## D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS) APTITUDE TEST

## **DECIMAL FRACTION – TEST 43**

1. If 1.5x = 0.04y, then the value of ((y - x) / (y+x)) is : a) 73/77 b) 7.3/77 730/77 c) d) 7300/77 2. When 0.36 is written in simplest form, the sum of the numerator and the denominator is : 15 34 b) a) 64 13 c) d) 3. Which of the following fractions is greater than 3/4 and less than 5/6? 3 / 5 b) 4 / 5 a) 9/5 7 / 5 d) c) 4. When 0.232323.... is converted into a fraction, then the result is 1/5a) b) 2/923/99 23/100 c) d) 5. If 47. 2506 = 4\*A + 7/B + 2\*C + 5/D + 6\*E, then the value of 5\*A + 3\*B + 6\*C + D + 6\*E3\*E is : 55.6003 53.603 a) b) 153.6003 d) 213.003 c) (0.1667) (0.8333) (0.3333)is approximately 6. (0.2222) (0.6667) (0.1250)equal to: 2 b) 2.40a) 2.43 c) d) 2.507. Let F = 0.84181. When F is written as a fraction in lowest terms, the denominator exceeds the numerator by: 13 b) 14 a) 29 d) 87 c) 8. What is the difference between the biggest and the smallest  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{4}{5}$  and  $\frac{5}{6}$ ? 1/6b) 1/12a) 1/201/30c) d) 9. 40.83 x 1.02 x 1.2 = ? 41.64660 b) 42.479532 a) 49.97592 d) 58.7952 c) 10. Find the value of the following expression upto four places of decimals  $1 + \frac{1}{1 \times 2} + \frac{1}{1 \times 2 \times 4} + \frac{1}{1 \times 2 \times 4 \times 8} + \frac{1}{1 \times 2 \times 4 \times 8 \times 16}$ 1.6414 b) 1.6415 a) 1.6416 d) 1.6428 c) 11. 4.036 divided by 0.04 gives: 1.009 b) 10.09 a) 100.9 None of these c) d) 12. <u>965.4 - 896.3</u> 9.654 + 8.963 96.54 - 89.63 96.54 + 89.63

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10-2 10-1 b) a) 10 None of these c) d) 13.617 + 6.017 + 0.617 + 6.0017 = ?6.2963 b) 62.965 a) 629.6357 None of these c) d) 14. The price of commodity X increases by 40 paise every year, while the price pf commodity Y increases by 15 paise every year. If in 2001, the price of commodity X was Rs. 4.20 and that of Y was Rs. 6.30, in which year commodity X will cost 40 paise more than the commodity Y? 2010 b) 2011 a) 2012 2013 c) d) 15. 138.009 + 341.981 - 146.305 = 123.6 + ? 120.085 b) 120.85 a) 220.085 None of these c) d) 16. 51.3 + 7.078 + 1.38 + 0.9 = ?50.658 b) 60.658 a) c) 70.658 d) 80.658 17. When 0.36 is written in simplest form, the sum of the numerator and the denominator is : 23 a) 12 b) 34 45 c) d) 18. The product of 3.5413 x 2.1 is 7.43673 b) 74.3673 a) c) 743.673 d) None of the above 19. [( 3.242 x 14 ) / 100] = ? 45.388 4.5388 a) b) 0.45388 d) 0.045388 c)  $20.9.724 \div 100 = ?$ a) 9.724 b) 0.9724 0.09724 None of the above d) c) 21. A person was asked to state his age in years. His reply was, "Take my age 3 years hence, multiply it by 3 and subtract 3 times my age 3 years ago and you will know how old I am." What was the age of a) 16 b) 17 c) 18 d) 19 22. The expression (11.98 \* 11.98 + 11.98 \* (x) + 0.02 \* 0.02) will be a perfect square for x equal to : 4 0.4 a) b) 0.04 None of the above d) c) 23. 0.000033 / 0.11=? 0.3 b) 0.03 a) c) 0.003 d) 0.0003 24. 3 x 0.3 x 0.03 x 0.003 x 30=? 0.02430 a) 0.002430 b) 0.2430 d) 2.430 c) 25. Which of the following fraction is the smallest? a) 3/7 b) 5/79/11 c) d) 11/13

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