

[P-118-163(T2)]
MARKING SCHEME

Total No. of Questions – []

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G.R. No.	
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OCTOBER 2018 / IN - SEM (T2)

F. Y. M. TECH. (E&TC) (SEMESTER -I)

COURSE NAME: Biomedical Signal Processing

COURSE CODE: ETPA11183C

(PATTERN 2018)

Time: [1 Hour]
2

[Max. Marks: 10]

Q.1) i) Explain STFT. Discuss its short comings

-- Explain STFT (concept of windowing, segmentation of data and equation of STFT -4marks.

Drawbacks (2marks)-Appropriate selection of Window length
Time frequency trade off

ii) Explain Welch method 2marks
Windowing Technique 2 marks

OR

Q.2) Time domain features: P wave amplitude and time duration, QRS complex time and amplitude, ST segment time duration, R-R peak interval (6 marks), Frequency domain features: Energy, Power spectral density, Autocorrelation features, periodogram (4 marks)