

No Preview
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Bachelor of Architecture
Regular T.Y.B.Arch.Sem.VI ESE May / June 2023
VI SEMESTER (2020 BATCH)
201ETL318-Sensor Technology

Duration : 2 Hours

Marks : 50

Instructions :

(Q1) All Questions are compulsory . [20.0]

(1.1) Compare between sensor & transducer. [6.0]

CO :- 1

Blooms Taxonomy :- Understand

(1.2) Describe silicon resistive sensors. [7.0]

CO :- 2

Blooms Taxonomy :- Understand

(1.3) Sketch a diagram of piezoelectric accelerometer & explain in brief. [7.0]

CO :- 2

Blooms Taxonomy :- Understand

(Q2) All Questions are compulsory. [10.0]

(2.1) Sketch a diagram of unbonded strain guage & explain in brief. [4.0]

CO :- 2

Blooms Taxonomy :- Understand

(2.2) Sketch a basic structure of load cell & explain in brief [6.0]

CO :- 2

Blooms Taxonomy :- Understand

OR [2.2 / 2.3]

(2.3) Sketch a diagram of FSR tactile sensor & explain in brief. [6.0]

(Q3) All Questions are compulsory. [10.0]

(3.1) Sketch a diagram of soluble inorganic salt membrane sensor for fluoride. [3.0]

CO :- 3

Blooms Taxonomy :- Analyze

OR [3.1 / 3.2]

(3.2) Sketch a diagram of eddy current proximity sensor [3.0]

CO :- 3

Blooms Taxonomy :- Analyze

(3.3) Sketch a diagram of moving core LVDT showing its construction & principle and analyze it. [7.0]

CO :- 3

Blooms Taxonomy :- Analyze

(Q4) Attempt any two out of three questions. [10.0]

(4.1) Sketch basic structure of pyroelectric sensor and analyze it. [5.0]

CO :- 4

Blooms Taxonomy :- Analyze

(4.2) Sketch a diagram of ultrasonic flow sensor & and analyze it. [5.0]

CO :- 4

Blooms Taxonomy :- Analyze

(4.3) Sketch a construction of carbon microphone. and analyze it. [5.0]

CO :- 4

Blooms Taxonomy :- Analyze
