

## MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI

Examination—July, 2020

CERTIFICATE COURSE IN INSTRUMENTATION

[Time]—3 hours

(Marks—100)

Measurement and Measuring Instruments (Practical-II)

Marks

1.  $\frac{1}{2}$  of the following.
  - (+) If the reading of the thermocouple is 100°C, find the temperature of the object. 30
  - (-) If the reading of the potentiometer is 100 mV, find the EMF of the cell. 30
2.  $\frac{1}{2}$  of the following = (English) 20
3.  $\frac{1}{2}$  of the following. 10
4.  $\frac{1}{2}$  of the following. 10

(ENGLISH)

[ TIME ALLOWED—3 HOURS ]

(MARKS—100)

## MEASUREMENT AND MEASURING INSTRUMENTS (PRACTICAL-II)

Marks

1. Do the following.
  - (a) Measure the reading of given temperature using thermocouple. 30
  - (b) Do proper repairing of given Potentiometer Pyrometer and test it and explain the procedure of repairing and testing to your internal examiner. 30
2. Explain how pressure gauge is to be calibrated by using dead weight tester. 20
2. Oral. 10
3. Term work. 10