Content for Sessional Exam - I

Contents/Topics	Exercises
Interval, Inequality, Relation and Functions, One-One and onto function.	Appendix E (Q23-44) Appendix F (Q17-36)
Vertical line test, Piecewise, Absolute value, Introduction to functions, Domain and Range, Symmetry, Even/odd function, Asymptote	**0.1** (1-04, 7-10, 27,28) **0.2**(5-18, 27-34, 53-63,66,67) **0.4**(9 to 16)
Concepts of limit. Evaluation of limits. Continuity and points of discontinuity. Types of discontinuity.	**1.1** (1-16) **1.2** (1,3-32) **1.5** (1-6,11-22, 29, 30, 35, 36)
Rules and techniques of differentiation. Product and quotient rule. Derivative of trigonometric and logarithm function, Chain rule Implicit differentiation.	**2.3** (1-24, 41-47) **2.4** (1-24) **2.5** (1-24) **2.6** (7-40) **2.7** (3-18,25-28)