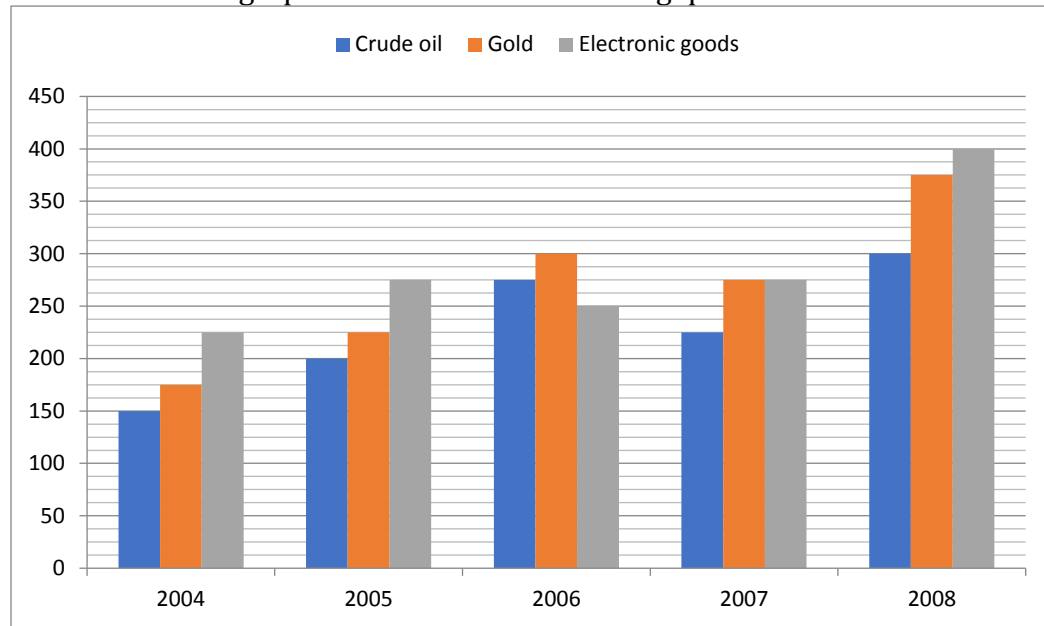


Quiz Date: 25th August 2020

Directions (1-5): Study the following bar graph which shows import of three different things (in tonnes) over five different years by India from foreign countries

Observe the bar-graph and answer the following questions.



Q1. Crude oil imported in the year 2008 is approximately what percent of crude oil imported in the year 2007?

- (a) 142%
- (b) 117%
- (c) 133%
- (d) 148%
- (e) 153%

Q2. Find the average of Gold imported over all the years (in tonnes)

- (a) 210 tonnes
- (b) 250 tonnes
- (c) 270 tonnes
- (d) 240 tonnes
- (e) 310 tonnes

Q3. The electronic goods imported in year 2007 and 2008 together is what percent of crude oil imported in 2006 and 2007 together?

- (a) 165%
- (b) 155%
- (c) 145%
- (d) 135%
- (e) 125%

Q4. Find the difference between total import of gold and total import of electronic goods over all the years.

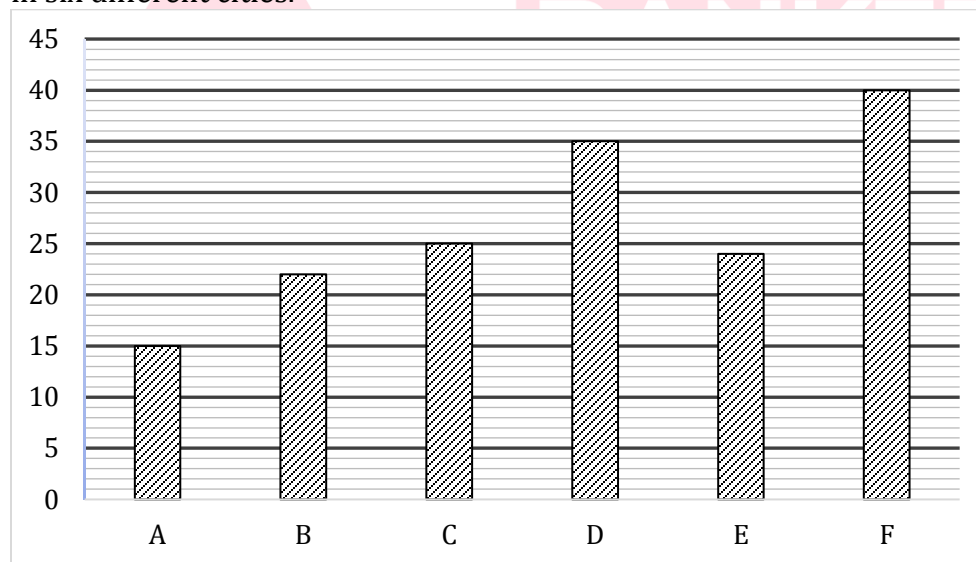
- (a) 75 tonnes
- (b) 85 tonnes
- (c) 60 tonnes
- (d) 65 tonnes
- (e) 40 tonnes

Q5. What is the ratio of total import of crude oil to total import of gold from 2004 to 2006 together?

- (a) 28 : 25
- (b) 25 : 28
- (c) 4 : 7
- (d) 7 : 4
- (e) 21 : 29

Directions (6-10): **Study the bar-graph carefully & answer the question.**

Bar- Graph given below shows the percentage of males out of total persons who visits park in six different cities.



Q6. If total population visiting park in city C is 75,000 then find total female who visitor park in city C?

- (a) 44,000
- (b) 62,480
- (c) 48,500
- (d) 56,250
- (e) 52,800

Q7. If ratio of total male population visiting park in city C to E is 2 : 3 then total population visiting park in city E is what percent of total population visiting park in city C?

- (a) 120%
- (b) $240\frac{1}{3}\%$
- (c) $156\frac{1}{4}\%$
- (d) 180%
- (e) $152\frac{1}{2}\%$

Q8. If total population in city F is 21000 of which 60% are visiting park. Then total male population visiting park in city F is how much more/less than total population in city A visiting park. Total population visiting park in city A is 50% more than total population visiting park in city F?

- (a) 12,480
- (b) 16,550
- (c) 13,860
- (d) 14,575
- (e) 18,000

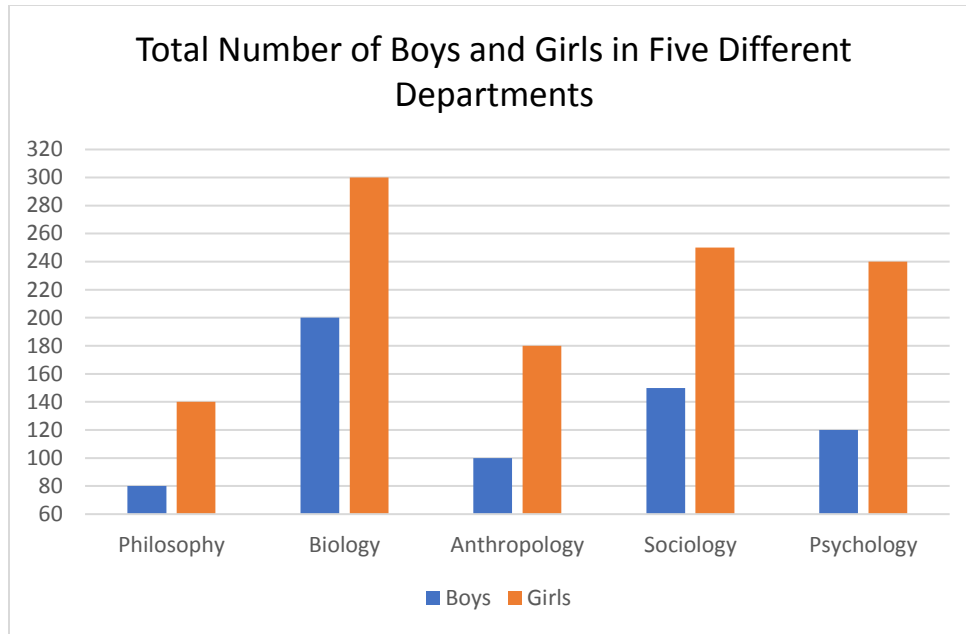
Q9. If males visiting park in city B is 4400 and males visiting park in city F is 50% of total males visiting park in city B then male park visitor in city B is what percent more/less than total park visitor in city F?

- (a) 20%
- (b) 25%
- (c) $42\frac{1}{2}\%$
- (d) 35%
- (e) 47%

Q10. If total males visiting park in city E and A together is 39000 & males visiting park E is 60% more than A then find total females visiting park in city E.

- (a) 120,000
- (b) 76,000
- (c) 132,000
- (d) 144,000
- (e) 84,830

Directions (11-15): Study the following graph carefully to answer the questions that follow:



Q11. The number of girls from Biology department is approximately what percent of the total number of girls from all the departments together?

- (a) 32
- (b) 21
- (c) 37
- (d) 43
- (e) 27

Q12. What is the difference between the total number of boys and the total number of girls from all the departments together?

- (a) 440
- (b) 520
- (c) 580
- (d) 460
- (e) 480

Q13. What is the average number of boys from all the departments together?

- (a) 122
- (b) 126
- (c) 130
- (d) 134
- (e) 184

Q14. The number of boys from Anthropology department is approximately what per cent of the total number of boys from all the departments together?

- (a) 15
- (b) 23
- (c) 31

- (d) 44
(e) 56

Q15. What is the respective ratio of number of girls from Philosophy department to the number of girls from Psychology department?

- (a) 1 : 2
(b) 7 : 12
(c) 5 : 12
(d) 3 : 4
(e) 5 : 7

Solutions

S1. Ans.(c)

Sol.

$$\begin{aligned}\text{Required percentage} &= \frac{300}{225} \times 100 \\ &\simeq 133\%\end{aligned}$$

S2. Ans.(c)

Sol.

$$\begin{aligned}\text{Required average} &= \frac{1}{5} \times (175 + 225 + 300 + 275 + 375) \\ &= \frac{1}{5} \times 1350 \\ &= 270 \text{ tonnes}\end{aligned}$$

S3. Ans.(d)

Sol.

$$\begin{aligned}\text{Required percentage} &= \frac{(275 + 400)}{(275 + 225)} \times 100 \\ &= 135\%\end{aligned}$$

S4. Ans.(a)

Sol.

$$\begin{aligned}\text{Required difference} &= (225 + 275 + 250 + 275 + 400) - (175 + 225 + 300 + 275 + 375) \\ &= 75 \text{ tonnes}\end{aligned}$$

S5. Ans.(b)

Sol.



Required ratio

$$\begin{aligned} &= \frac{(150 + 200 + 275)}{(175 + 225 + 300)} \\ &= \frac{625}{700} = \frac{25}{28} \end{aligned}$$

S6. Ans.(d)

Sol.

Total population visiting park in city C = 75,000

Female population visiting park from city C

$$= 75,000 \times \frac{(100-25)}{100} = 56,250$$

S7. Ans.(c)

Sol.

Let total male population in city C be $2x$ & total male population in city E be $3x$

$$\text{Required percentage} = \frac{3x \times \frac{100}{24}}{2x \times \frac{100}{25}} \times 100$$

$$= 156\frac{1}{4}\%$$

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S8. Ans.(c)

Sol.

Total population visiting park in city F

$$= 21000 \times \frac{60}{100} = 12,600$$

Total male population visiting park in city F

$$= 21,000 \times \frac{60}{100} \times \frac{40}{100} = 5040$$

Total population in city A visiting park

$$= 12600 \times 1.5 = 18,900$$

$$\text{Required difference} = 18,900 - 5040 = 13860$$

S9. Ans.(a)

Sol.

Total males visiting park in city B = 4,400

$$\text{So, total park visitor in city B} = \frac{4400}{22} \times 100 = 20,000$$

$$\text{Male park visitor in city F} = \frac{4400}{2} = 2200$$

$$\text{Total park visitor in city F} = \frac{2200}{40} \times 100 = 5500$$

$$\text{Required percentage} = \frac{(5500-4400)}{5500} \times 100 = 20\%$$

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S10. Ans.(b)

Sol.

Total males visiting park in city A be x

 \therefore total males visiting park in city E = 1.6x

Atq,

$$x + 1.6x = 39000$$

$$2.6x = 39000$$

$$x = 15000$$

So, total females visiting park in city E

$$= 1.6 \times 15,000 \times \frac{76}{24} = 76,000$$

S11. Ans.(e)

Sol.

Required percentage

$$= \frac{300}{(140 + 300 + 180 + 250 + 240)} \times 100 = 27.02\% \approx 27\%$$

S12. Ans.(d)

Sol.

Required difference

$$= (140 + 300 + 180 + 250 + 240) - (80 + 200 + 100 + 150 + 120)$$

$$= 1110 - 650$$

$$= 460$$

S13. Ans.(c)

Sol.

Required average no. of boys

$$= \frac{1}{5} \times (80 + 200 + 100 + 150 + 120)$$

$$= \frac{1}{5} \times 650$$

$$= 130$$

S14. Ans.(a)

Sol.

$$\text{Required percentage} = \frac{100}{650} \times 100 = 15.38 \approx 15\%$$

S15. Ans.(b)

Sol.

$$\text{Required ratio} = \frac{140}{240} = 7 : 12$$

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