \text{Rs. } 625.10$$

$$\therefore \text{Final amount} = \text{Rs. } (6251 + 625.10) = \text{Rs. } 6876.10$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com
