

**MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI**

**Examination—July, 2020**

CERTIFICATE COURSE IN ARCHITECTURAL DRAUGHTSMAN WITH CAD

[**ἔ**—3 iÉÉ°É]

(BE<sub>thE</sub> M<sub>thE</sub>—100)

$${}^{\circ}\mathbb{E}^1_{\mathbb{P}^1}(\mathbb{E}) \oplus {}^{\circ}\mathbb{E}^1_{\mathbb{P}^1}(\mathbb{E}) + \text{hb} \div \mathbb{B}^{\circ} \oplus {}^{\circ}\mathbb{E}^1_{\mathbb{P}^1}(\mathbb{M}) + \text{hb} \div \mathbb{E}^{\circ}\mathbb{P}^1(\mathbb{M}) \quad (\mathbb{E}^1 \oplus \mathbb{E}^1 - 3)$$

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- [illegible]

**(ENGLISH)**

[ TIME ALLOWED—3 HOURS ]

(MARKS—100)

**CIVIL MATERIALS AND ESTIMATING AND COSTING (PRACTICAL—III)**

### Marks

- |    |  |    |
|----|--|----|
| 1. | Derive rate analysis for R.C.C. 1:2:4 for slab for 10m <sup>3</sup>  | 20 |
| 2. | State the market rate and unite of measurement of following :—   | 10 |
|    | (i) Cement Bag.  |    |
|    | (ii) Brick.  |    |
|    | (iii) 12mm Ø for steel.  |    |
|    | (iv) Oil paint.  |    |
|    | (v) Teak wood.   |    |
| 3. | Draft the tender notice for construction of public toilet-block for Ahmednagar Municipal corporation. Estimate cost of work is 25,00,000 Rupees. | 30 |
| 4. | Oral.  | 10 |
| 5. | Term Work.   | 10 |