

MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATIONS, MUMBAI

Examination, July 2014

CERTIFICATE COURSE IN DIESEL ENGINE MECHANIC

[ἑἶναι—3 ἰἑἶναι]

(BEthÉ NÖÉ—100)

$$\langle \hat{H}/\epsilon^{\frac{1}{2}} + h b : \pm \hat{H} C] \hat{A} \otimes \epsilon [\epsilon^0 \epsilon^0] \rangle_{\epsilon} (|\hat{\epsilon}_i^a \hat{\epsilon}_i | \epsilon_0 - 1)$$
$$\textcircled{\text{E}}\text{E}\text{E}\text{E} - (1) \textcircled{\text{E}}\text{E}\text{E} \mid \text{E}\text{E}\text{E} \textcircled{\text{E}}\text{E}\text{E}\text{E} + \text{E}\text{E}\text{E}\text{E} + \text{E}\text{E}\text{E}.$$

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NÉE

1. JEE+EO+E(E=O) E d h e i E n p B E o | E q x e ° E b = E E E E d f e Q r u E O E + E n p :-

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[illegible][illegible]

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Eò°ùxé <A/Véxé °íöü Eò®í.

(b) $\langle \Delta V_{\text{ext}}(\vec{r}) \pm \mu \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0} = \langle \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0} \pm \mu \langle \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0}$.
 $\langle \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0} = \langle \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0} \pm \mu \langle \Delta V_{\text{ext}}(\vec{r}) \rangle_{\text{E}^0}$.

[illegible]

(j) Ennefaff Ebzfae <AvExEfo> af0 +E fof0] 0' e iE(ffofe t affmpe iafE n0üoiaffe EoöuxE
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3. $\mathbb{E}[\mathbb{E}^{\mathbb{P}}(X|\mathcal{G})|\mathcal{H}] = \mathbb{E}^{\mathbb{P}}(X)$.

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(ENGLISH)

[TIME ALLOWED — 3 HOURS]

(MARKS — 100)

ENGINE AND ELECTRICAL SYSTEM (PRACTICAL-I)

Instructions.—(1) All questions are *compulsory*.
(2) Figures to the right indicate *full* marks.

	Marks
1. Solve any <i>one</i> from the following and write the procedure :—	80
(a) Check the Lubrication System of the given Engine. Give your opinion and do the necessary repairs and start the engine.	
(b) Check the Cooling system of given engine, inspect and do the necessary repairs and re-start.	
(c) Dismantle the starting motor from engine check, inspect, repair and re-assemble the same and test.	
(d) Dismantle the alternator from given engine test, repair, refit and start the engine.	
(e) Check the battery of given car, test, suggest the necessary repairs and refit the same.	
(f) Check the Fuel system of given diesel engine inspect and repair and re-start the engine.	
2. Oral.	10
3. Term Work.	10
