

EXECUTIVE AGENCY "ROAD TRANSPORT ADMINISTRATION"

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

Topic 4: Fuel system

Points	Number	Question and answers
1	1/1	<p>A fuel-air mixture, consisting of air and evaporated or finely dispersed fuel is burned in the cylinders of an internal combustion engine:</p> <p><input checked="" type="checkbox"/> correct <input type="checkbox"/> incorrect</p>
1	2/1	<p>Detonation in gasoline engines means:</p> <p><input checked="" type="checkbox"/> explosive ignition and high-speed burning of the fuel in the cylinders of an internal combustion engine <input type="checkbox"/> untimely and quick burning of the fuel outside the cylinders of an internal combustion engine</p>
1	3/1	<p>The detonation in gasoline engines:</p> <p><input checked="" type="checkbox"/> is characterized by a specific metallic "knocking" in the engine <input checked="" type="checkbox"/> results in reducing output power <input checked="" type="checkbox"/> results in overheating of the engine <input type="checkbox"/> results in increasing the output power</p>
1	4/1	<p>The temperature of self-ignition of diesel fuels is:</p> <p><input type="checkbox"/> the highest temperature, at which the fuel is self-ignited without an auxiliary ignition source <input checked="" type="checkbox"/> the lowest temperature, at which the fuel is self-ignited without an auxiliary ignition source <input type="checkbox"/> the lowest temperature, at which the fuel is ignited by an auxiliary ignition source</p>
1	5/1	<p>The capability of diesel fuel to self-ignite is characterized by:</p> <p><input type="checkbox"/> the coke number <input type="checkbox"/> the octane number <input checked="" type="checkbox"/> the cetane number</p>
1	6/1	<p>The cetane number of diesel fuel is a characteristic of:</p> <p><input type="checkbox"/> density and viscosity <input checked="" type="checkbox"/> capability of diesel fuel to self-ignite <input type="checkbox"/> anti-detonation stability</p>

1	8/1	<p>The function of the fuel tank of the fuel system is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> feeds the fuel, required for the operation of an internal combustion engine, to the carburettor <input checked="" type="checkbox"/> stores the fuel, required for a specified period of operation of an internal combustion engine <input type="checkbox"/> for dosing out fuel for each operational mode of the engine
1	11/1	<p>The function of air filters is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> to remove fuel drops from the air <input checked="" type="checkbox"/> to remove mechanical impurities from the air <input type="checkbox"/> dose out fuel for each operational mode of the engine
1	12/1	<p>The function of the noise suppressor (muffler) is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> to reduce the noise when air enters the air filter to the carburettor <input checked="" type="checkbox"/> to reduce the noise when releasing the exhaust gases <input type="checkbox"/> to reduce the noise emitted by the brake system compressor
1	13/1	<p>The catalytic neutralizer is a unit within the fuel system, whose function is:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> neutralize the toxicity of exhaust gases <input type="checkbox"/> reduce fuel consumption at full-load operational modes <input type="checkbox"/> increase the output power of the internal combustion engine at full-load operational modes
1	15/1	<p>The function of the fuel injection pump in a diesel internal combustion engine is:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> to accept/extract fuel from the fuel tank <input checked="" type="checkbox"/> to feed the fuel to the fuel injection pump at a pressure below a specified level <input type="checkbox"/> to assure the high pressure of the fuel required for performing the working cycle
1	16/1	<p>The function of the fuel injection pump of a diesel internal combustion engine is:</p> <ul style="list-style-type: none"> <input type="checkbox"/> to assure the high pressure of the air-fuel mixture required for performing the working cycle <input checked="" type="checkbox"/> to assure the high pressure of the fuel

1	17/1	<p>The function of the injector/nozzle of a diesel internal combustion engine is:</p> <p><input type="checkbox"/> to disperse the air injected in the cylinder of the internal combustion engine</p> <p><input checked="" type="checkbox"/> to inject the fuel from the injection pump smoothly and in the form of finely dispersed particles into the air compressed by the piston of the internal combustion engine</p> <p><input type="checkbox"/> to disperse into fine particles the fuel fed by the carburettor in the volume above the piston</p>
1	18/1	<p>Leakage of fuel from the fuel tank may occur:</p> <p><input type="checkbox"/> in case of deformation of the fuel tank walls</p> <p><input type="checkbox"/> in case of corrosion on the internal surface of the fuel tank</p> <p><input checked="" type="checkbox"/> in case of fractures and/or punctures in the fuel tank</p>
1	19/1	<p>Poor tightness in the couplings of fuel lines may cause:</p> <p><input checked="" type="checkbox"/> fuel leaks</p> <p><input type="checkbox"/> the emergence of an unnatural noise during engine operation</p> <p><input type="checkbox"/> the emergence of vibrations during engine operation</p>
1	21/1	<p>The damaged integrity of fuel lines may be caused by:</p> <p><input type="checkbox"/> concaves on the walls of the fuel tank</p> <p><input checked="" type="checkbox"/> damaged couplings</p> <p><input checked="" type="checkbox"/> puncture in the fuel lines</p> <p><input type="checkbox"/> plugging of the fuel lines</p>
1	22/1	<p>If gasoline is stored for a long period of time in the fuel tank, the quantity of the fuel:</p> <p><input type="checkbox"/> does not change</p> <p><input type="checkbox"/> is reduced due to sedimentation</p> <p><input checked="" type="checkbox"/> is reduced due to evaporation</p>
1	23/1	<p>Damaged hermeticity of the fuel injection pump in a diesel engine causes:</p> <p><input type="checkbox"/> "sucking" of coolant by the fuel system</p> <p><input type="checkbox"/> "sucking" of oil into by fuel system</p> <p><input checked="" type="checkbox"/> "sucking" of air by the fuel system</p>
1	24/1	<p>In case air is "sucked" into the fuel system of a diesel engine, it is necessary:</p> <p><input type="checkbox"/> to disassemble and wash the main assemblies of the fuel system</p> <p><input checked="" type="checkbox"/> to vent the fuel system</p>

1	25/1	<p>The presence of air sucked into the fuel system of a diesel engine may cause:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> impossibility to start the engine <input type="checkbox"/> the engine cannot be shut down <input type="checkbox"/> overcooling of the engine
1	26/1	<p>Venting the fuel system of a diesel engine includes:</p> <ul style="list-style-type: none"> <input type="checkbox"/> replacement of the air filters <input checked="" type="checkbox"/> sealing <input checked="" type="checkbox"/> removal of the air sucked into the system
1	27/1	<p>The replacement of the high-pressure fuel lines in the fuel system of a diesel engine with fuel lines with different length and diameter:</p> <ul style="list-style-type: none"> <input type="checkbox"/> does not affect the normal operation of the engine <input checked="" type="checkbox"/> causes a change in the normal operation of the engine
1	28/1	<p>A dirty air filter with a paper filtering element:</p> <ul style="list-style-type: none"> <input type="checkbox"/> does not affect the normal operation of the engine <input checked="" type="checkbox"/> causes a change in the normal operation of the engine
1	29/1	<p>The diesel engine cannot be started in case of excessive dirt on the fuel filters of the fuel system:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> correct <input type="checkbox"/> incorrect
1	30/1	<p>What are the existing types of diesel fuel:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> summer and winter diesel fuel <input type="checkbox"/> thin and thick diesel fuel <input type="checkbox"/> there are no different types of diesel fuel
1	31/1	<p>The octane number of gasoline is a characteristic of:</p> <ul style="list-style-type: none"> <input type="checkbox"/> the specific heat of combustion <input checked="" type="checkbox"/> the anti-detonation stability <input type="checkbox"/> the capability to self-ignite