**Structure of Question- Math1 (Mid)**

Q.1 Short questions (Any TEN) (10 x 2 = 20)

* Find the domain of f(x)
* Find the domain and range of f(x)
* Evaluate the limit
* Slope of the tangent and normal
* First nonzero term of Maclaurin series
* Derivative
* Find the stationary point
* Find the inflection point

Q.2. Answer any 4 Questions (4 x 5 = 20)

(a) Continuity

(b) First derivative

(c) First two nonzero terms of Taylor series

(d) The equation of tangent and normal

(e) Analysis of function