

## EXECUTIVE AGENCY "ROAD TRANSPORT ADMINISTRATION"

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

Topic 9: Power train

Points	Number	Question and answers
1	1/1	<p><b>Which of the items listed below are components of the power train (transmission):</b></p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> the clutch and the transmission box</li><li><input checked="" type="checkbox"/> the cardan drive</li><li><input checked="" type="checkbox"/> the differential and axle shafts</li><li><input type="checkbox"/> the steering mechanisms of the motor vehicle</li></ul>
1	2/1	<p><b>The clutch is a component of:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> the steering mechanisms of the motor vehicle</li><li><input checked="" type="checkbox"/> the power train (transmission) of the motor vehicle</li><li><input type="checkbox"/> the vehicle chassis</li><li><input type="checkbox"/> the suspension of the vehicle</li></ul>
1	3/1	<p><b>The function of the clutch is:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> to engage the internal combustion engine to the cardan drive</li><li><input checked="" type="checkbox"/> to engage the engine to the transmission and to disengage the engine from the transmission for a short period of time</li><li><input type="checkbox"/> to engage the components of the transmission to the chassis</li></ul>
1	4/1	<p><b>When the engine is running and the clutch is engaged, the clutch is actuated by:</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> the vehicle starter</li><li><input checked="" type="checkbox"/> the flywheel of the internal combustion engine</li><li><input type="checkbox"/> by the vehicle generator</li></ul>
1	5/1	<p><b>When the clutch pedal is pressed:</b></p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> the clutch is disengaged and the power train is uncoupled</li><li><input type="checkbox"/> the clutch is disengaged and the power train is coupled</li><li><input type="checkbox"/> the clutch is engaged</li></ul>

1	6/1	<p><b>When the clutch pedal is released:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the clutch is engaged and the power train is uncoupled</li> <li><input type="checkbox"/> the clutch is disengaged and the power train is uncoupled</li> <li><input checked="" type="checkbox"/> the clutch is engaged and the power train is coupled</li> </ul>
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1	7/1	<p><b>The transmission box is a component (unit) of:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the steering mechanisms of the vehicle</li> <li><input checked="" type="checkbox"/> the power train (transmission) of the vehicle</li> <li><input type="checkbox"/> the vehicle chassis</li> <li><input type="checkbox"/> the steering system</li> </ul>
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1	8/1	<p><b>The function of the transmission box is:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> to change the transferred torque</li> <li><input type="checkbox"/> only to couple the internal combustion engine to the transmission</li> <li><input type="checkbox"/> to secure the turning of the front wheels</li> </ul>
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1	9/1	<p><b>When the engine is running and the clutch is engaged, the transmission box is directly driven by:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the crank shaft of the internal combustion engine</li> <li><input type="checkbox"/> the cardan drive</li> <li><input checked="" type="checkbox"/> the clutch</li> </ul>
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1	10/1	<p><b>The gear ratio of the transmission box is determined by:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the total number of gears of the transmission box</li> <li><input checked="" type="checkbox"/> the number of direct gears</li> <li><input type="checkbox"/> a neutral position, 1 (one), is added to the total number of gears of the transmission box</li> </ul>
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1	11/1	<p><b>The cardan drive is a component of:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the steering mechanisms of the vehicle</li> <li><input checked="" type="checkbox"/> the power train (the transmission) of the vehicle</li> <li><input type="checkbox"/> the transmission box</li> <li><input type="checkbox"/> the steering system</li> </ul>
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1	12/1	<p><b>The function of the cardan drive is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> to transfer torque from the clutch to the main transmission</li> <li><input checked="" type="checkbox"/> to transfer torque from the transmission box to the main transmission at a variable angle and varying distance between them</li> <li><input type="checkbox"/> to transfer torque from the transmission box to the wheels</li> </ul>
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1	13/1	<p><b>The differential is a component of:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the main transmission</li> <li><input checked="" type="checkbox"/> the power train (transmission) of the vehicle</li> <li><input type="checkbox"/> the steering mechanisms of the vehicle</li> </ul>
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1	14/1	<p><b>The function of the differential is:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> to distribute the speed of rotation between the driving wheels depending on the specific driving conditions (driving in a turn)</li> <li><input type="checkbox"/> to change the direction of torque transfer at an angle of 90 degrees from the cardan drive to the driving wheels</li> <li><input type="checkbox"/> to amplify the torque transferred by the cardan drive to the driving wheels by changing of its direction and transferring it at an angle of 90 degrees</li> </ul>
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1	15/1	<p><b>The differential may be located:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> in the vehicle suspension</li> <li><input checked="" type="checkbox"/> in the casing of the driving axle</li> <li><input type="checkbox"/> in the casing of the transmission box</li> </ul>
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1	16/1	<p><b>The function of the main transmission is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only to reduce the torque transferred from the cardan drive to the driving wheels by changing its direction</li> <li><input type="checkbox"/> only to change the direction of the torque transferred from the cardan drive to the driving wheels</li> <li><input checked="" type="checkbox"/> to amplify the torque transferred from the cardan drive to the driving wheels by changing its direction</li> </ul>
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1	17/1	<p><b>The axle shafts are components of:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> the wheels of the vehicle</li> <li><input checked="" type="checkbox"/> the power train (the transmission) of the vehicle</li> <li><input type="checkbox"/> the steering axle of the vehicle</li> <li><input type="checkbox"/> the vehicle suspension</li> </ul>
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1	18/1	<p><b>The function of the axle shafts is:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> only to transfer torque from the main transmission to the driving wheels</li> <li><input checked="" type="checkbox"/> to transfer torque from the differential to the driving wheels and vice versa</li> </ul>
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1	19/1	<p><b>The function of the axle shafts is:</b></p> <p><input type="checkbox"/> only to transfer torque from the main transmission to the driving wheels</p> <p><input checked="" type="checkbox"/> to transfer torque from the differential to the driving wheels and vice versa</p>
1	20/1	<p><b>The clutch is disengaged by:</b></p> <p><input type="checkbox"/> smoothly pressing the clutch pedal</p> <p><input type="checkbox"/> quickly releasing the clutch pedal</p> <p><input checked="" type="checkbox"/> moderately quick pressing the clutch pedal to the end</p>
1	21/1	<p><b>Wearing out of the friction plate of the clutch is detected by:</b></p> <p><input type="checkbox"/> the abrupt increase of the vehicle speed when first gear is engaged</p> <p><input checked="" type="checkbox"/> no change in the speed of the vehicle when the revolutions of the engine are abruptly increased</p> <p><input type="checkbox"/> the abrupt increase of the vehicle speed when direct gear is engaged</p>
1	22/1	<p><b>Wearing out of the friction plate of the clutch:</b></p> <p><input type="checkbox"/> causes the increase of the free play of the clutch pedal</p> <p><input type="checkbox"/> does not affect the free play of the clutch pedal</p> <p><input checked="" type="checkbox"/> results in decreasing the free play of the clutch pedal</p>
1	23/1	<p><b>The "sliding" of the clutch plates is an indication of:</b></p> <p><input type="checkbox"/> large free play of the clutch pedal</p> <p><input checked="" type="checkbox"/> small free play of the clutch pedal</p> <p><input type="checkbox"/> normal free play of the clutch pedal</p>
1	24/1	<p><b>The free play of the clutch pedal is adjusted:</b></p> <p><input type="checkbox"/> every day</p> <p><input type="checkbox"/> twice a year, during the seasonal technical maintenance</p> <p><input checked="" type="checkbox"/> whenever necessary</p>
1	25/1	<p><b>Checking the level of fluid in the clutch tank is a compulsory operation:</b></p> <p><input type="checkbox"/> for all clutch types</p> <p><input type="checkbox"/> only for truck clutches</p> <p><input checked="" type="checkbox"/> for hydraulically actuated clutches</p>

1	26/1	<p><b>When the level of the fluid in the hydraulic cylinder tank of a hydraulically actuated clutch is reduced:</b></p> <p><input type="checkbox"/> water is added</p> <p><input checked="" type="checkbox"/> the same type of fluid is added</p> <p><input type="checkbox"/> ethyl alcohol may be added</p> <p><input type="checkbox"/> any kind of technical-purpose fluid may be added</p>
1	27/1	<p><b>When changing the fluid of a hydraulically actuated clutch:</b></p> <p><input type="checkbox"/> the components of the hydraulic mechanism are washed with water</p> <p><input type="checkbox"/> the components of the hydraulic mechanism are cleaned with compressed air</p> <p><input checked="" type="checkbox"/> the components of the hydraulic mechanism are washed with ethyl alcohol</p>
1	28/1	<p><b>The daily technical maintenance of a hydraulically actuated clutch requires:</b></p> <p><input type="checkbox"/> grease lubrication</p> <p><input checked="" type="checkbox"/> inspection for leaks</p> <p><input checked="" type="checkbox"/> adding fluid when necessary</p> <p><input type="checkbox"/> adjustment</p>
1	29/1	<p><b>The emergence of a metallic scratching noise and increased temperature of the transmission box may be caused by:</b></p> <p><input type="checkbox"/> Wearing out of the gear wheels of the transmission box</p> <p><input type="checkbox"/> Wearing out of the ball sockets of the gear lever</p> <p><input checked="" type="checkbox"/> no oil or the use of oil with inappropriate quality</p>
1	30/1	<p><b>Worn out or deformed gaskets of the transmission box may cause:</b></p> <p><input type="checkbox"/> arbitrary disengagement of gears</p> <p><input type="checkbox"/> arbitrary engagement of the transmission box gears</p> <p><input checked="" type="checkbox"/> oil leak from the transmission box</p>
1	31/1	<p><b>The type of oil in the transmission box and the period of oil change is determined by:</b></p> <p><input type="checkbox"/> the driver, depending on road conditions</p> <p><input type="checkbox"/> the driver, depending on weather conditions</p> <p><input checked="" type="checkbox"/> the vehicle manufacturer</p>

1	32/1	<p><b>When the level of the oil in the transmission box is reduced:</b></p> <p><input type="checkbox"/> add oil of the type used in the engine</p> <p><input type="checkbox"/> replace the oil</p> <p><input checked="" type="checkbox"/> add the same type of oil</p>
1	33/1	<p><b>The oil in the transmission box is changed:</b></p> <p><input type="checkbox"/> while the engine is running, the clutch engaged and with a neutral position of the gear lever</p> <p><input type="checkbox"/> while the engine is running and with the clutch disengaged</p> <p><input checked="" type="checkbox"/> while the engine is off</p>
1	34/1	<p><b>The type of oil in the casing of the steering axle and the period of oil change is determined by:</b></p> <p><input type="checkbox"/> the driver, depending on weather conditions</p> <p><input checked="" type="checkbox"/> the vehicle manufacturer</p> <p><input type="checkbox"/> the driver, depending on road conditions</p>
1	35/1	<p><b>The quantity of oil in the casing of the steering axle must be:</b></p> <p><input type="checkbox"/> sufficient to fill the whole capacity of the casing</p> <p><input type="checkbox"/> not less than one litre</p> <p><input checked="" type="checkbox"/> up to the level of the control plug</p>
1	36/1	<p><b>The oil in the steering axle casing is changed:</b></p> <p><input type="checkbox"/> immediately before departure of the vehicle</p> <p><input checked="" type="checkbox"/> immediately after the vehicle is stopped</p> <p><input type="checkbox"/> according to the assessment and free time of the driver</p>