

SUBJECT- ELECTRONIC INSTRUMENT & MEASUREMENT SYSTEM

Day: - Saturday
Date: 24/11/2018

W-2018-2408

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to the two sections should be written in **SEPARATE** answer books.
- 4) Assume suitable data if necessary.

Q.1 How auto ranging & auto zeroing is achieved in digital multimeter. **(10)**

OR

Discuss the automatic ranging in DVM with its block diagram. **(10)**

Q.2 Draw block diagram of true RMS meter & discuss its working in detail. **(10)**

OR

Explain with respect to digital multimeter (DMM)
1) 4 ½ digit DMM 2) 6 ½ digit DMM **(10)**

Q.3 How audio frequency signal is generated by an audio frequency signal generator? **(10)**

OR

Describe any one real time applications of random noise generator. **(10)**

Q.4 Discuss the operation of DSO with the help of block diagram. **(10)**

OR

Describe curve tracer **(10)**

Q.5 Write a note on scalar network analyzer. **(10)**

OR

Discuss the following characteristics of receiver
1) phase jitter 2) SINAD test **(10)**

Q.6 Discuss working principle of wave analyzer **(10)**

OR

Discuss working principle of spectrum analyzer. **(10)**