Model Question Paper for M.Sc. Entrance Examination

Q. 1	The monthly average salary paid to all the employees of a company was ₹5000. The monthly average salary paid to male and female employees was ₹5200 and ₹4200 respectively. Then the percentage of males employed in the company is.			
	A. 75%	B. 80%	C. 85%	D. 90%
Q. 2	Find the slope of the tangent line to the graph of f at $x = 4$, given that $f(x) = x^2 + 4\sqrt{x}$			
	A. 6	B. 8	C. 10	D. 12
Q. 3	In Joint family there are father, mother, 3 married sons and one unmarried daughter. Of the sons, 2 have 2 daughters each and one has a son. How many female members are there in the family?			
	A. 3	B. 4	C. 5	D. 9
Q. 4	Complete the series $\dfrac{M}{AC} : \dfrac{O}{AE} : ; \dfrac{Q}{AG} : ?$			
	A $\dfrac{S}{AI}$	B. $\dfrac{T}{AJ}$	C. $\dfrac{U}{AK}$	D. none of these
Q. 5	Who described indifference curves as iso-utility			
	A. J.R. Hicks	B. P. Samuelson	C. Johnson	D. Eugene Slutsky
Q. 6	In perfect competition when a firm is in the short run equilibrium-			
	A. MC=MR; slope of MC > slope of MR; and MR=AR		B. MC=MR; slope of MC > slope of MR; and MC=AC	
	C. slope of MC > slope of MR; MR=AR; and MC=AC		D. MC=MR; slope of MC > slope of MR; MR=AR; and MC=AC	