

Questions based on fail and pass in examination

71. In a class, 55% students passed in Chemistry and 60% passed in Maths, 50% passed in both of these subjects. If 70 students failed in both Chemistry and maths, then what is the total number of students?
- (a) 700 (b) 350 (c) 650 (d) 200
 (SSC, C.G.L. 20.7.2014)
72. In the annual examination Mahuya got 10% less marks than Supriyo in Mathematics. Mahuya got 81 marks. The marks of Supriyo are :
- (a) 90 (b) 87 (c) 88 (d) 89
 (SSC, 10+2, 20.10.2013)
73. In an examination, a student must get 36% marks to pass. A student who gets 190 marks failed by 35 marks. The total marks in that examination is :
- (a) 810 (b) 450 (c) 625 (d) 500
 (SSC, 16.8.2015)
74. There sets of 40, 50 and 60 students appeared for an examination and the pass percentage was 100, 90 and 80 respectively. The pass percentage of the whole set is :
- (a) $88\frac{2}{3}$ (b) $84\frac{2}{3}$ (c) $88\frac{1}{3}$ (d) $84\frac{1}{3}$
 (SSC, 29.9.2013)
75. In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. If D got 320 marks out of 500, the marks obtained by A were :
- (a) 405 (b) 450 (c) 360 (d) 400
 (SSC, C.G.L., 29.9.2013)
76. In an examination, a student had to obtain 33% of the maximum marks to pass. He got 125 marks and failed by 40 marks. The maximum marks were
- (a) 500 (b) 600 (c) 800 (d) 1000
 (C.P.O. (S.I.), 12.12.2010)
77. In an examination, 93% of students passed and 259 failed. The total number of students appearing at the examination was
- (a) 3700 (b) 3850 (c) 3950 (d) 4200
 (SSC, (C.I.S.F.) 29.08.2010)
78. In a test consisting of 80 questions, a student answered 75% of the first 60 questions correctly. The percentage of the other questions she needs to answer correctly so that her score on the entire examination be 80% is
- (a) 20% (b) 25% (c) 50% (d) 95%
 (SSC, Tier-1 19.06.2011)
79. A student scored 32% marks in science subjects out of 300. How much should he score in language papers out of 200 if he is to get overall 46% marks?
- (a) 72% (b) 67% (c) 66% (d) 60%
 (SSC, M.T.S. 20.02.2011)

Questions based on valuation and de-valuation

84. Two years ago, the value of my motorbike was ₹ 62500. If the value depreciates by 4% every year, now its value is :
(a) ₹ 56700 (b) ₹ 57600 (c) ₹ 57500 (d) ₹ 55700

85. A man received ₹ 8,80,000 as his annual salary in the year 2007 which was 10% more than his annual salary in 2006. His annual salary in the year 2006 was
(a) ₹ 4,80,000 (b) ₹ 8,00,000 (c) ₹ 4,00,000 (d) ₹ 8,40,000 (SSC, 21.9.2014)

86. The value of an article depreciates every year at the rate of 10% of its value. If the present value of the article is ₹ 729, then its worth 3 years ago was
(a) ₹ 1250 (b) ₹ 1000 (c) ₹ 1125 (d) ₹ 1200 (SSC, DEO, 2.08.2009)

87. If fares are increased by $12\frac{1}{2}\%$ what is the present fare between places where earlier fare was ₹ 4?
(a) ₹ 4.50 (b) ₹ 4.75 (c) ₹ 5.00 (d) ₹ 5.50 (SSC, Tier-I 19.06.2011)

88. The value of an equipment depreciates by 20% each year. How much less will the value of the equipment be after 3 years?
(a) 48.8% (b) 51.2% (c) 54% (d) 60% (CISF, 31.07.2011)

89. The value of a machine depreciates by 10% every year. If its present value is ₹ 1,00,000, then its value 3 years ago was
(a) ₹ 1,33,100 (b) ₹ 1,33,000 (c) ₹ 1,30,000 (d) ₹ 1,30,100 (SSC, (C.I.S.F.) 29.08.2010)