

- (c) Being selected as a reserve driver by Team Ferrari for the 2011 Formula one season.  
 (d) None of the above.
87. The United Nations Framework Convention on Climate Change meeting of 2010 December was held in which of the following places?  
 (a) Colorado (b) Canberra (c) Cancun (d) None of the above.
88. Which of the following pairings is incorrect?  
 (a) Muammar Gaddafi—Syria (b) Fidel Castro—Cuba  
 (c) Pol Pot—Cambodia (d) Hosni Mubarak—Egypt.
89. The Right of Children to Full and Compulsory Education Act 2009 requires private schools to ensure that \_\_\_\_\_ percent of their students come from weaker sections and disadvantaged groups?  
 (a) 2 (b) 15 (c) 25 (d) 40
90. Srikrishna Committee, which recently submitted its report, was constituted for which of the following issues?  
 (a) Mumbai bomb blast case (b) Malegaon blast case  
 (c) Telengana issue (d) 2G Spectrum corruption issue

## MATHEMATICS

91. Akbar will turn 50 when his son Jehangir turns 18. What will be Akbar's age when it will be exactly 5 times that of Jehangir?  
 (a) 36 (b) 40 (c) 44 (d) 48
92. Arun can climb a Coconut tree by 1.5 feet by each lift; however he slips 0.5 feet every time he makes the next lift. How many individual lifts he will have to reach the top of the Coconut tree of 18.5 feet?  
 (a) 20 (b) 19 (c) 18 (d) 17
93. Jogen's taxable income for 2010-11 is Rupees 5, 00,000. The tax rates are (i) nil for first 1, 50,000, (ii) 10% for 1, 50,001—3, 00,000, and (iii) 20% for the remaining. His Tax liability is:  
 (a) Rs 45000 (b) Rs 50000 (c) Rs 55000 (d) Rs 60000
94. The ratio of two numbers is 4:5. But, if each number is increased by 20, the ratio becomes 6:7. The sum of such numbers is:  
 (a) 90 (b) 95 (c) 100 (d) 60
95. During the academic session 2009-10, in Banaras Hindu University, Varanasi, the number of students studying Arts, Law and Commerce was in the ratio of 5:6:7. If during the academic session 2010-11 the number of students studying Arts, Law and Commerce increased by 20%, 30% and 40% respectively, what will be new ratio?  
 (a) 26:42:63 (b) 36:44:73 (c) 26:39:49 (d) 30:39:49
96. A customized jewellery was sold at Rs 1000 with 90% discount on the 'making charges'. If the payment made for making charges was Rs 100, what is the *approximate* rate of discount on the product?  
 (a) 35 (b) 45 (c) 47 (d) 90
97. A man walks from his house to the Railway station to catch a train, which is running as per schedule. If he walks at 6 km/hr, he misses the train by 9 minutes. However, if he walks at 7 km/hr, he reaches the station 6 minutes before the departure of train. The distance of his home to the Railway Station is:  
 (a) 2 km (b) 1.5 km (c) 1.05 km (d) 1.25 km
98. Difference between two numbers is 9 and difference between their squares is 981. Lowest of the two numbers is:

- (a) 40                      (b) 50                      (c) 55                      (d) 59
99. Ms. Jhulan Goswami scores 102 runs in the 18<sup>th</sup> innings of her career and thus increases her average by 5. After the 18<sup>th</sup> inning, her average is:  
 (a) 17                      (b) 21                      (c) 26                      (d) 28
100. In a staff room of 25 teachers, 13 drink black coffee, 7 milk coffee, 9 drink both tea and either type of coffee, and everyone drinks either of the beverages. How many teachers drink only tea?  
 (a) Insufficient information                      (b) 5  
 (c) 6                      (d) 9
101. A box contains 90 discs which are numbered from 1 to 90. If one disc is drawn at random from the box, the probability that it bears a perfect square number is:  
 (a) 1/10                      (b) 1/11                      (c) 1/90                      (d) 1/9
102. Two coins are tossed simultaneously. The probability of getting at the most one head is:  
 (a) 1/4                      (b) 1/2                      (c) 3/4                      (d) 1
103. A flag pole 18 m high casts a shadow 9.6 m long. What is the distance of the top of the pole from the far end of the shadow?  
 (a) 20 metres                      (b) 20.04 metres                      (c) 20.4 metres                      (d) 24 metres
104. The 10<sup>th</sup> term of the series 5, 8, 11, 14,.....is  
 (a) 32                      (b) 35                      (c) 38                      (d) 185
105. A bag contains 19 red balls, 37 blue balls and 27 green balls. If a ball is picked up from this bag at random, what is the probability of picking a blue ball?  
 (a) 19/83                      (b) 37/87                      (c) 34/81                      (d) None of the above
106. A cylindrical tennis ball container can contain maximum three balls stacked on one another. The top and bottom balls also touch the lid and the base of the base of the container respectively. If the volume of a tennis ball is 240 cm<sup>3</sup>, then what is the volume of the container?  
 (a) 1080 cm<sup>3</sup>                      (b) 840 cm<sup>3</sup>                      (c) 1440 cm<sup>3</sup>                      (d) 720 cm<sup>3</sup>
107. Rajneetha walks around the circular park in 15 minutes. If she walks at the rate of 5 km/hr, how much distance would she have to travel, at the minimum, to reach the centre of the park from any point on its perimeter?  
 (a) 100 metre                      (b) 200 metre                      (c) 250 metre                      (d) 300 metre
108. If  $(9/7)^3 \times (49/81)^{2x-6} = (7/9)^9$ , then the value of x is:  
 (a) 12                      (b) 9                      (c) 8                      (d) 6
109. Francis has 18 eggs out of which 12 eggs were sold at 10% loss than the cost price. At what mark up should he sell the remaining eggs to cover his losses?  
 (a) 5%                      (b) 10%                      (c) 15%                      (d) 20%
110. If the length and height of a brick increases by 10% each respectively, and the breadth reduces by 20%, what is the percentage change in the volume of the brick?  
 (a) 28                      (b) 30                      (c) 32                      (d) 36

## LOGICAL REASONING

**Note: The following six questions comprise of one or more statements. Please answer the questions on the basis of the given statement(s). Please make the factual assumptions required by the question even if you believe the statement is false.**