Bar Graph

Solution

1. **Answer: (E)**
Profit on Gas = $\frac{2200}{4}$
= 550
Profit on campus = $\frac{550}{11} \times 9$
= 450
∴ Required percentage
$= \frac{100}{550} \times 100$
$= 18\frac{2}{11}\%$

2. **Answer: (D)**
Number of tigers in National Park B and C together in 2018 = 52+32=84
Number of tigers in National Park A and D together in 1998 = 64+80=144
Required difference = 144–84=60

3. **Answer: (B)**
Number of tigers in National Park D in 1998 and 2018 together = 80+48=128
Number of tigers in National Park C in 1998 and 2018 together = 48+32=80
Required % = $\frac{128}{80} \times 100 = 160\%$

4. **Answer: (A)**
Required ratio = $\frac{36}{40} = \frac{9}{10}$

5. **Answer: (E)**
Number of tigers in National Park E in 2018 = $\frac{140}{100} \times 80 = 112$
Number of tigers in National Park E in 1998 = $\frac{75}{100} \times 32 = 24$
Number of tigers in National Park E in 1998 and 2018 together = 112 + 24 = 136

6. **Answer: (B)**
Total number of tiger in 2018 = 36 + 52 + 32 + 48 = 168
Total number of tigers in 1998 = 64 + 40 + 48 + 80 = 232
Required difference = $\frac{232}{4} - \frac{168}{4} = \frac{64}{4} = 16$

7. **Answer: (E)**
Total People = 40 + 42 + 40 + 60 = 182

8. **Answer: (B)**
Required difference = [62 + 54] – [50 + 40]
= 26

9. **Answer: (C)**
Required average $= \frac{62+60+30+40}{4} = \frac{192}{4} =$ 48

10. **Answer: (D)**
People who visited on Friday
$= \frac{40\times120}{100} + \frac{60\times130}{100} = 126$

11. **Answer: (A)**
Required percent = $60/60 \times 100 = 100\%$

12. **Answer: (D)**
Total number of member enrolled in 2017 = 160% of (150 + 70)
$\frac{220\times160}{100} = 352$

13. **Answer: (E)**
Required ratio =
$\frac{No.of\ members\ in\ Project\ A\ and\ B\ in\ 2013}{No.of\ members\ in\ Project\ A\ and\ B\ in\ 2016}$
$= \frac{60+210}{70+150} = \frac{270}{220} = \frac{27}{22} = 27:22$

14. **Answer: (E)**
Required ratio
$= \frac{No.of\ members\ in\ Project\ A\ \ in\ 2013}{No.of\ members\ in\ Project\ \ B\ in\ 2016} \times 100$
$= \frac{60}{150} \times 100 = 40\%$

15. **Answer: (B)**
Total number of members enrolled in Project A from 2013 to 2016
= 60 + 140 + 200 + 70
= 470
Total number of members enrolled in Project B in 2015 and 2016 together
= 240 + 150 = 390
∴ Difference = 470 – 390 = 80
∴ Required % more = $\frac{80}{390} \times 100 =$ $20.51\%\ more$

16. **Answer: (C)**

Total number of members enrolled in Project B in 2015 and 2016 together = 240 + 150 = 390

Total number of members enrolled in Project A in 2012 and 2016 = 170 + 70 = 240

∴ Required % = $= \frac{390-240}{240} \times 100$

$= \frac{150}{240} \times 100 = 62.5\%$

17. Answer: (C)

Average production of firm T

$= \frac{360+240}{2} = 300$

Average production of firm P

$= \frac{380}{2} = 190$

Required difference = 110

18. Answer: (B)

Required sum = 260 + 360 + 200 + 380 = 1200

Required average = $\frac{1200}{4} = 300$

19. Answer: (D)

Production of S in 2007 = $\frac{4}{3} \times 360 = 480$

Production of T in 2007 = $240 + 240 \times \frac{35}{100}$

= 240 + 84

= 324

Required sum 804

20. Answer: (A)

Production of Q in 2005 = 230

Production of S in 2006 = 360

Production of T in 2006 = 240

Production of U in 2005 = 200

Required ration

$= \frac{230+360}{240+200} = \frac{590}{440} => 59 : 44$

