

section A :

1. (a) Domain, Range, or diffination - Inverse function

(b) continuity, differentiable.

(c) Indeterminate form.

2. (a) } Differentiation

(b) }

(c) Maximum and minimum.

3 (a) successive differentiation

(b) successive differentiation by Leibniz theorem

(c) tangent & normal.

4. (a) partial differentiation.

(b) Euler's theorem & its application

(c)

① Rolle's theorem

② mean value statement theorem

③ Euler's

④ Leibniz

Section : B :

5 (a) Indefinite Integral (Answer 3 out of 4)

(b)

(c)

6 (a) Different Integrals

(b)

(c)

7 (a) series

(b) } successive Integrals ⑤ * ①

(c)

8 (a) Area, volume, surface.

(b)

(c)



⑤ ⑥ ⑧ → exam. 27/11/12