

Solve KPIT Technologies Placement Test Questions Paper

APTITUDE QUESTIONS

Q1. A 14.4 kg gas cylinder runs for 104 hours when the smaller burner on the gas stove is fully opened while it runs for 80 hours when the larger burner on the gas stove is fully opened. Which of these values are closest to the percentage difference in the usage of gas per hour, of the smaller burner over the larger burner?

- a) 26.23%
- b) 30%
- c) 2.23%
- d) 23.07%

Q2. She was given a very decorative paper ----- to stop all her papers blowing away once the window was opened.

- a) weight
- b) heavy
- c) block
- d) stone

Q3. To a sugar solution of 3 litres containing 40% sugar, one litre of water is added. The percentage of sugar in new solution is:

- a) $13\frac{1}{3}\%$
- b) 15%
- c) 30%
- d) 33%

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Q4. For every correct answer 4 is awarded but for a wrong answer 2 is deducted. If there are a total of 150 questions and Sukanya scores 480 how many answers of Sukanya were correct?

ANS: 130

Q5. A figure was given: How many colors are needed so that no adjacent faces have same color?

- a) 3
- b) 4
- c) 5

ARITHMETICAL ABILITY QUESTIONS

Q1. Two trains move in the same direction at 50 kmph and 32 kmph respectively. A man in the slower train observes the 15 seconds elapse before the faster train completely passes by him. What is the length of faster train?

- a) 100 m
- b) 75 m
- c) 120 m
- d) 50 m

ANS: b

Q2. A simple interest amount of Rs 5000 for six month is Rs 200. What is the annual rate of interest?

- a) 10%
- b) 6%
- c) 8%

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d) 9%

ANS: c) 8%

Q3. City A's population is 68000, decreasing at a rate of 80 people per year. City B having population 42000 is increasing at a rate of 120 people per year. In how many years both the cities will have same population?

ANS: 130 years

Q4. A man buys 12 lts of liquid which contains 20% of the liquid and the rest is water. He then mixes it with 10 lts of another mixture with 30% of liquid. What is the % of water in the new mixture?

Q5. What is the angle between the two hands of a clock when time is 8:30?

ANS: 75(approx)

Q6. The ratio of the number of boys and girls in a school is 3:2. Out of these 10% the boys and 25% of girls are scholarship holders. What is the % of students who are not scholarship holders?

Q7. There are two circles, one circle is inscribed and another circle is circumscribed over a square. What is the ratio of area of inner to outer circle?

ANS: 1: 2

Q8. How many 1s are there in the binary form of $8 \times 1024 + 3 \times 64 + 3$?

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ANS: 4

Q9. In simple interest what sum amounts of Rs.1120/- in 4 years and Rs.1200/- in 5 years?

- a) Rs. 500
- b) Rs. 600
- c) Rs. 800
- d) Rs. 900

ANS: c

Q10. Find the value of $(0.75 * 0.75 * 0.75 - 0.001) / (0.75 * 0.75 - 0.075 + 0.01)$?

- a) 0.845
- b) 1.908
- c) 2.312
- d) 0.001

ANS: a

APTITUDE TEST QUESTIONS AND ANSWERS

Q1. What is the smallest number by which 2880 must be divided in order to make it into a perfect square?

- a) 3
- b) 4
- c) 5
- d) 6

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ANS: c

Q2. If a boat is moving in upstream with velocity of 14 km/hr and goes downstream with a velocity of 40 km/hr, then what is the speed of the stream?

- a) 13 km/hr
- b) 26 km/hr
- c) 34 km/hr
- d) none of these

ANS: a

Q3. A certain number of men can finish a piece of work in 10 days. If however there were 10 men less it will take 10 days more for the work to be finished. How many men were there originally?

- a) 110 men
- b) 130 men
- c) 100 men
- d) none of these

ANS: a

Q4. On a particular day A and B decide that they would either speak the truth or will lie. C asks A, whether he is speaking truth or lying? He answers and B listens to what he said. C then asks B, what A has said B says, A says that he is a liar. What is B speaking?

- a) Truth
- b) Lie
- c) Truth when A lies

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d) Cannot be determined

ANS: b

Q5. 20% of a 6 litre solution and 60% of 4 litre solution are mixed. What percentage of the mixture of solution?

ANS: 36%

Q6. A works thrice as much as B. If A takes 60 days less than B to do a work then find the number of days it would take to complete the work if both work together?

ANS: 22 1/2 days

Q7. Which of the following fractions is less than $\frac{1}{3}$?

- a) $\frac{22}{62}$
- b) $\frac{15}{46}$
- c) $\frac{2}{3}$
- d) 1

ANS: b

Q8. Find $(7x + 4y) / (x - 2y)$ if $x/2y = 3/2$?

- a) 6
- b) 8
- c) 7
- d) data insufficient

ANS: c

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Q9. 5 men or 8 women do equal amount of work in a day. A job requires 3 men and 5 women to finish the job in 10 days how many woman are required to finish the job in 14 days?

- a) 10
- b) 7
- c) 6
- d) 12

ANS: b

Q10. The population of a city increases @ 4% p.a. There is an additional annual increase of 4% of the population due to the influx of job seekers, find the % increase in population after 2 years?