

SE sem III - old - EATC

EI

9/12/15

(OLD COURSE)

QP Code : 1201

(Hours 3)

[Total Marks : 100

- N.B. (1) Question no. 1 is compulsory
(2) Answer any four questions out of remaining six questions
1. (a) Explain universal counter in detail. 20
(b) Draw and explain bounded strain guage.
(c) Compare ASK and PSK
(d) Explain RTD in detail.
2. (a) Explain capacitive sensor with advantages and disadvantages 10
(b) Explain Bounded tpe strain guage with application 10
3. (a) Explain in detail significance of $3\frac{1}{2}$ and $4\frac{1}{2}$ digit 10
(b) Draw and explain Block diagram of DSO with std features. 10
4. (a) Explain Network analyzer in detail. 10
(b) Draw and explain any two types of telemertery 10
5. (a) What is ASK? Explain with the help of suitable wave form. 10
(b) Draw and explain digial frequency meter. 10
6. (a) Describe FFT analyzer with advantages. 10
(b) List different applications of DSO in communication. Explain any one. 10
7. Write short note on (any four):- 20
(a) Data logger
(b) Sweep mode
(c) Q.meter
(d) Total harmonic distruction
(e) Refresh and sampling mode.

QP-Con. 10511-15.