

## EXECUTIVE AGENCY "ROAD TRANSPORT ADMINISTRATION"

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

Topic 1: Main aggregates, units and assemblies of motor vehicles (identification, names and functions)

Points	Number	Question and answers
1	1/1	<p><b>According to the Road Traffic Act, the Category "C" motor vehicles are:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> trucks with maximum permissible mass above 3500 kg and less than 7500 kg</li><li><input type="checkbox"/> vehicles different form Category "D", with maximum permissible mass above 3500 kg and less than 12 000 kg</li><li><input checked="" type="checkbox"/> vehicles different form Category "D", with maximum permissible mass above 3500 kg</li></ul>
1	1/2	<p><b>According to the Road Traffic Act, a trailer with a maximum permissible mass as shown below may be coupled to Category "C" motor vehicles (the combination of vehicles remains classified as Category "C"):</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> above 750 kg, where the maximum permissible mass of the combination of vehicles must not exceed 7500 kg</li><li><input type="checkbox"/> not more than 1250 kg</li><li><input checked="" type="checkbox"/> not more than 750 kg</li></ul>
1	2/1	<p><b>According to the Road Traffic Act trucks are vehicles designed for:</b></p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> the transportation of goods</li><li><input checked="" type="checkbox"/> towing trailers</li><li><input type="checkbox"/> transportation of permanently mounted equipment, which may not be used for other purposes</li></ul>
1	3/1	<p><b>According to the Road Traffic Act "Loading per axle" means:</b></p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> the portion of the mass of the laden vehicle carried by each axle of the road vehicle</li><li><input type="checkbox"/> the portion of the load carried by each axle of the road vehicle</li><li><input type="checkbox"/> the portion of the vehicle's own mass carried by each axle of the road vehicle</li></ul>
1	4/1	<p><b>According to the Road Traffic Act "technically permissible maximum mass" means:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> the mass of the road vehicle when not laden</li><li><input type="checkbox"/> the mass of the road vehicle when laden</li><li><input checked="" type="checkbox"/> the maximum mass of the road vehicle when laden as specified by the manufacturer</li></ul>

1	5/1	<p><b>According to the Road Traffic Act “the maximum permissible mass” means:</b></p> <p><input type="checkbox"/> the mass of the road vehicle when not laden</p> <p><input checked="" type="checkbox"/> the maximum permissible mass of the vehicle when laden as specified by the competent authorities</p> <p><input type="checkbox"/> the mass of the road vehicle when laden</p>
1	6/1	<p><b>The vehicle steering systems are:</b></p> <p><input type="checkbox"/> pedals</p> <p><input type="checkbox"/> gear shift lever</p> <p><input checked="" type="checkbox"/> the steering system</p> <p><input checked="" type="checkbox"/> the brake system</p>
1	7/1	<p><b>The internal combustion engine transforms:</b></p> <p><input checked="" type="checkbox"/> thermal energy into mechanical energy</p> <p><input type="checkbox"/> electric energy into chemical energy</p> <p><input type="checkbox"/> thermal energy into chemical energy</p>
1	8/1	<p><b>Which of the systems listed below are included in an internal combustion engine:</b></p> <p><input checked="" type="checkbox"/> cooling</p> <p><input checked="" type="checkbox"/> lubricating</p> <p><input checked="" type="checkbox"/> fuel</p> <p><input type="checkbox"/> noise suppression</p>
1	9/1	<p><b>The mechanisms of an internal combustion engine are:</b></p> <p><input checked="" type="checkbox"/> crank shaft mechanism</p> <p><input checked="" type="checkbox"/> valve gear</p> <p><input type="checkbox"/> noise suppression mechanism</p> <p><input type="checkbox"/> smoke removal mechanism</p>
1	10/1	<p><b>The stroke capacity of an internal combustion engine is:</b></p> <p><input checked="" type="checkbox"/> the volume between the top and bottom dead centre of the piston in the cylinder of the engine multiplied by the number of cylinders</p> <p><input type="checkbox"/> the volume above the piston at its top dead centre</p> <p><input type="checkbox"/> the volume above the piston at its bottom dead centre</p>

1	11/1	<p><b>The stroke capacity of an internal combustion engine is measured in:</b></p> <p><input type="checkbox"/> horse power</p> <p><input type="checkbox"/> kilowatts</p> <p><input checked="" type="checkbox"/> litres</p> <p><input checked="" type="checkbox"/> cubic centimetres</p>
1	12/1	<p><b>The maximum output power of an internal combustion engine is measured in:</b></p> <p><input checked="" type="checkbox"/> horse power</p> <p><input checked="" type="checkbox"/> kilowatts</p> <p><input type="checkbox"/> cubic centimetres</p>
1	13/1	<p><b>The fuel consumption of an internal combustion engine is measured in:</b></p> <p><input type="checkbox"/> kilograms of fuel per kilometre</p> <p><input checked="" type="checkbox"/> litres of fuel per 100 km</p> <p><input type="checkbox"/> grams of fuel per square centimetre</p>
1	14/1	<p><b>The optimal performance of an gasoline internal combustion engines is assured by using:</b></p> <p><input type="checkbox"/> unleaded gasoline</p> <p><input checked="" type="checkbox"/> gasoline with an octane number as prescribed by the manufacturer</p> <p><input type="checkbox"/> ethylated gasoline</p>
1	16/1	<p><b>The working cycle of a four-stroke internal combustion engine is completed after:</b></p> <p><input type="checkbox"/> four strokes of the piston at four revolutions of the crank shaft</p> <p><input type="checkbox"/> two strokes of the piston at two revolutions of the crank shaft</p> <p><input checked="" type="checkbox"/> four strokes of the piston at two revolutions of the crank shaft</p>
1	18/1	<p><b>The function of the crank shaft mechanism of an internal combustion engine is:</b></p> <p><input checked="" type="checkbox"/> to transform the reciprocal motion of the piston into rotation of the crank shaft</p> <p><input type="checkbox"/> to transform the reciprocal motion of the crankshaft into rotation of the piston</p> <p><input type="checkbox"/> to link the piston to the crank shaft</p>
1	19/1	<p><b>The immovable parts of an internal combustion engine are:</b></p> <p><input type="checkbox"/> the piston rings</p> <p><input checked="" type="checkbox"/> the cylinder block</p> <p><input checked="" type="checkbox"/> the cylinder head</p> <p><input checked="" type="checkbox"/> the crankcase</p>

1	20/1	<p><b>The moving parts of the crank shaft mechanism of an internal combustion engine are:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only the lower head of the connecting rod, the crankshaft and the flywheel</li> <li><input checked="" type="checkbox"/> the pistons with the piston rings</li> <li><input checked="" type="checkbox"/> the piston bolts</li> <li><input checked="" type="checkbox"/> the connecting rods</li> </ul>
1	21/1	<p><b>The function of the cylinder in an internal combustion engine is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> together with the lid of the cylinder head to form a closed chamber, in which the working cycle is performed</li> <li><input checked="" type="checkbox"/> to guide the movement of the piston and together with the lid of the cylinder head to form a closed chamber, in which the working cycle is performed</li> <li><input type="checkbox"/> to form a closed chamber together with the crankcase, in which the working cycle is performed</li> </ul>
1	23/1	<p><b>The function of the cylinder head of an internal combustion engine is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only to be used for assembly of the components of the valve gear mechanism</li> <li><input checked="" type="checkbox"/> to form, together with the cylinder, a closed chamber, in which the working cycle is performed</li> <li><input type="checkbox"/> to form, together with the crankcase, a closed chamber, in which the working cycle is performed</li> </ul>
1	24/1	<p><b>The function of the piston in an internal combustion engine is:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> to accept the force generated by the pressure of gases</li> <li><input checked="" type="checkbox"/> to transfer the force generated by the pressure of gases through the piston bolt to the connecting rod</li> <li><input type="checkbox"/> to transfer the force generated by the pressure of gases to the cylinder block</li> <li><input type="checkbox"/> to receive the force generated from the crankshaft</li> </ul>
1	25/1	<p><b>The piston in an internal combustion engine performs:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> rotation around the axis of the crankshaft</li> <li><input type="checkbox"/> progressive motion to the top dead centre and rotation around the axis of the crankshaft</li> <li><input checked="" type="checkbox"/> reciprocal motion between the top and the bottom dead centre</li> </ul>
1	26/1	<p><b>The function of the piston bolt is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> to link the piston to the piston rings</li> <li><input type="checkbox"/> to allow for a detachable thread link between the piston and the connecting rod</li> <li><input checked="" type="checkbox"/> to link the piston to the connecting rod</li> </ul>

1	27/1	<p><b>The piston bolt represents:</b></p> <p><input type="checkbox"/> a cylindrical body with external thread</p> <p><input type="checkbox"/> a hollow cylindrical body with internal thread</p> <p><input checked="" type="checkbox"/> hollow or solid cylindrical body</p>
1	28/1	<p><b>The function of the piston rings is:</b></p> <p><input checked="" type="checkbox"/> to serve as a sealing, assuring the hermeticity of the working capacity of the engine</p> <p><input checked="" type="checkbox"/> to eliminate the leakage of lubricant into the combustion chamber</p> <p><input type="checkbox"/> to assure the linear motion of the piston</p>
1	29/1	<p><b>The piston rings (segments) represent:</b></p> <p><input checked="" type="checkbox"/> split/cut/spring rings</p> <p><input type="checkbox"/> metal discs</p> <p><input type="checkbox"/> bracelets with external gear teeth</p>
1	30/1	<p><b>The piston rings are installed in channels, formed on:</b></p> <p><input checked="" type="checkbox"/> the external sealing portion/head of the piston</p> <p><input type="checkbox"/> the face of the piston</p> <p><input type="checkbox"/> the internal surface of the piston head</p>
1	31/1	<p><b>The function of the connecting rod is:</b></p> <p><input type="checkbox"/> to link the piston rings to the piston</p> <p><input type="checkbox"/> to link the piston to the piston bolt</p> <p><input checked="" type="checkbox"/> to link the piston to the crankshaft</p>
1	32/1	<p><b>The link between the piston and the connecting rod is:</b></p> <p><input type="checkbox"/> non-detachable, by a rivet</p> <p><input checked="" type="checkbox"/> detachable, by a piston bolt</p> <p><input type="checkbox"/> detachable thread, by a bolt</p>
1	33/1	<p><b>The function of the crank shaft in an internal combustion engine is:</b></p> <p><input type="checkbox"/> to drive the starter</p> <p><input type="checkbox"/> only to initiate the movement of the flywheel</p> <p><input checked="" type="checkbox"/> to accept the force applied by the connecting rod and transforming it into rotation</p> <p><input checked="" type="checkbox"/> to drive other aggregates of the motor vehicle and assemblies in the engine</p>

1	34/1	<p><b>The function of the flywheel is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> to drive the transmission box</li> <li><input checked="" type="checkbox"/> to assure the smooth rotation of the crankshaft</li> <li><input checked="" type="checkbox"/> to facilitate the start-up of the internal combustion engine</li> <li><input type="checkbox"/> to start up the internal combustion engine</li> </ul>
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1	35/1	<p><b>The function of the valves of the valve gear mechanism of an internal combustion engine is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only to open the intake opening of the cylinders in exactly preset instance in order to let fresh working mixture</li> <li><input checked="" type="checkbox"/> to open and close the intake and exhaust openings of the cylinders in exactly preset instances</li> <li><input type="checkbox"/> only to open the exhaust openings of the cylinders in order to vent the exhaust gases</li> </ul>
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1	36/1	<p><b>The function of the valve springs is:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> to assure the tight (hermetic) closure of the valves against the valve seats</li> <li><input type="checkbox"/> to assure the tight opening of the valves</li> <li><input type="checkbox"/> to assure the tight closure and opening of the valves</li> </ul>
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1	37/1	<p><b>The function of the cam shaft is:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> to open the valves of the valve gear mechanism in an exactly preset instance of the working cycle</li> <li><input type="checkbox"/> to open and close the valves of the valve gear mechanism in a random instance of the working cycle</li> <li><input type="checkbox"/> to close the valves of the valve gear mechanism in an exactly preset instance of the working cycle</li> </ul>
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1	38/1	<p><b>The cam shaft is driven by:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the generator</li> <li><input checked="" type="checkbox"/> the crank shaft</li> <li><input type="checkbox"/> the starter</li> </ul>
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1	39/1	<p><b>Movement from the cam shaft to the valves is transferred by:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> a belt drive</li> <li><input checked="" type="checkbox"/> a drive group</li> <li><input type="checkbox"/> a gear transmission</li> </ul>
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1	41/1	<p><b>The following are components of the cam shaft of the valve gear:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> bearing journal</li> <li><input type="checkbox"/> eccentrics</li> <li><input checked="" type="checkbox"/> cam profiles (cams)</li> </ul>
1	42/1	<p><b>The undercarriage of a vehicle includes:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> frame</li> <li><input checked="" type="checkbox"/> axles and suspension</li> <li><input checked="" type="checkbox"/> wheels and tires</li> <li><input type="checkbox"/> transmission box and cardan drive shaft</li> </ul>
1	43/1	<p><b>The function of vehicle axles is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only to drive the vehicle by means of the axle mechanisms</li> <li><input checked="" type="checkbox"/> to carry the own mass and the load of the vehicle through the suspension and transfer it to the wheels</li> <li><input type="checkbox"/> only to steer the vehicle by means of the axle mechanisms</li> </ul>
1	46/1	<p><b>The multi-purpose body of a truck is designed for:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the attachment of permanently mounted equipment</li> <li><input checked="" type="checkbox"/> to carry various kinds of load</li> </ul>
1	47/1	<p><b>A truck with a special-purpose body is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the universal tractor</li> <li><input checked="" type="checkbox"/> the refrigerator truck</li> <li><input checked="" type="checkbox"/> the tank truck</li> <li><input type="checkbox"/> the platform truck</li> </ul>