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Code No: 137FV

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, October/November - 2020

POWER QUALITY

(Electrical and Electronics Engineering)

AG AG
Time: 2 Hours

AG AG
Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

1. Formulate the power quality problems and draw neat wave forms. [15]
2. Explain the criteria for monitoring the power quality with suitable points. [15]
3. Distinguish between limits for the interruption frequency and interruption duration. [15]
- 4.a) Evaluate reliability to power quality.
b) List out the causes of long interruptions. [7+8]
5. Discuss the load influence on voltage sags. [15]
6. Explain in brief about phase angle jumps and three phase faults. [15]
7. List out the mitigation methods of sag in AC drives and explain. [15]
8. List out and explain about IEC Electromagnetic compatibility standards. [15]

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