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Daffodil International University

Department of Electrical and Electronic Engineering

Class test-01, Summer-2026, Sec: B

Course Code: 0542-221, Course Title: Probability &Statistics

Time: 40 Mints. **Marks: 15**

1.	Define variable. Classify variables according to their types and levels of measurement with suitable examples.	5
2.	The following table shows the power output (in kilowatts) of 18 different machines in a factory during a shift: 42, 35, 50, 28, 46, 31, 38, 55, 29, 60, 33, 40, 52, 48, 37, 41, 27, 44 i. Construct a frequency distribution table using an appropriate class interval. ii. Draw a Frequency polygon, and Ogive curve. iii. Calculate the percentage of machines produced less than or equal to 44 kilowatts of power during the shift?	10