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Code: 15ME33T

[Turn over

| | III Semester Diploma Examination, April/May-2018 | • | | |
|------|--|-------------------------|--|--|
| | MECHANICAL MEASUREMENTS | | | |
| Tin | Fime: 3 Hours Max. Marks: 100 | | | |
| Note | te: (i) Answer any six questions from Part – A. (ii) Answer any seven questions from Part – B. BETA CONSOLE | | | |
| 1. | PART – A State the factors in selecting Measuring Instruments. Diploma - [All Beta Console Education Beta Consol | Branche 5 | | |
| 2. | Define: (i) Accuracy (ii) Sensitivity (iii) Precision (iv) Repeatability Diploma Question P 19] Beta Console Education | 5 Papers [201 | | |
| 3. | State the factors to be considered while selecting transducers. | 5 | | |
| 4. | State any five Requirements of Ideal Strain Gauge. | 5 | | |
| 5. | Define force. List any three types of force measuring instruments. | 5 | | |
| 6. | Sketch the resistance thermometer and label the parts. | 5 | | |
| 7. | Explain with the neat sketch of Revolution Counter Tachometer. | 5 | | |
| 8. | Explain with the neat sketch of Hydrometer. | 5 | | |
| 9. | Define: (i) Tolerance (ii) Deviation (iii) Tolerance Zone | 5 | | |

Register Number