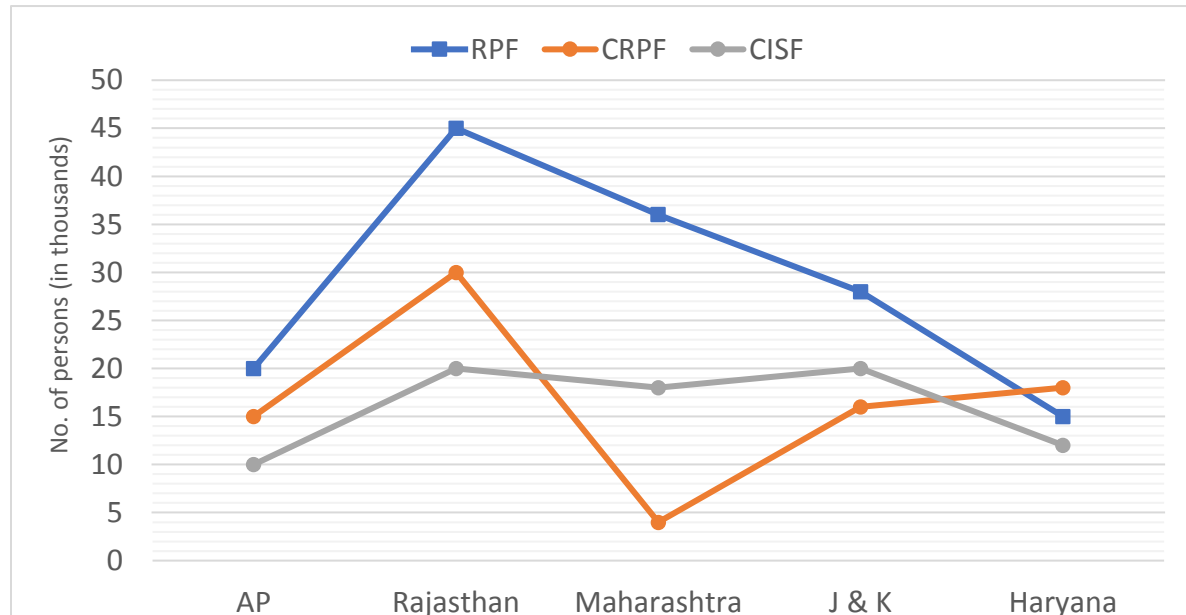


Quiz Date: 24th July 2020

Directions (1 - 5): The following line graph shows the no. of persons who cleared the defense exams for three different posts from five different states of India. The table shows percentage of female in them. Study both the graphs carefully to answer the questions that



follow:

Posts	Percentage of Females				
	AP	Rajasthan	Maharashtra	J & K	Haryana
RPF	10	25	20	15	30
CRPF	25	36	30	20	18
CISF	16	32	28	20	24

Q1. Find the total no. of males who cleared the exam for the post of RPF from all the five states together. (in thousands)

- (a) 14.85
- (b) 114.85
- (c) 115.45
- (d) 112.85
- (e) 116.85

Q2. The total no. of females for CRPF post from Rajasthan is what percent more than the no. of females for the same post from Haryana?

- (a) $160\frac{2}{3}\%$
- (b) 50%
- (c) $233\frac{1}{3}\%$

- (d) 550%
- (e) 350%

Q3. What is the difference between total no. of males from Maharashtra and total no. of males from Haryana who have cleared the exam for all the three posts.

- (a) 10180
- (b) 8600
- (c) 8040
- (d) 8160
- (e) 8406



Q4. Total no. of females from Rajasthan and AP together for the post of CRPF is approximately what percent of total no. of females from Maharashtra and J&K for the same post who cleared the exam?

- (a) 195%
- (b) 145%
- (c) 270%
- (d) 330%
- (e) 167%

Q5. What is the difference between total no. of persons from all the five states together for the post CRPF and total no. of persons for the post CISF from all the five states together?

- (a) 4000
- (b) 3000
- (c) 5000
- (d) 7000
- (e) 1000

Directions (6-10): What value should come in place of (?) in the following questions?

Q6. $?^2 = 55\% \text{ of } 440 - 80\% \text{ of } 345 + 2 \times 7^2$

- (a) 6
- (b) 2
- (c) 4
- (d) 16
- (e) 8

Q7. $\frac{209}{399} \times 21^2 - (11)^2 = ?$

- (a) 110
- (b) 320
- (c) 100
- (d) 120
- (e) 80

Q8. $86 \times 5 + 26 \times 11 - 22 \times 13 = ?$

- (a) 1002
- (b) 716
- (c) 430
- (d) 144
- (e) 380

Q9. $3\frac{2}{5} + 4\frac{5}{6} + 5\frac{2}{3} = ? + 7\frac{3}{4}$

- (a) $5\frac{3}{20}$
- (b) $6\frac{3}{20}$
- (c) $8\frac{11}{20}$
- (d) $6\frac{5}{6}$
- (e) $4\frac{3}{10}$

Q10. $980\% \text{ of } 30 + 780\% \text{ of } 50 - 640\% \text{ of } 40 = ?$

- (a) 480
- (b) 482
- (c) 432
- (d) 428
- (e) 424

Directions (11-15): Study the table and answer the given questions.

Data related to candidates appeared and qualified from UP in PSB (Public Sector Banks) exam during 5 years.

Years	No. of appeared candidates	% of appeared candidates who qualified	Respective ratio of number of qualified male & female candidates
2012	70000	--	3 : 2
2013	--	--	5 : 3
2014	48000	60%	--
2015	--	42%	9 : 5
2016	90000	64%	--

Q11. In 2016, if the number of female qualified candidates was 17600, what was the respective ratio of number of male qualified candidates and number of female qualified candidates?

- (a) 25 : 16
- (b) 5 : 4
- (c) 25 : 11
- (d) 21 : 16
- (e) 4 : 5

Q12. If the number of appeared candidates in 2017 were 40% more than that in 2012 and if 25% of the appeared candidates qualified in 2017 then what was the number of qualified candidates in 2017?

- (a) 24000
- (b) 22500
- (c) 25500
- (d) 24500
- (e) 26500



Q13. In 2013, the respective ratio of number of appeared candidates to the qualified candidates was 5:4. Number of female qualified candidates constitutes what per cent of number of appeared candidates in the same year?

- (a) 20
- (b) 25
- (c) 30
- (d) 15
- (e) 40

Q14. In 2015, if the difference between number of male qualified candidates and female qualified candidates was 7200, what was the number of appeared candidates in 2015?

- (a) 80000
- (b) 90000
- (c) 85000
- (d) 60000
- (e) None of these

Q15. If the average number of qualified candidates in 2012 and 2014 was 24900, what percent of appeared candidates qualified in the competitive exam in 2012?

- (a) 40%
- (b) 30%
- (c) 20%
- (d) 35%
- (e) 25%

Solutions

S1. Ans.(b)

Sol.

Required total no. of males

$$= \frac{90}{100} \times 20 + \frac{75}{100} \times 45 + \frac{80}{100} \times 36 + \frac{85}{100} \times 28 + \frac{70}{100} \times 15$$

$$= 114.85 \text{ thousand}$$

S2. Ans.(c)

Sol.

$$\text{Required percentage} = \frac{30 \times 36 - 18 \times 18}{18 \times 18} \times 100$$

$$= 233 \frac{1}{3}\%$$

S3. Ans.(a)

Sol.

no. of males from Maharashtra

$$= \left(\frac{80}{100} \times 36 + \frac{70}{100} \times 4 + \frac{72}{100} \times 18 \right)$$

$$= 44.56 \text{ thousand}$$

no. of males from Haryana

$$= \left(\frac{70}{100} \times 15 + \frac{82}{100} \times 18 + \frac{76}{100} \times 12 \right)$$

$$= 34.38 \text{ thousand}$$

$$\therefore \text{Required difference} = 44.56 - 34.38 = 10.18 \text{ thousands}$$

S4. Ans.(d)

Sol.

Total no. of females from Rajasthan and AP together for the post of CRPF

$$\frac{36}{100} \times 30 + \frac{25}{100} \times 15$$

$$= 14.55 \text{ thousand}$$

Total no. of females from Maharashtra and J & K together for the post of CRPF

$$= \frac{30}{100} \times 4 + \frac{20}{100} \times 16$$

$$= 4.4 \text{ thousand}$$

$$\therefore \text{Required percentage} = \frac{14.55}{4.4} \times 100$$

$\approx 330\%$

S5. Ans.(b)

Sol.

Required difference

$$= (15 + 30 + 4 + 16 + 18) - (10 + 20 + 18 + 20 + 12)$$

$$= 3 \text{ thousand}$$

S6. Ans.(e)

Sol.

$$?^2 = \frac{55}{100} \times 440 - \frac{80}{100} \times 345 + 2 \times 7^2$$

$$?^2 = 242 - 276 + 98 = 64$$

$$\Rightarrow ? = 8$$

S7. Ans.(a)

Sol.

$$? = \frac{209}{399} \times 21^2 - (11)^2$$

$$? = \frac{19 \times 11}{19 \times 21} \times 21^2 - 11^2$$

$$? = 231 - 121 = 110$$

S8. Ans.(c)

Sol.

$$? = 86 \times 5 + 26 \times 11 - 22 \times 13$$

$$? = 430 + 286 - 286$$

$$? = 430$$

S9. Ans.(b)

Sol.

$$? = (3 + 4 + 5 - 7) + \left(\frac{2}{5} + \frac{5}{6} + \frac{2}{3} - \frac{3}{4} \right)$$

$$= 5 + \frac{23}{20}$$

$$= 6 \frac{3}{20}$$

S10. Ans.(d)

Sol.

$$? = 9.8 \times 30 + 7.8 \times 50 - 6.4 \times 40$$

$$= 428$$

S11. Ans.(c)

Sol.

No. of qualified candidates in 2016

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$$= \frac{64}{100} \times 90000 = 57600$$

$$\therefore \text{no. of males} = 57600 - 17600 = 40000$$

$$\therefore \text{Required Ratio} = 40000 : 17600 = 25 : 11$$

S12. Ans.(d)

Sol.

No. of appeared candidates in 2017

$$= \frac{140}{100} \times 70000 = 98000$$

$$\text{Required no. of candidates} = \frac{25}{100} \times 98000 = 24500$$

S13. Ans.(c)

Sol.

Let appeared candidates in 2013 = 50000

\therefore then qualified candidates in 2013 = 40000

\therefore No. of female candidates qualified in 2013 = $\frac{3}{8} \times 40000 = 15000$

$$\therefore \text{Required \%} = \frac{15000}{50000} \times 100 = 30\%$$



S14. Ans.(d)

Sol.

Let no. of males qualified in 2015 = $9x$

\therefore No. of females qualified in 2015 = $5x$

$$\therefore 9x - 5x = 7200$$

$$x = 1800$$

$$\therefore \text{No. of candidates qualified in 2015} = 14x = 14 \times 1800 = 25200$$

Let no of appeared students = a

ATQ

$$a \times \frac{42}{100} = 25200$$

$$\therefore a = \frac{25200}{42} \times 100 = 60000$$

S15. Ans.(b)

Sol. let candidate who qualified in 2012 = x

Candidate who qualified in 2014 = $48000 \times 0.6 = 28800$

$$X = 24900 \times 2 - 28800 = 21000$$

$$\text{Required percent} = \frac{21000}{7} = 30\%$$

For any Banking/Insurance exam Assistance, Give a Missed call @ 01141183264

