

MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI

Examination--July, 2020

CERTIFICATE COURSE IN LICENTIATE IN ELECTRONICS AND
RADIO SERVICING (L.E.R.S.)

[**ἔσθ**—3 **ἰέε^οέ**]

(BEÚHÉ ~~MÖÉ~~—100)

$$+ \{ \pm \tilde{\epsilon} < 0 : < \pm \tilde{\epsilon} \} \cap \mathbb{C}^n \quad (|\tilde{\epsilon}|^2 = |\tilde{\epsilon}|^2)$$

ᾠδὴ δέ.—(1) ὁ ἐκ ἐκείνου ὅτι.

(2) $\sim \exists x E_0 + [E_{\text{inf}}]E_0$, $[E^{\circ} : \text{eff}]E + [\text{eff}^{\circ} : E]E + [E^{\circ} : E]E + [E : \text{eff}]E + [E^{\circ} : E]E + [E : \text{eff}]E$.

MÖE

- | | | | |
|----|---------------|-------------|----|
| 1. | I.C. 555 | Timer | 60 |
| 2. | JFET | Transistor | 20 |
| | (+) L.E.D. | (R) Relay | |
| | (b) I.C. 7808 | (C) Counter | |
| 3. | IC | Chip | 10 |
| 4. | Logic | Gate | 10 |

(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

APPLIED ELECTRONICS (PAPER-II)

Instructions.— (1) Attempt *all* questions.

(2) Draw neat sketches, symbols, circuit if *necessary*.

Marks

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Draw circuit diagram of monostable multivibrator and assemble it using I.C. 555, take reading. | 60 |
| 2. Identify and test the given components for good and faulty, record the reading in observation table :—
(a) L.E.D. (b) Relay (c) Photo Diode
(d) I.C. 7808 (e) Zener Diode. | 20 |
| 3. Oral. | 10 |
| 4. Term work. | 10 |