

EXECUTIVE AGENCY "ROAD TRANSPORT ADMINISTRATION"

EXAM QUESTIONS FOR CANDIDATES FOR ACQUISITION OF DRIVING LICENSE FROM CATEGORY C

Topic 7: Electric system

| Points | Number | Question and answers |
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| 1 | 1/1 | <p>Which of the items listed below are components of the electric system of a motor vehicle:</p> <ul style="list-style-type: none"><input type="checkbox"/> fuel system<input checked="" type="checkbox"/> starter assembly<input checked="" type="checkbox"/> light assembly<input checked="" type="checkbox"/> signal assembly |
| 1 | 2/1 | <p>Which of the items listed below are components of the electric system of a motor vehicle:</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> the accumulator battery<input checked="" type="checkbox"/> the generator<input checked="" type="checkbox"/> the control and measuring instruments<input type="checkbox"/> the compressor |
| 1 | 4/1 | <p>The function of the starter assembly of an internal combustion engine is to assure the initial cranking of the internal combustion engine crank shaft.</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> correct<input type="checkbox"/> incorrect |
| 1 | 6/1 | <p>The accumulator battery transforms:</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> chemical into electric energy and vice versa<input type="checkbox"/> mechanical into electric energy |
| 1 | 7/1 | <p>The generator transforms:</p> <ul style="list-style-type: none"><input type="checkbox"/> thermal into electric energy<input type="checkbox"/> chemical into electric energy and vice versa<input checked="" type="checkbox"/> mechanical into electric energy |

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| 1 | 8/1 | <p>The alternator is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> a type of accumulator battery <input checked="" type="checkbox"/> an alternating current generator <input type="checkbox"/> a direct current generator |
| 1 | 16/1 | <p>Starting an internal combustion engine means:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> the initial cranking of the crank shaft with the aim to initiate a working cycle <input type="checkbox"/> turning the distributing shaft with the aim to initiate a working cycle <input type="checkbox"/> ignition of the fuel mixture |
| 1 | 17/1 | <p>The starter is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the current source of the vehicle <input type="checkbox"/> a component of the ignition system of an internal combustion engine <input checked="" type="checkbox"/> a component of the starter assembly of an internal combustion engine <input checked="" type="checkbox"/> a start-up electric motor |
| 1 | 18/1 | <p>The start-up electric motor (the starter):</p> <ul style="list-style-type: none"> <input type="checkbox"/> generates electric current <input checked="" type="checkbox"/> consumes electric current from the accumulator battery |
| 1 | 19/1 | <p>The routine maintenance of the generator requires:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> adjusting the strain of the drive belt <input type="checkbox"/> an inspection of the mounting of the generator coil <input type="checkbox"/> an inspection of the alignment of the rotor and stator |
| 1 | 20/1 | <p>The loose mounting of the generator may cause the following failures:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> the generator may stop generating the necessary electric current <input type="checkbox"/> scoring between the rotor and stator <input type="checkbox"/> intensive wearing out of the stator's bearings |
| 1 | 21/1 | <p>The generator is powered by:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the accumulator battery <input type="checkbox"/> by a power elimination shaft <input checked="" type="checkbox"/> by the engine by means of belt transmission |

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| 1 | 22/1 | <p>An excessively tight generator drive belt may cause:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the intensive wearing out of the bearings of the internal combustion engine <input checked="" type="checkbox"/> the intensive wearing out of the generator bearings <input type="checkbox"/> stopping of the generator's work |
| 1 | 24/1 | <p>For proper assembly and proper connection of the accumulator battery:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the negative terminal is connected first, followed by the positive terminal <input type="checkbox"/> the sequence of connecting the terminals is of no importance <input checked="" type="checkbox"/> the positive terminal is connected first, followed by the negative terminal |
| 1 | 25/1 | <p>For proper removal of the accumulator battery:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the positive terminal is disconnected first, followed by the negative terminal <input checked="" type="checkbox"/> the negative terminal is disconnected first, followed by the positive terminal <input type="checkbox"/> the sequence of disconnecting the terminals is of no importance |
| 1 | 26/1 | <p>The nuts of the pole terminals of the accumulator battery are tightened:</p> <ul style="list-style-type: none"> <input type="checkbox"/> on a stand <input type="checkbox"/> by hand <input checked="" type="checkbox"/> by a wrench |
| 1 | 27/1 | <p>The surface of the accumulator battery must always be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> covered with grease <input checked="" type="checkbox"/> dry and clean <input type="checkbox"/> covered by electrolyte |
| 1 | 28/1 | <p>Electrolyte spilled from a lead accumulator battery is cleaned by:</p> <ul style="list-style-type: none"> <input type="checkbox"/> gasoline <input type="checkbox"/> warm water <input checked="" type="checkbox"/> water solution of sodium bicarbonate |
| 1 | 29/1 | <p>Pole terminals of the accumulator battery must be cleaned:</p> <ul style="list-style-type: none"> <input type="checkbox"/> every day <input checked="" type="checkbox"/> routinely, and after poor contact is detected <input type="checkbox"/> only prior to a periodic technical inspection for roadworthiness of the motor vehicle |

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| 1 | 30/1 | <p>The level of electrolyte in a lead accumulator battery is reduced because of:</p> <p><input type="checkbox"/> evaporation of the sulphuric acid</p> <p><input checked="" type="checkbox"/> evaporation of the distilled water</p> <p><input type="checkbox"/> ongoing chemical processes related to the transformation of chemical into electric energy</p> |
| 1 | 31/1 | <p>It is recommended to check the level of electrolyte in a lead accumulator battery with a non-transparent box:</p> <p><input checked="" type="checkbox"/> by a glass level metering tube</p> <p><input type="checkbox"/> by the oil dipstick</p> <p><input type="checkbox"/> by the reading of the ammeter</p> |
| 1 | 32/1 | <p>The level of electrolyte of an accumulator battery with a transparent plastic box is checked:</p> <p><input type="checkbox"/> by a glass level metering tube</p> <p><input type="checkbox"/> by the reading of the ammeter</p> <p><input checked="" type="checkbox"/> by the markings made on the outside surface of the box walls</p> |
| 1 | 33/1 | <p>The areometer (densimeter) is an instrument for measuring:</p> <p><input type="checkbox"/> electric current strength</p> <p><input type="checkbox"/> the level of the electrolyte in the accumulator battery</p> <p><input checked="" type="checkbox"/> the density of the electrolyte in the accumulator battery</p> |
| 1 | 34/1 | <p>The density of the electrolyte in a sealed accumulator battery:</p> <p><input type="checkbox"/> is measured on a stand</p> <p><input type="checkbox"/> is not measured</p> <p><input checked="" type="checkbox"/> is measured by an instrument (areometer, densimeter) inbuilt in the cover</p> |
| 1 | 35/1 | <p>Sealed accumulator batteries are manufactured fully charged and do not require adding electrolyte and/or water during storage.</p> <p><input checked="" type="checkbox"/> correct</p> <p><input type="checkbox"/> incorrect</p> |
| 1 | 36/1 | <p>The terminals of the accumulator battery are protected against oxidation by:</p> <p><input type="checkbox"/> an antifreeze solution</p> <p><input type="checkbox"/> gasoline</p> <p><input checked="" type="checkbox"/> technical petroleum jelly</p> |