Pabna Cadet College

Fortnightly Examination - 2021

Third Term Second Phase

Subject: Statistics

Class: XII

Time: 40 minutes Full Marks: 20

Answer all the questions.

1. The probability density function of x is given below

$$f(x) = \begin{cases} \frac{3}{4}(x^2 + 1), & 0 \le x \le 1\\ 0, & otherwise \end{cases}$$