

MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI

Examination—July, 2020

CERTIFICATE COURSE IN VOCATIONAL TEACHER TRAINING

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(BEŮHÉ MŮÉ—100)

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〇 𐌲𐌹𐌶𐌰𐌹 - (1) 𐌲𐌰𐌺𐌰𐌹𐌶𐌰𐌹 𐌲𐌹𐌶𐌰𐌹 𐌹𐌺𐌰 + 𐌹𐌶𐌰𐌹𐌺𐌰
 (2) = 𐌶𐌰𐌺𐌰𐌹𐌶𐌰𐌹 + 𐌹𐌺𐌰 {𐌹𐌺𐌰 𐌶𐌰𐌺𐌰 𐌺𐌰𐌺𐌰𐌹𐌶𐌰𐌹.

NĪĖÉ

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1. (+) $E^{\otimes n} \otimes E^{\otimes m} = E^{\otimes(n+m)}$

(1) Ed[@]WEEEd EdEní, 1948 xEÉÉú " iÉ-úhé áECiEO " ½mEVá + qEO áECiEO,

(+) $V_{E0} BE_{0if}^{(R)} u'' + \frac{1}{2} \dot{u}^2 \ddot{u}'' + \frac{1}{2} \ddot{u}^2 \dot{u}'' + \frac{1}{2} \dot{u} \ddot{u}^2 \ddot{u}''$

(d) $V_E = E_0 + E_{1/2}$

$$(E_0) \quad V E_0 \quad " \quad a E_0 E_0 \quad " \quad + E_{1/2}$$

(b) $\mathbb{E}^{\otimes n} \{ \mathbb{E}^{\otimes n} \} \subseteq \mathbb{E}^{\otimes n} \{ \mathbb{E}^{\otimes n} \}$

(2) EEEEEE® O'EEEE {EEE}Ea VEEEM°üEo + O'E+EE {EEE}E/Ea

(+) $\text{O}^{\text{R}}\text{E}^{\text{R}}\text{U}^{\text{R}}\text{I}^{\text{R}}\text{E}^{\text{R}}\text{I}^{\text{R}}\text{E}^{\text{R}}\text{S}^{\text{R}}\text{E}^{\text{R}}\text{a}^{\text{R}}\text{E}^{\text{R}}\text{I}^{\text{R}}\text{K}^{\text{R}}\text{E}^{\text{R}}$ (x) $\text{I}^{\text{R}}\text{E}^{\text{R}}\text{U}^{\text{R}}\text{E}^{\text{R}}\text{U}^{\text{R}}\text{I}^{\text{R}}\text{E}^{\text{R}}\text{E}^{\text{R}}\text{U}^{\text{R}}$

(b) $\frac{1}{2} \leq \frac{E_0}{BE_0} \leq \frac{1}{2}$ x $\frac{1}{2}$.

(3) $\frac{1}{2}h + (EPEEIESEä \text{ "EÜ}^aE \text{ Ed}^{\text{®}}mE + ^oEiEä$

(+) ÊÉVÊSĖä ¶ĒĒ]Ń °[ĬEò]õ (×) xĒĒnŎû°İĒ = {ĒEò®mĒä

(E) E^aE^bE^cE^dE^eE^fE^gE^hEⁱE^jE^kE^lE^mEⁿE^oE^pE^qE^rE^sE^tE^uE^vE^wE^xE^yE^z

(4) $\int_0^1 \frac{1}{x} dx = \lim_{n \rightarrow \infty} \sum_{k=1}^n \frac{1}{k} = \infty$

(+) VEÖ'É 'ÉÉSÉE 'ÉhÉä

$$(\mathfrak{F}) + \{ \text{EPÉÉiÉ } \text{OÉ}^\circ \text{iÉÉÁÉÉ} + \text{ÉVÉÉ}^\circ < \text{VÉÉ } \frac{1}{2} \text{ph}^\circ \text{ÉÉ} \{ \text{ÉÉ}^\circ \text{ÉVÉÉ} \text{ÉÉSÉÉ} \text{ÉhÉá} \}$$

(E0) दुखाण्याची तीव्रता कमी करणे

(b) ~~1. The information is not being disclosed because it is exempt from disclosure under FOIA b(7)(D).~~

(5) +Ét ÉMÉEò vEEÈ / +{EPÉÉiÉ ½ Æm a EESEÒ Eè® mEa

(+) Eðf'ÉÉS^aÉÉ Ê` EðéHÉO [®]ÉÉÉ] ò {ÉÉ[®]Ó IÉiÉO +^oÉHÉá

(☞) + ÉVÉE® 1/2 ph^a ÉÉSÉE ÉÉFÉE VÉEÈÈ.

$$(E_0) \quad E_0^{\text{d}^{\text{R}}} \cup E_0^{\text{a}^{\text{E}^{\text{I}}}} + \{E_0^{\text{E}^{\text{I}}} \mid \frac{1}{2} \text{d}^{\text{a}^{\text{E}^{\text{S}}}} \vee E_0^{\text{d}^{\text{E}}}\}.$$

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(1) 1948 S^afē jōC [θ] + C] i^afēfē^u + f_i[^afēfē i^afē + fē i^afēSfēobā 250 {^afē Vfē^oiē
E^afē fēfē^u + o^afē^ofē E^ax] ō^afē^ofē tē fē + fēfēiā

[illegible]

(3) $\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

(4) अर्थसहाय्य करणाऱ्या संस्था व बँका लघु उद्योजकांना कर्जपुरवठा करीत

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(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

EMPLOYABILITY SKILL (THEORY-III)*Instructions.*—(1) All questions are *compulsory*.(2) Figures to the right indicate *full* marks.**Marks**

1. (a) Complete the following statements by inserting appropriate words from given options :— 5

(i) According to Factories act, 1948, "Young-person" means a person

- (a) who is either a child or an adolescent
(b) who is an adult
(c) who is an adolescent
(d) none of the above.

(ii) should be the first concern of worker.

- (a) Importance of safety (b) High wages
(c) Minimum time of duty hours (d) None of the above.

(iii) is the main cause of accident.

- (a) Electric short circuit (b) faulty tools
(c) unfenced dangerous machine (d) All the above.

(iv) The basic aim of first aid is to

- (a) save life
(b) protect the casualty from getting more harm
(c) reduce pain
(d) all the above.

(v) Occupational hazards are a result/cause of

- (a) unhealthy conditions of work
(b) increasing risk of diseases
(c) risk of accidents in the factories
(d) all the above.

- (b) Write *true* or *false* (any five) :—

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(i) According to factories Act, 1948, the employer is required to provide a canteen for more than 250 workers.

(ii) Quality control is the process to match quality of the product in accordance with pre-determined standards.

(iii) Market assessment does not include the technique of personal interviews.

(iv) Financial institutions and banks does not provide loans to small scale industries.

(v) Unemployment for a longer period of time leads to stress.

[turn over

- (c) State long form :— 5
- (i) OSH. (ii) WCA. (iii) SRM.
(iv) SIDO. (v) MCED.
- (d) Match the pair :— 5
- | ‘ A ’ Group | ‘ B ’ Group |
|---------------------|---|
| (i) Self Management | (a) Level of skill required for convincing. |
| (ii) Salesmanship | (b) Taking responsibility of one's own behaviour and well being. |
| (iii) Recruitment | (c) Discovering potential applicants for actual or anticipated organisational vacancies. |
| (iv) Kaizen | (d) Maharashtra centre for entrepreneurship development. |
| (v) MCED | (e) change for betterment |
| | (f) Cost of producing the product or services that are unrelated to direct production of product or services. |
2. Attempt any *two* of the following :— 16
- (a) What is mean by " Attitude " ? Explain the impact of positive attitude.
(b) What is self awareness ? Explain in brief.
(c) Explain the term " Personal Goal Setting".
(d) Explain the concept of " Employability planning ".
3. Attempt any *two* of the following :— 16
- (a) What is time management ? Explain how you can maximise the available time.
(b) What is commitment ? Write down the importance of commitment.
(c) What is " Motivation " ? Explain kinds of Motivation.
(d) Explain in brief "Moslows Hierarchy of needs".
4. Attempt any *two* of the following :— 16
- (a) Why is the need for " Self employment " in India.
(b) What are the advantages and dis advantages of self-employment ?
(c) What are the characteristics of successful entrepreneur ?
(d) What are the possible main reasons/causes for failure of an entrepreneur.
5. Write short notes on any *four* of the following :— 16
- (a) Market survey and its advantages.
(b) Financial planning.
(c) Consumer behaviour and market.
(d) Advertisement objectives and methods.
(e) Creativity, Idea Generation and Innovation.
6. Attempt any *two* of the following :— 16
- (a) Explain— Quality improves productivity.
(b) Explain the Quality Concept.
(c) What is TQM ? Explain the concepts of TQM. Why it is called Total ?
(d) What is meant by ' Kaizen ' ? What is its aim ? Briefly explain the "Kaizen" process and its advantages.