

MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATIONS, MUMBAI

Examination, July, 2014

CERTIFICATE COURSE IN REPAIRING AND SERVICING OF RADIO
AND LCD / LED TV

[Ἑβρ—3 ἰεε^οε]

(BE^uHÉ N^uE—100)

$$|\hat{\mathbf{H}}^0| \leq |\hat{\mathbf{G}}| |\hat{\mathbf{C}}| + \hbar b \div |\hat{\mathbf{H}}^0| |\hat{\mathbf{C}}| (|\hat{\mathbf{H}}^0| - 1)$$

°ÉÉxÉÉ.—(1) °ÉÉÇ |É¶xÉ +ÉÉ¶^aÉÉò +É½ÉÉ.

NÖÉ

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|------|--|-----|---|
| 1. | Enu-fa-fa A[ffex]o +fa]ff +ffh iafffo Eo'e Eo ^{na} fffo I°IeIo Veeh ^{me} Peh ^{aff°ff} 0 | 30 | |
| | iE[ff°ff. | | |
| (+) | B±f.<Cb0. | (+) |]Ix°f; di f0u |
| (E0) | I°[EIo0u | (b) | EZfx ^{0u} bE ^{affb} ÷ |
| (<) | ff ^{af0u} ff>Ab÷ @IZf°]0u | | |
| 2. | +f ^{af.0f0} . 7812 ff[E°uxE 1/2fa]ME @Pff0]0u of[E0]o iE ^{aff0u} Eo°uxE iE[ff°ff. | 50 | |
| 3. | +f0ff. | 10 | |
| 4. |]0fC EE0. | 10 | |

(ENGLISH)

[TIME ALLOWED — 3 HOURS]

(MARKS — 100)

BASIC ELECTRONICS AND ASSEMBLY TECHNIQUE (PRACTICAL-I)

Instructions.—(1) All questions are *compulsory*.

Marks

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|----|---|-----------------|
| 1. | Identify following component and test them to find their working condition. | 30 |
| | (a) L.E.D. | (b) Transformer |
| | (c) Speaker | (d) Zener diode |
| | (e) Wire wound resistor. | |
| 2. | Assemble and test voltage regulator circuit by using IC 7812. | 50 |
| 3. | Oral. | 10 |
| 4. | Term Work. | 10 |