



Department Of CED

Summer-2020

Subject: Applied Mathematics-II

Duration: Minutes

Instructor: Anwar Shamim

Total Marks: 30

Semester: Summer Semester

Note: Attempt

Q.No. 1

(3+3+4)

Find the solution of the following.

(a) $\int (X^2 \cdot e^X) dx$

(b) $\int (1+3t) \cdot t^3 dt$

(c) $\int (e^x - e^3) dx$

Q.No.(02)

(10)

Find the Taylor Series for $f(x) = e^{-6x}$ about $x = -4$

Q.No.(03)

(3+3+4)

Find the Derivative of the following.

(a) $F(y) = X \cdot \sin X$

(b) $F(y) = X^2 \cdot \cos X$

(c) $F(t) = Z \cdot (2Z-2)^2$
