

Combined 5 Bank Officer Exam Question Solutions 2018:

বাংলা:

১. র,ল,ব, ষ

২. পাখি

৩. আবর্তন

৪. আচ্ছন্ন

৫. একটি

৬. ইদানিং

৭. কার

৮. উপপদ

৯. অপরিবর্তন যোগ্য পদক্রম

১০. ভাষারীতি

১১. ধ্বন্যাত্মক

১২. পাবন

১৩. ভাত

১৪. জিহীর্ষা

১৫. নীতিমূলক

১৬. সরল ভাষা

Math Part:

33. The values of p for equation $2x^2-4x+p = 0$ to have real root is: --- to have one or more real roots, $b^2-4ac \geq 0$ or, $(-4)^2 - 4 \times 2 \times p \geq 0$ or, $-8p \geq -16$ or, $p \leq 2$. ----- [C] .

34. How many integers from 1 to 100 are divisible by 3 but not by 8? --- divisible by 3 = $100/3 = 33$ integers divisible by 8&3, or $24 = 100/24 = 4$ divisible by 3 but not by 8 = $33-4 = 29$. ----- [B]

35. If $x:y = 5:3$, then $(8x+5y) : (8x-5y) = ?$ --- $x:y = 5:3$ $x = 5y/3$ $8x = 40y/3$ $(8x+5y) : (8x-5y) = (40y/3 + 5y) : (40y/3 - 5y) = 55y : 25y = 11 : 5$. ----- [D]

37. If $a+1/a = 2$, what is $a^3 + 1/a^3$? --- $(a+1/a) = 2 \Rightarrow a^3 + 1/a^3 + 3 \times a \times 1/a \times (a+1/a) = 2^3 \Rightarrow a^3 + 1/a^3 + 3 \times 2 = 8 \Rightarrow a^3 + 1/a^3 = 2$. ----- [C]

38. If 10% of x is equal to 25% of y, and $y = 16$, what is the value of x? --- $x \times 10/100 = y \times 25/100$ $2x = 5y = 5 \times 16 = 80$ $x = 40$. ----- [D]

39. If $\sin A + \sin^2 A = 1$, then the value of the expression $(\cos^2 A + \cos^4 A)$ is --- $\sin A + \sin^2 A = 1 \Rightarrow \sin A + \sin^2 A = \sin^2 A + \cos^2 A \Rightarrow \cos^2 A = \sin A$ $\cos^2 A + \cos^4 A = \sin A + \sin^2 A = 1$. ----- [A]

40. A pole casts a $\sqrt{3}$ m long shadow on the ground at an elevation 60° , the height of the pole is --- . $\Theta = 60^\circ$, $b = \sqrt{3}$, $h = ?$ we know, $\tan \Theta = h/b$ $\tan 60^\circ = h/\sqrt{3}$ $\sqrt{3} = h/\sqrt{3}$ $h = 3$. ----- [A]

Computer part:

73. A. An interpreter

74. B. 6 Digits

75. B. Dynamic RAM

76. C. An Address

77. B.72

78. D. Theme

79. A. Providing security against unauthorized users

80. C. Ctrl+H