# APTITUDE QUIZ

**Q1. Ravi alone can do a work in 16 days. Trisha's efficiency is 20 % lesser than that of Ravi. If Archana and Trisha together can do the same work in 12 days, then find the efficiency ratio of Archana to that of Ravi?**

(a) 6: 13

(b) 8: 15

(c) 15: 8

(d) 17: 9

(e) 12: 7


**Q2. A 120 m long train can cross a tunnel of some length in 48 sec. if it runs at its normal speed. If it increases its speed by 6 km/h it crosses the same tunnel in 12 sec. lesser than that of the original time. Find length of tunnel.**

(a) 100 m

(b) 140 m

(c) 120 m

(d) 160 m

(e) 80 m

**Q3. I have 4 coins of Rs. 1, 3 coins of Rs. 5 and 5 coins of Rs. 10 in my pocket. I buy a dozen banana and give Rs. 38 for it. What is the probability of being all types of coins in the money given by me?**

(a) 40/99

(b) 35/99

(c) 25/99

(d) 23/99

(e) 70/99

**Q4. There is a mixture of alcohol and water in which the ratio of alcohol to water is 4 : 5. A person wants to dilute it up to 30% of alcohol. What part of initial quantity of water he should mix in it.**
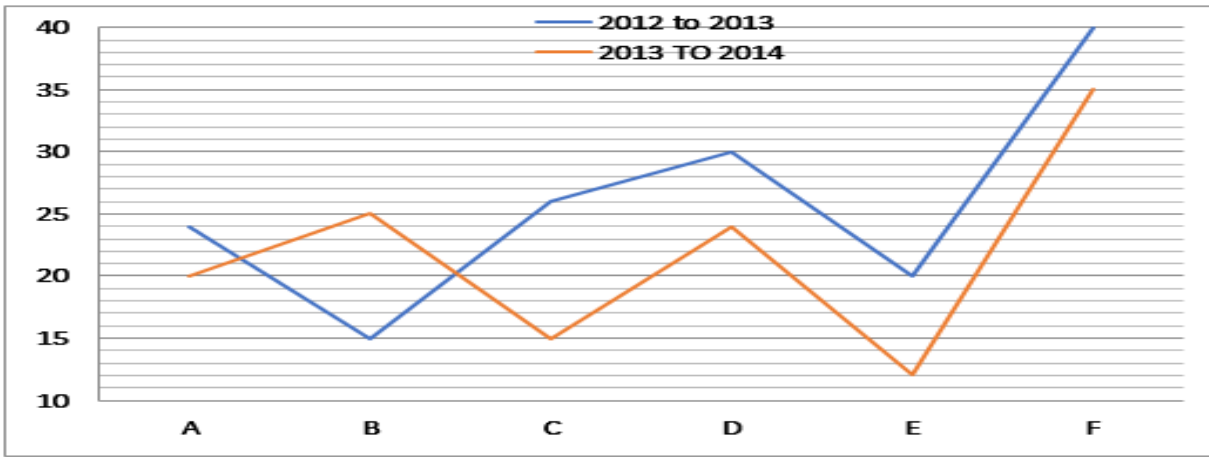
(a)  13/15

(b) 11/15

(c) 14/15

(d) 4/5

(e) None of these

**Q5. The radius of a circle is three fifth of that of a sphere. The volume of the sphere is 4000π/3 m^3. If ratio between area of a square and that of the circle is 14: 11, then what is the perimeter of the square (Use π 22/7)**

(a) 64 m

(b) 52 m

(c) 48 m

(d) 32 m

(e) 40 m

**Directions (6-10): The following line graph shows the percentage rise in the population of six different cities during the period 2012 to 2013 and 2013 to 2014. Answer the following questions-**



**Q6. If the population of City A was 10 lakhs in 2012 then what will be its population in 2014?**

(a) 13.26 lakh

(b) 13.72 lakh

(c) 14.24 lakh

(d) 14.88 lakh

(e) 15.64 lakh

**Q7. If the population of City C is 19.9962 lakh in 2014 then what was its population in 2012?**

(a) 13.8 lakh

(b) 14.2 lakh

(c) 14.6 lakh

(d) 15.4 lakh

(e) 15.2 lakh

**Q8. If the population of City B and City F in 2012 were 14 lakh and 14.5 lakh respectively then what will be the total population of City B and City F together in 2013?**

(a) 33.2 lakh

(b) 36.4 lakh

(c) 37.5 lakh

(d) 38.6 lakh

(e) None of these

**Q9. If in the year 2012 the population of City D and City E were equal, then the population of City D in 2014 is approximately what per cent of the total population of City E in 2013?**

(a) 112.8%

(b) 127.4%

(c) 134.3%

(d) 137.2%

(e) 142%

**Q10. The population of City A in 2012 was what percent of its population in 2014?**

(a) 67.2%

(b) 78.4%

(c) 87.5%

(d) 112.6%

(e) 148.8

**Direction (Q11-15): What should come in the place of question mark (?) in the following number series problems?**

**Q11. 325, 314, 288, 247, 191, ?**

(a) 126

(b) 116

(c) 130

(d) 120

(e) 110

**Q12. 620, 632, 608, 644, 596, ?**

(a) 536

(b) 556

(c) 656

(d) 646

(e) 436

**Q13. 120, 320, ?, 2070, 5195, 13007.5**

(a) 800

(b) 920

(c) 850

(d) 900

(e) 820

**Q14. 6, 4, 8, 23, ?, 385.25**

(a) 84.5

(b) 73

(c) 78.5

(d) 82

(e) 72.5

**Q15. 5, 11, 32, 108, 444, ?**

(a) 1780

(b) 2230

(c) 1784

(d) 2225

(e) 2245

**ANSWERS**

**1. B**

**2. C**

**3. D**

**4. A**

**5. C**

**6. D**

**7. A**

**8. B**

**9. C**

**10. A**

**11. D**

**12. C**

**13. E**

**14. A**

**15. B**