**496** Register No.: 

# April 2019

*Time – Three hours*
*(Maximum Marks: 75)*

*[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory. Answer any FOUR questions from the remaining in each PART – A and PART – B*

*(2) Answer division (a) or division (b) of each question in PART – C.*

*(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and 10 marks in PART – C. ]*

## PART – A

1. Define measurement.
2. What is continuous method of data presentation?
3. Name any two displacement transducer.
4. Define torque.
5. State any two units for pressure.
6. Define mean velocity.
7. Define flow rate.
8. Name any two temperature transducer.

## PART – B

9. Define median.
10. State different methods of measurement.
11. What is fluid cell?
12. Define force and state its unit.
13. What is strain gauge? State its types.
14. Define mean velocity.
15. What is orifice? State its type.
16. Draw the continuous diagram.

[Turn over.....

## PART – C

17. (a) Define mean, mode and median.

*(Or)*

(b) Define accuracy, reliability, sensitivity, reproducibility and calibration.

18. (a) Briefly explain about histogram.

*(Or)*

(b) Explain about analysis of experimental data.

19. (a) With neat sketch, explain electrical method of displacement measurement.

*(Or)*

(b) Explain measurement of torque with neat sketch.

20. (a) With neat sketch, explain U-tube manometer for pressure measurement.

*(Or)*

(b) With neat sketch, explain thermocouple.

21. (a) Explain venturi type flow meter.

*(Or)*

(b) Explain Rota meter type flow measurement.

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