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	PESIT Bangalore South Campus Hosur road, 1km before Electronic City, Bengaluru -100 Department of Electronics and Communication									

INTERNAL ASSESSMENT TEST 1		
Date	: 28/2/2017	Marks: 40
Subject & Code	: Biomedical Signal Processing – 16ESP24	Specialization : SP
Name of faculty	: Sastry R	Time : 11:30am -1:00pm
Note: Answer ALL FIVE full questions. Answer to the point ONLY.		Marks

- 1 Explain genesis and significance of Action Potential with neat waveforms. **8**
- 2 Clearly explain three types of Hjorth parameters for EEG signals. **8**
- 3 Discuss different sleep stages in EEG, with neat waveforms and its characteristics. **8**
- 4 Explain briefly, different types of Evoked potential (response) with respect to EEG. **8**
- 5 Briefly explain the following EEG spike detection techniques: **8**
 (i) Template Matching (ii) Matched Filter