**Question 51.A & B together finish a job in 24 days, while A, B & C together can finish the same job in 8 days. C alone will finish the job in**

**Options:**

**1**) 12 days

**2**) 14 days

**3**) 16 days

**4**) 24 days

**Correct Answer:** 12 days

**Question 52.Area of the circle inscribed in a square of diagonal 6√2 cm (in sq cm) is**

**Options:**

**1**) 9 Π

**2**) 6 Π

**3**) 3 Π

**4**) **9√2**Π

**Correct Answer:** 9 Π

**Question 53.The original price of a TV set is Rs. 6,000. If the price is discounted by 20% and then raised by 10% for service contract, the price charged by the shopkeeper is**

**Options:**

**1**) Rs. 5400

**2**) Rs. 5280

**3**) Rs. 5100

**4**) Rs.4200

**Correct Answer:** Rs. 5280

**Question 54.A certain sum of money was divided between A, B and C in the ratio 5:6:9. If A received Rs. 450 the sum divided was**

**Options:**

**1**) 2000

**2**) 1800

**3**) 2250

**4**) 1000

**Correct Answer:** 1800

**Question 55.By selling a bag at Rs. 230, profit of 15% is made. The selling price of the bag, when it is sold at 20% profit would be**

**Options:**

**1**) Rs.250

**2**) Rs.205

**3**) Rs.240

**4**) Rs.200

**Correct Answer:** Rs.240

**Question 56.The weights of two iron balls are 3.5 kg and 7.5 kg. What is the percentage weight of the 1st ball with respect to 2nd ball.**

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**Question 57.A Bus travels at the speed of 36 km/hr, then the distance covered by it in one second is**

**Options:**

**1**) 10 m

**2**) 15 m

**3**) 12.5 m

**4**) 13.5 m

**Correct Answer:** 10 m

**Question 58.**

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**Options:**

**1**) (a+b)/(a-b)

**2**) -1

**3**) 2ab

**4**) 1

**Correct Answer:** 1

**Question 59.The value of (1 - √2) + (√2 - √3) + (√3 - √4) + ..... + (√15 - √16) is**

**Options:**

**1**) 0

**2**) 1

**3**) -3

**4**) 4

**Correct Answer:** -3

**Question 60.∆ABC and ∆DEF are two similar triangles and the perimeter of ∆ABC and ∆DEF are 30 cm and 18 cm respectively. If length of DE = 36 cm, then length of AB is**

**Options:**

**1**) 60 cm

**2**) 40 cm

**3**) 45 cm

**4**) 50 cm

**Correct Answer:** 60 cm

**Question 61.If the length of a chord of a circle is equal to that of the radius of the circle, then the angle subtended, in radians, at the centre of the circle by chord is**

**Options:**

**1**) 1

**2**) ∏/2

**3**) ∏/3

**4**) ∏/4

**Correct Answer:** ∏/3

**Question 62.The value of (sec245o - cot245o) - (sin230o + sin260o) is**

**Options:**

**1**) 1

**2**) 2√3

**3**) 0

**4**) 1/**√2**

**Correct Answer:** 0

**Question 63.The average salary of male employees in a firm was Rs. 5200 and that of females was Rs. 4200. The mean salary of all the employees was Rs. 5000. What is the % of female employees?**

**Options:**

**1**) 80%

**2**) 20%

**3**) 40%

**4**) 30%

**Correct Answer:** 20%

**Question 64.**

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**Options:**

**1**) 1

**2**) -1

**3**) 4

**4**) 2√5

**Correct Answer:** 1

**Question 65.The cube of 105 is**

**Options:**

**1**) 1157625

**2**) 1175625

**3**) 1185625

**4**) 1158625

**Correct Answer:** 1157625

**Question 66.In ∆ABC, ∠B is right angle, D is the mid point of the side AC. If AB = 6 cm, BC = 8cm, then the length of BD is**

**Options:**

**1**) 4 cm

**2**) 5 cm

**3**) 8 cm

**4**) 12 cm

**Correct Answer:** 5 cm

**Question 67.The diagonals of two squares are in the ratio 5:2.The ratio of their area is**

**Options:**

**1**) 5:6

**2**) 25:4

**3**) 5:4

**4**) 125:8

**Correct Answer:** 25:4

**Question 68.The angle of elevation of a ladder leaning against a wall is 60o and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is**

**Options:**

**1**) 2.3 m

**2**) 4.6 m

**3**) 9.2 m

**4**) 7.8 m

**Correct Answer:** 9.2 m

**Question 69.The product of two 2-digit numbers is 2160 and their H.C.F. is 12. The numbers are**

**Options:**

**1**) (12, 60)

**2**) (72, 30)

**3**) (36, 60)

**4**) (60, 72)

**Correct Answer:** (36, 60)

**Question 70.The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Rs. 1. The sum (in Rs.) is:**

**Options:**

**1**) 620

**2**) 630

**3**) 640

**4**) 625

**Correct Answer:** 625

**Question 71.In a mixture of 25 litres, the ratio of milk to water is 4:1. Another 3 litres of water is added to the mixture. The ratio of milk to water in the new mixture is**

**Options:**

**1**) 5:1

**2**) 5:2

**3**) 5:3

**4**) 5:4

**Correct Answer:** 5:2

**(Question 72-75):-**

**Question 72.A constituency is divided in four regions A, B, C and D. Two candidates X & Y contested the last election from that constituency. The adjoining graph gives the break up of voting in the four regions. Study the graph and answer the following questions.**

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**Approximately how much percent of voters voted in favour of X?**

**Options:**

**1**) 45.4

**2**) 47.5

**3**) 50

**4**) 225

**Correct Answer:** 47.5

**Question 73.A constituency is divided in four regions A, B, C and D. Two candidates X & Y contested the last election from that constituency. The adjoining graph gives the break up of voting in the four regions. Study the graph and answer the following questions.**

**Approximately how much percent of voters did not caste their votes?**

**Options:**

**1**) 4.9

**2**) 4.5

**3**) 0.23

**4**) 23

**Correct Answer:** 4.9

**Question 74.A constituency is divided in four regions A, B, C and D. Two candidates X & Y contested the last election from that constituency. The adjoining graph gives the break up of voting in the four regions. Study the graph and answer the following questions.**

**In region B, Y gets A% more votes than X. Find the value of A?**

**Options:**

**1**) 24%

**2**) 21%

**3**) 19%

**4**) 15%

**Correct Answer:** 21%

**Question 75.A constituency is divided in four regions A, B, C and D. Two candidates X & Y contested the last election from that constituency. The adjoining graph gives the break up of voting in the four regions. Study the graph and answer the following questions.**

**Nearly what percentage of his total votes did X receive from region B?**

**Options:**

**1**) 30

**2**) 31

**3**) 32

**4**) 35

**Correct Answer:** 32