PEC
EXPLORE INNOVATE EXCEL

PUNJAB ENGINEERING COLLEGE

Mid-Term Examination

Feb, 2020

Programme: **B.E.**
Course Name: **Engineering Analysis & Design**
Maximum Marks: **30**

Year/Semester: **2nd /4th sem**
Course Code: **ECN - 206**
Time Allowed: **1.5 Hours**

Note:

1. All questions are compulsory.
2. Unless stated otherwise, the symbols have their usual meanings in context with subject.
3. The candidates, before starting to write the solutions, should please check the question paper for any discrepancy.

Q.No		Marks
Q1.	What are the special features of an *XY* plot and what are its applications? Explain with example.	(4)
Q2.	List the functions of format strings and explain the uses with appropriate example.	(4)
Q3.	What does "polymorphic" means in context with LabVIEW? Explain with proper example.	(2)
Q4.	(a) Draw and explain the elementary elements of waveform graph and waveform chart in LabVIEW. (b) What are the basic differences between waveform graph and waveform chart.	(2) (2)
Q5.	(a) What is cluster Order in context with LabVIEW? Explain why it is important? (b) Explain the method of changing the value of an element in an existing cluster. Explain with suitable example.	(2) (2)
Q6.	Explain the all debugging techniques with example in LabVIEW Programming.	(4)
Q7.	Which type of Virtual Instruments in LabVIEW does not have a block diagram? Describe with appropriate example.	(4)
Q 8.	Explain any four types of case selectors in case structure in LabVIEW. Draw the case structure for each case selector and also comment on the maximum number of cases can be used with each case selector.	(4)