

Задания для домашней контрольной работы  
по учебному предмету «Иностранный язык (профессиональная  
лексика)»

для учащихся заочной формы получения образования

Специальность: 2-37 01 06 «Техническая эксплуатация автомобилей  
(по направлениям)»

Квалификация: техник-механик

## Содержание

Методические рекомендации по выполнению и оформлению контрольной работы	3
Вариант 1.	5
Вариант 2.	7
Вариант 3.	9
Вариант 4.	11
Вариант 5.	13
Вариант 6.	15
Вариант 7.	17
Вариант 8.	19
Вариант 9.	21
Вариант 10.	24
Вариант 11.....	25
Вариант 12.....	27
Вариант 13.....	29
Вариант 14.....	31
Вариант 15.....	33
Вариант 16.....	35
Вариант 17.....	37
Вариант 18.....	39
Вариант 19.....	41
Вариант 20.....	43

## Методические рекомендации по выполнению и оформлению контрольной работы

Контрольные задания предлагаются в двадцати вариантах. Вариант контрольной работы выбирается в соответствии с двумя последними цифрами шифра учащихся.

Домашняя контрольная работа выполняется в тетради в клеточку рукописным способом синими или фиолетовыми чернилами или с использованием компьютерной техники на одной стороне листа белой бумаги формата А4 (210x297 мм). При этом необходимо использовать шрифты типа Times New Roman размером 14 пунктов, межстрочный интервал ординарный. Абзацный отступ составляет 1,25 см.

Устанавливаются следующие размеры полей: верхнего и нижнего – не менее 10 мм, левого – 20 мм, правого 10 мм. Выравнивание основного текста работы – по ширине.

Нумерация страницы дается в центре снизу листа арабскими цифрами. Первой страницей контрольной работы является титульный лист, который включается в общую нумерацию страниц. На титульном листе номер страницы не ставится.

Контрольная работа должна выполняться аккуратно, чётким почерком. При выполнении контрольной работы оставляйте поля для замечаний, объяснений и методических указаний рецензента. Тетрадь должна быть объемом не более, как правило, 12 листов рукописного текста на двух сторонах листа (через клеточку).

Текст работы должен быть написан в строгом соответствии с правилами орфографии, синтаксиса и пунктуации.

Задания контрольной работы должны быть выполнены в той последовательности, в которой они даны.

### Методические рекомендации к контрольной работе

Для того чтобы выполнить задания, необходимо усвоить следующие разделы по программе:

**1. Имя существительное.** Образование множественного числа. Притяжательный падеж существительных. Исчисляемые и неисчисляемые существительные, например: A chip (исчисляемое) – chips (мн.ч.); Silicon (неисчисляемое) – множественное число не образует.

Следует обратить внимание на согласование подлежащего и сказуемого в предложении. Например: His works on the subjects were not published.

**2. Имя прилагательное.** Степени сравнения прилагательных. Обратите внимание на различные способы образования сравнительной и превосходной степени сравнения, их исключения, а также перевод на русский язык. Например: wide – wider – the widest (широкий – шире – широчайший, самый широкий); sophisticated – more sophisticated – the more sophisticated; good – better – the best.

**3. Форма настоящего (Present), прошедшего (Past), будущего (Future) времени группы Indefinite (Simple) действительного залога изъявительного наклонения.** Спряжение глаголов to be, to have в Present Indefinite, Past Indefinite. При изучении данной темы обратите внимание на употребление косвенных указателей грамматических времен. Например:

often, sometimes, every (Present Indefinite);

last, ago, (Past Indefinite);

as soon as, next, tomorrow (Future Indefinite).

**4. Построение отрицательного предложения по стандартной схеме:** подлежащее-вспомогательный глагол-частица not-основной глагол-остальные члены предложения. Например, Electricians don't repair and maintain cars.

**5. Образование пассивного залога в разных временах.**

Например: She wrote a book. (The Active Voice) - A book was written by her. (The Passive Voice). The piston *compresses* fuel and air. (The Active Voice) - Fuel and air *are compressed* by the piston. (The Passive Voice).

**6. Употребление предлогов места, времени, направления.**

**7. Построение 5-ти типов вопросов:** общий, специальный, вопрос к подлежащему, альтернативный, разделительный.

**8. Порядок слов в простом, сложносочиненном и сложноподчиненном предложении.**

## **Вариант 1.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Chassis operation**

An automobile chassis includes the car frame, drive train, suspension, wheels, as well as steering, and brake systems.

Earlier cars had frames on which the body was mounted in separate pieces. Modern cars have a steel body that combines the function of the frame with the central cabin of the body. The sub frame, front or rear, is a small steel brace that supports the engine or suspension and is welded to the car's body structure.

The drive system carries the engine's power from the transmission to the wheels that move the car. Depending on the automobile, these may be front wheels, the rear wheels, or both sets of wheels. Most cars today have a front-wheel drive. The front wheels not only steer the car but also drive it. A front-wheel drive combines the engine, transmission, and differential under the hood. The automobile wheels are attached to the car frame by a suspension system.

The steering system normally controls the angle of the front wheels turn. Most cars today have power steering, which uses engine power to reduce the effort of turning the steering wheel. Some vehicles use four-wheel steering, which allows the rear as well as the front wheels to steer. While this adds stability and maneuverability, it also adds weight, cost, and complexity.

### **2. Ответьте на вопросы по тексту.**

1. Where is the engine located?
2. What does a steel body combine?
3. What is the function of the drive system?
4. What purpose is the steering system designed for?
5. What main units does the chassis consist of?

### **3. Соотнесите начало и конец предложения по смыслу. Запишите составленные предложения, переведите их на русский язык.**

1. If you turn this steering wheel clockwise,
  2. If you press the accelerator pedal,
  3. If you push the horn button,
  4. If you press the light switch upwards,
  5. If you rotate the key in the ignition clockwise,
-

- a) the engine switches on; b) the lights go on; c) the horn sounds;
- d) the car goes faster; e) the car turns to the right.

**4. Выберите нужную форму слова. Запишите составленные предложения, переведите их на русский язык.**

1. This car is (*long, longer, length*) than that one.
2. Its (*weigh, weight, width*) is more than 50 kilograms.
3. This ladder is as (*high, height, higher*) as that one.
4. The pool is very (*depth, deeper, deep*).
5. It's a very thick wall. Its (*thick, thicker, thickness*) is 38 cm.

**5. Прочтите описание различных типов автомобилей. Напишите верное или неверное утверждение (True or False). Исправьте тип кузова и запишите правильно неверные утверждения.**

1. The saloon car is a car that has a separate enclosed space for bags, cases.
2. The van car (фургон) is a car with a roof which you can fold back or remove.
3. The hatchback car is a car with a door at the back that opens upwards.
4. The limousine car is a vehicle made for travelling over rough ground.
5. The off-road car is a big expensive car, usually driven by a chauffeur.

**6. Вставьте необходимые предлоги.**

1. Vans have enough room ... bags.
2. The 4-cylinder engine is standard ... smaller cars.
3. The pump sends the fluid ... the engine.
4. A separate circuit for cooling the transmission is built ... the radiator.
5. Most dealerships provide diagnostic computers ... each technician.

**7. Задайте вопросы всех типов к следующему предложению.**

The airbag reduces the damage to the car in head-on collision.

**8. Составьте предложения, поставив слова в правильном порядке. Предложения запишите.**

1. the wheels rotate, is, and, the source, that makes, of power, the engine, the car move;
2. lubricating, electric, it, cooling, and, includes fuel, systems;
3. six, most, have, eight, cylinders, or ,automobile engines;
4. consists of, with axles, the running gear, wheels, and ,a frame, springs;
5. is, three, basic, made up, parts, the automobile, of.

## **Вариант 2.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Comfort and convenience of the car**

Dashboard instruments provide the driver with certain information. A speedometer measures a car's speed. A fuel level gauge tells how full the gas tank is. Many cars have gauges that record oil pressure, battery voltage and the temperature of the engine coolant. Other cars have warning lights to alert the driver to problems with oil pressure, battery voltage, and engine temperature.

Virtually all cars come with a heater, which blows air warmed by engine heat into the passenger compartment. Some cars also have an air conditioner, an option that draws on engine power to produce cool air. Many other comfort and convenience devices are also optional. They include audio equipment, power window regulator, power door locks, power seat adjuster and power mirrors. A computer operated mechanism called cruise control makes it possible for a driver to cruise at a desired set speed without stepping on the gas pedal.

### **2. Ответьте на вопросы по тексту.**

1. Many cars have gauges that record oil pressure, don't they?
2. What provides the driver with certain information?
3. What option produces cool air?
4. What is the function of cruise control?
5. Are many comfort and convenience devices optional?

### **3. Соотнесите вопросы с ответами. Запишите их и переведите на русский язык.**

1. What is a carburettor used for? A. It's a special tube in the carburettor.
2. What happens in the combustion B. In the carburettor. chamber?
3. Where is the fuel mixed with C. It's used for mixing fuel the air? with air.
4. What is a venturi? D. The fuel mixture is ignited.
5. What is burnt in the engine? E. Fuel is burnt in the engine.

### **4. Прочтите текст, заполните пропуски подходящими по смыслу словами. Запишите слова в правильной последовательности, переведите их на русский язык.**

*down four-stroke stroke opens piston spark plug*

### ***power mixture exhaust moves up***

The gasoline engine operates on a ... cycle in most cars.

On the intake stroke, the piston moves ... the cylinder and draws in a fuel-air mixture as the intake valve ... . The valve then closes, and the ... moves back up the cylinder on the compression ... , squeezing the fuel-air ... . At the top of the stroke, the ... ignites the compressed mixture. The burning causes the gases to expand, forcing the piston down in the ... stroke. On the exhaust stroke, the piston ... again and pushes the burned gases out the open ... valve. The exhaust valve then closes, the intake valve opens, and the cycle starts again.

### **5. Напишите верное или неверное утверждение (True or False). Исправьте неверные утверждения, запишите их.**

1. The majority of cars have the engine in the rear of the vehicle.
2. The engine block is also called the cylinder block.
3. In most cases, the cylinders are arranged either in a straight line or in three equal rows.
4. An in-line engine with 4 cylinders is called a straight 4.
5. The more cylinders an engine has, the more its power.

### **6. Вставьте необходимые предлоги.**

1. The liquid goes ... passages in the engine ... the cylinders.
2. A mechanic should be knowledgeable in working ... all parts of cars.
3. In producing automobiles new types ... resistant... corrosion light materials should be used.
4. Off-road cars are especially good ... rough roads.
5. The relatively light weight ... the vehicle makes it an economical choice.

### **7. Задайте вопросы всех типов к следующему предложению.**

Cars with electric motors are harmlesser to the environment than traditional cars.

### **8. Составьте предложения, поставив слова в правильном порядке. Предложения запишите.**

1. indicates, alignment, uneven, tyre, wear, problem;
2. of, the, tread, there, is, a, safe, limit wear;
3. regularly, - at least, once, a month, check, the, tyre, pressure;
4. tyres, have, your, balanced?
5. 2-stroke, most, but, use, engines, motorbikes.



### Вариант 3.

#### 1. Прочитайте текст, письменно его переведите.

##### **What a manual transmission works**

The driver shifts the gears of a manual transmission by means of a hand operated lever called a gearshift. Most manual transmissions have a neutral position; three, four, or five forward gears; and a reverse gear. The driver puts the transmission into neutral when he is being started.

To put a car into forward motion, the driver shifts into first, or low gear. This gear provides the highest torque and the lowest speed. As the car picks up speed, the driver shifts into second gear, then into third gear, and so on, until the transmission is in the highest gear desired. If extra torque is needed, the driver may downshift a higher gear to a lower one. This situation might occur when the car goes up a steep hill.

The clutch. The driver of a car with a manual transmission must operate the clutch along with the gearshift. The clutch, which is operated by a pedal, connects the engine to the transmission. The driver must disengage the clutch when shifting gears.

The clutch consists basically of three disks: the flywheel, the pressure plate, and the clutch plate.

#### 2. Ответьте на вопросы по тексту.

1. What position does the driver put the transmission into when he is being started?
2. The driver of a car with a manual transmission must operate the clutch along with the gearshift, mustn't he?
3. What connects the engine to the transmission?
4. What disks does the clutch consist of?
5. How many positions do most manual transmissions have?

#### 3. Соотнесите начало и конец предложения по смыслу. Запишите составленные предложения, переведите их на русский язык.

1. The function of the fuel system is ... .
2. The fuel is stored in ... .
3. All tanks have ... .
4. Two types of fuel pumps are used in automobiles ... .
5. Many cars today locate the fuel pump ... .

---

inside the fuel tank; to store and supply fuel to the cylinder chamber; mechanical and electric; a fuel filler pipe, a fuel outlet line to the engine and a vent system; in a fuel tank.

#### 4. Выберите правильную форму глагола. Запишите составленные предложение, переведите их на русский язык.

1. This mechanism *uses/is used* in the engine.
2. Fuel and air *is mixed/ are mixed* in the carburettor.
3. This fuel *is used/ use* in all types of engines.
4. Fuel and air *compressed/ are compressed* by the piston.
5. The body of the car *is supported/ supports* on the frame.

**5. Откорректируйте неверную информацию в предложениях, используя слова под чертой.**

1. A wheel with teeth around the edge is called a ring.
2. The transmission can adjust the proportions of fuel and air.
3. Most automobile transmissions have ten gear ratios.
4. When the transmission increases the torque, it increases the speed.
5. The process of cruising at a steady speed is called shifting gears.

---

Changing from one gear ratio to another; decreases the torque; a gear; between two and six gear ratios; torque and speed.

**6. Вставьте необходимые предлоги.**

1. Deciding ... 4-cylinder and 6-cylinder engines take into consideration the type of the car.
2. There is a separate circuit ... the heating system.
3. Specialists ... automobile industry should develop up-to-date methods... designing cars.
4. All cars undergo a rigid quality control... tests.
5. Sport cars are very popular ... young people.

**7. Задайте вопросы всех типов к следующему предложению.**

An automotive battery is a type of rechargeable battery that supplies electric energy to an automobile.

**8. Составьте предложения, поставив слова в правильном порядке. Предложения запишите.**

1. go, foster, they, usually, petrol engines, danger, fire;
2. are, two, 2-stroke, and, of, petrol, engine, - 4-stroke, there, main types;
3. 2-stroke, most, but, use, engines, motorbikes;
4. smaller, engines, usually, lighter, and, petrol, than, diesel, are, engines;
5. of, the, tread, there, is, a, safe, limit wear.

#### **Вариант 4.**

##### **1. Прочитайте текст, письменно его переведите.**

###### **Function and work of gearbox**

The gearbox is placed between the clutch and the propeller shaft. The principal function of the gearbox is to vary the speed of the car movement to meet the road conditions. The gearbox provides four forward speeds and one reverse, as follows: first or low gear; second gear; third gear; fourth or top gear; reverse gear.

There are many constructional arrangements of gearboxes, which can be classified as follows: sliding-mesh type; constant-mesh type; epicyclic (planetary) type.

The sliding-mesh type is the simplest one and is the oldest historically. The constant-mesh type is the most widely used type. They are termed "ordinary" gearing, the characteristic feature of which is that the axes of the various gears are fixed axes. The gears simply rotate about their own axes.

The characteristic feature of epicyclic (planetary) gearing is that one gear rotates about its own axis and also rotates bodily about some other axis.

To secure the several speeds of the car the clutch shaft is mounted in direct line with the gearbox shaft. The gearbox shaft carries on it the sliding gears which are used for shifting to secure the forward speeds and the reverse drive.

##### **2. Ответьте на вопросы по тексту.**

1. What is the function of the gearbox?
2. What speeds does the gearbox provide?
3. What types of gearboxes do you know?
4. Why is the clutch shaft mounted in direct line with the gearbox shaft?
5. Where is the gearbox situated?

##### **3. Запишите предложения в страдательном залоге. Переведите их на русский язык.**

1. The carburettor performs this function.
2. The carburettor measures exact quantities of petrol.
3. The carburettor breaks up petrol into the fine particles.
4. The mixture burns rapidly.
5. The filter cleans the air.

##### **4. Прочтите диалог. Подберите подходящие по смыслу слова. Запишите предложения с пропусками, переведите их на русский язык.**

**Pavel:** Could you tell me what a carburettor is? What system does it belong

to?

**Teacher:** Well, it belongs to ... .

**Pavel:** And what functions does it perform?

**Teacher:** The two functions to be performed by the carburettor are very important. Its first function is ... .

**Pavel:** What is the second function, I wonder?

**Teacher:** Oh, it is ... so that the mixture will burn rapidly, of course.

**Pavel:** And may the carburettor be blocked?

**Teacher:** Certainly, it may happen as petrol ... .

**Pavel:** I see. What is there above the carburettor?

**Teacher:** That's an ... . Its function is to clean the air to be delivered to the carburettor.

**Pavel:** Does that mean that the carburettor can't be blocked ... ?

**Teacher:** Certainly.

---

*to measure exact quantities of petrol to be mixed with air; if the filter works well; air filter; to break up petrol into the fine particles; the fuel system of the car; contains some dirty particles*

**5. Переделайте утвердительные предложения в отрицательные. Запишите составленные предложения.**

1. Teachers repair and maintain cars.
2. If the part is worn, a car mechanic replaces it.
3. The easiest aspect of car repair is diagnosing the problem.
4. Car mechanics compare themselves to painters.
5. Mechanics are using chalk constantly.

**6. Вставьте необходимые предлоги.**

1. Deciding ... 4-cylinder and 6-cylinder engines take into consideration the type of the car.
2. Engines have improved greatly ... last century.
3. The car is put... mass production after laboratory and road tests.
4. This job involves the replacement ... some parts.
5. In the limousine you have a lot ... space.

**7. Задайте вопросы всех типов к следующему предложению.**

The lubricating system delivers oil to the moving parts of the engine.

**8. Составьте предложения, поставив слова в правильном порядке. Предложения запишите.**

1. the wheels rotate, is, and, the source, that makes, of power, the engine, the car move;
2. lubricating, electric, it, cooling, and, includes fuel, systems;

3. six, most, have, eight, cylinders, or ,automobile engines;
4. consists of, with axles, the running gear, wheels, and ,a frame, springs;
5. is, three, basic, made up, parts, the automobile, of.

### **Вариант 5.**

#### **1. Прочитайте текст, письменно его переведите.**

##### **Types of brakes**

Brakes are used to slow or stop the car where it is necessary. It is one of the most important mechanisms of the car as upon its proper performance the safety of passengers depends. Car brakes can be divided into two types, namely: drum brakes and disc brakes. The drum type may be either a band brake or a shoe brake. Depending on their functions, the automobile has foot brakes and hand brakes (parking brakes). According to their mode of operation, the brakes are classified as: mechanical brakes, hydraulic brakes, airbrakes, electric brakes. Brakes are controlled by the brake pedal.

Most braking systems in use today are hydraulic. This system consists of a master cylinder mounted on the car frame and wheel cylinders. When the driver pushes down on the brake pedal, it forces the piston to move in the master cylinder and brake fluid is delivered from it to the wheel cylinders. The piston movement causes brake shoes to move and the brakes are applied (the brake shoes are pressed against the brake drums).

The air brake uses compressed air to apply the braking force to the brake shoes. Electric brakes use electromagnets to provide the braking effort against the brake shoes.

Formerly brakes were applied only to the two rear wheels, but now all cars are equipped with all-wheels brakes. Today many improvements are being made in brakes.

#### **2. Ответьте на вопросы по тексту.**

1. What types are brakes divided into?
2. What is the function of the brakes?
3. What braking systems are used today?
4. By what are brakes controlled?
5. When are brakes applied?

#### **3. Исправьте ошибки в следующих предложениях. Запишите составленные предложения, переведите их на русский язык.**

1. Most modern cars are use aluminum radiators.
2. The coolant flows through much tubes.

3. The amount of heat depends on different in temperature.
4. Radiators usually have a tank on every side.
5. The transmission cooler likes a radiator within a radiator.
4. **Прочтите текст, заполните пропуски подходящими по смыслу словами. Запишите слова в правильной последовательности, переведите их на русский язык.**

The engine ... and cylinder head have many passageways to allow for ... flow. These passageways direct the ... to the most critical areas of the engine.

... in the combustion chamber of the engine can reach 4,500 °F (2,500 °C), so cooling the area around the cylinders is critical. Areas around the exhaust valves are especially crucial, and almost all of the space inside the cylinder head around the ... that is not needed for structure is filled with coolant. If the engine goes without ... for very long, it can seize. When this happens, the metal gets hot. This usually means the complete ... of the engine.

One interesting way to reduce the demands on the cooling ... is to reduce the amount of heat that is transferred from the combustion chamber to the metal ... of the engine. Some engines do this by coating the inside of the top of the cylinder head with a thin layer of ... . Ceramic is a poor conductor of heat, so less heat is conducted through to the metal and more passes out of the exhaust. The head of the engine also has large coolant passageways.

***Fluid, ceramic, valves, cooling, temperatures, coolant, destruction, parts, system, block.***

5. **Напишите верное или неверное утверждение (True or False). Исправьте неверные утверждения, запишите их.**

1. Sand and road salt improve the exterior paint of the car.
2. Moisture speeds up the corrosion process.
3. Scratches are less likely to be corroded after winter.
4. Wax will help to preserve the paint of the car.
5. If you lubricate the door and trunk, they won't freeze.

6. **Вставьте необходимые предлоги.**

1. The pump sends the fluid ... the engine.
2. There is a separate circuit ... the heating system.
3. The car is put... mass production after laboratory and road tests.
4. Expensive cars are usually driven ... chauffeurs.
5. Most dealerships provide diagnostic computers ... each technician.

7. **Задайте вопросы всех типов к следующему предложению.**

Seatbelts provide the best possible restraint in the event of a collision.

8. **Составьте предложения, поставив слова в правильном порядке.**

1. the, power, gases, from the, engine, expansion, of, gets its, burning, diesel;
2. the, in-line, are, lined up, in, cylinders, in, single, arrangement, the, row, a;
3. that, is, diesel, more, energy, than, liquid fuel, contains, heat, gasoline, oil;

4. was, the, diesel, Dr. Rudolph Diesel, engine, working, on;
5. the, engine, in, the, gasoline, Diesel, is, engine, many, similar to, ways.

### **Вариант 6.**

#### **1. Прочитайте текст, письменно его переведите.**

##### **Steering System**

To guide the car, it is necessary to have some means of turning the front wheels so that the car can be pointed in the direction the driver wants to go. The steering wheel in front of the driver is linked by gears and levers to the front wheels for this purpose. The front wheels are on pivots so they can be swung to the left or right. They are attached by steering knuckle arms to the rods. The tie-rods are, in turn, attached to the pitman arm.

When the steering wheel is turned, gearing in the steering gear assembly causes the pitman arm to turn to the left or right. This movement is carried by the tie-rods to the steering knuckle arms, and wheels, causing them to turn to the left or right.

The steering system incorporates: the steering wheel and column, steering gear, pitman arm, steering knuckle arm, front axle, steering knuckle pivot, tie-rods.

There are several different manual steering gears in current use, such as the rack and pinion type and the recirculating ball type. The rack and pinion steering gear is widely used. Another manual steering gear which is popular in imported cars is the worm and sector type.

#### **2. Ответьте на вопросы по тексту.**

1. What mechanism is necessary to guide the car?
2. How is the steering wheel connected to the front wheels?
3. Why can the front wheels be swung to the left or to the right?
4. What does the manual steering system incorporate?
5. What types of manual steering gears in use do you know?

#### **3. Соотнесите начало и конец предложения по смыслу. Запишите составленные предложения, переведите их на русский язык.**

1. If you turn this steering wheel clockwise,
  2. If you press the accelerator pedal,
  3. If you push the horn button,
  4. If you press the light switch upwards,
  5. If you rotate the key in the ignition clockwise,
- 
- a) the engine switches on; b) the lights go on; c) the horn sounds;  
d) the car goes faster; e) the car turns to the right.

**4. Прочтите текст, заполните пропуски подходящими по смыслу словами.**

*down four-stroke stroke opens piston spark plug power mixture exhaust moves up*

The gasoline engine operates on a ... most cars.

On the intake stroke, the piston moves ... the cylinder and draws in a fuel-air mixture as the intake valve ... . The valve then closes, and the ... moves back up the cylinder on the compression ... , squeezing the fuel-air ... . At the top of the stroke, the ... ignites the compressed mixture. The burning causes the gases to expand, forcing the piston down in the ... stroke. On the exhaust stroke, the piston ... again and pushes the burned gases out the open ... valve. The exhaust valve then closes, the intake valve opens, and the cycle starts again.

**5. Откорректируйте неверную информацию в предложениях, используя слова под чертой. Исправленные предложения запишите.**

1. A wheel with teeth around the edge is called a ring.
2. The transmission can adjust the proportions of fuel and air.
3. Most automobile transmissions have ten gear ratios.
4. When the transmission increases the torque, it increases the speed.
5. The process of cruising at a steady speed is called shifting gears.

---

Changing from one gear ratio to another; decreases the torque; a gear; between two and six gear ratios; torque and speed.

**6. Вставьте необходимые предлоги.**

1. Convertible cars are good ... travelling in warm weather.
2. Deciding ... 4-cylinder and 6-cylinder engines take into consideration the type of the car.
3. A car mechanic specialises ... automobile repair.
4. In producing automobiles new types ... resistant... corrosion light materials should be used.
5. The liquid goes ... passages in the engine ... the cylinders.

**7. Задайте вопросы всех типов к следующему предложению.**

The two most common types of engines for cars are the petrol engine and diesel engine.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. the, engine, in, the, gasoline, Diesel, is, engine, many, similar to, ways;
2. the, power, gases, from the, engine, expansion, of, gets its, burning, diesel;
3. the, in-line, are, lined up, in, cylinders, in, single, arrangement, the, row, a;



4. that, is, diesel, more, energy, than, liquid fuel, contains, heat, gasoline, oil;
5. was, the, diesel, Dr. Rudolph Diesel, engine, working, on.

### **Вариант 7.**

#### **1. Прочитайте текст, письменно его переведите.**

##### **Production of the automobile**

All specialists in automobile industry dealing with manufacturing automobiles (cars or trucks) must know that the production of the automobile comprises the following phases: designing; working out the technology of manufacturing processes; laboratory tests; road tests; mass manufacturing (production).

Why is it necessary to know all these facts? It is important to know them, as before the automobile is put into mass production it should be properly designed and the car must meet up-to-date requirements. What are these requirements?

The automobile must have high efficiency, long service life, driving safety, ease of handling and maintenance, pleasant appearance. Also it must be comfortable and ecological. In order to obtain these qualities the specialists should develop up-to-date methods of designing cars using new types of resistant to corrosion light materials. Also it is important to know computer sciences because computers offer quick and optimal solutions of the problems. Besides they are used for better operation of mechanisms in cars.

Before the car is put into mass production the units of the car are subjected to tests in the Works laboratory and then the car undergoes a rigid quality control in road tests. Why are these tests required? What qualities are required of the automobile? They are needed because the modern automobile must be rapid in acceleration, have smooth acting clutch, silent gearbox, dependable braking and steering systems, dependable ignition system, low fuel consumption and be stable on the road.

#### **2. Ответьте на вопросы по тексту.**

1. What phases does the production of the automobile comprise?
2. What should automobile specialists know?
3. What requirements must modern automobiles meet?
4. Why are automobile units and mechanisms subjected to laboratory and road tests?
5. Why are computers used in cars?

#### **3. Соотнесите вопросы с ответами. Запишите их и переведите на русский язык.**

1. What is a carburettor used for? A. It's a special tube in the carburettor.
2. What happens in the combustion B. In the carburettor.  
chamber?
3. Where is the fuel mixed with C. It's used for mixing fuel  
the air? with air.
4. What is a venturi? D. The fuel mixture is ignited.
5. What is burnt in the engine? E. Fuel is burnt in the engine.

**4. Выберите правильную форму глагола. Запишите составленные предложение, переведите их на русский язык.**

1. This mechanism *uses/is used* in the engine.
2. Fuel and air *is mixed/ are mixed* in the carburettor.
3. This fuel *is used/ use* in all types of engines.
4. Fuel and air *compressed/ are compressed* by the piston.
5. The body of the car *is supported/ supports* on the frame.

**5. Переделайте утвердительные предложения в отрицательные. Запишите составленные предложения.**

1. Teachers repair and maintain cars.
2. If the part is worn, a car mechanic replaces it.
3. The easiest aspect of car repair is diagnosing the problem.
4. Car mechanics compare themselves to painters.
5. Mechanics are using chalk constantly.

**6. Вставьте необходимые предлоги.**

1. Engines have improved greatly ... last century.
2. A mechanic should be knowledgeable in working ... all parts of cars.
3. All cars undergo a rigid quality control... tests.
4. Vans have enough room ... bags.
5. Technicians must know the technology... manufacturing processes... car.

**7. Задайте вопросы всех типов к следующему предложению.**

The diesel engine gets its power from the expansion of burning gases.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. of, engines, petrol, engines, there, are, two, types, and, diesel, engines;
2. diesel, plugs, engines, do, not, spark ,have;
3. injectors, have, fuel ,they;

4. are, all, petrol, there, engines, spark, plugs, in;
5. there, engines valves, are, diesel, in, 4-stroke.

## **Вариант 8.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Chassis**

An automobile chassis includes the car frame, drive train, suspension, wheels, as well as steering, and brake systems.

Earlier cars had frames on which the body was mounted in separate pieces. Modern cars have a steel body that combines the function of the frame with the central cabin of the body. The subframe, front or rear, is a small steel brace that supports the engine or suspension and is welded to the car's body structure.

The drive system carries the engine's power from the transmission to the wheels that move the car. Depending on the automobile, these may be front wheels, the rear wheels, or both sets of wheels. Most cars today have a front-wheel drive. The front wheels not only steer the car but also drive it. A front-wheel drive combines the engine, transmission, and differential under the hood. The automobile wheels are attached to the car frame by a suspension system.

The steering system normally controls the angle of the front wheels turn. Most cars today have power steering, which uses engine power to reduce the effort of turning the steering wheel. Some vehicles use four-wheel steering, which allows the rear as well as the front wheels to steer. While this adds stability and maneuverability, it also adds weight, cost, and complexity.

### **2. Ответьте на вопросы по тексту.**

1. What main units does the chassis consist of?
2. Where is the engine located?
3. What is the gearbox designed for?
4. What is the function of the differential?
5. What purpose is the steering system designed for?

### **3. Соотнесите начало и конец предложения по смыслу. Запишите составленные предложения, переведите их на русский язык.**

1. The function of the fuel system is ... .
2. The fuel is stored in ... .
3. All tanks have ... .
4. Two types of fuel pumps are used in automobiles ... .
5. Many cars today locate the fuel pump ... .

---

inside the fuel tank; to store and supply fuel to the cylinder chamber; mechanical and electric; a fuel filler pipe, a fuel outlet line to the engine and a vent system; in a fuel tank.

**4. Выберите и запишите подходящее по смыслу слово. Переведите предложение на русский язык.**

1. The ... belongs to the brake system.  
a) shaft b) bonnet c) coolant d) caliper
2. The ... belongs to the cooling system.  
a) shaft b) wheel c) windshield d) coolant
3. The master cylinder consists of a ... and a fluid reservoir.  
a) crankshaft b) piston c) drum d) pad
4. The pedal is a strong steel ... which transmits the force from your foot to the master cylinder.  
a) wheel b) lever c) disk d) pad
5. If you rotate the key in the ignition clockwise:  
a) the car goes fast b) the engine switches on c) the lights go on

**5. Напишите верное или неверное утверждение (True or False). Исправьте неверные утверждения, запишите их.**

1. Sand and road salt improve the exterior paint of the car.
2. Moisture speeds up the corrosion process.
3. Scratches are less likely to be corroded after winter.
4. Wax will help to preserve the paint of the car.
5. If you lubricate the door and trunk, they won't freeze.

**6. Вставьте необходимые предлоги.**

1. The 4-cylinder engine is standard ... smaller cars.
2. Sport cars are very popular ... young people.
3. The pump sends the fluid ... the engine.
4. A mechanic should be knowledgeable in working ... all parts of cars.
5. Most dealerships provide diagnostic computers ... each technician.

**7. Задайте вопросы всех типов к следующему предложению.**

Starting a cold engine requires a large amount of power and a large amount of electricity.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. carry, the, and, fuel, steel lines, from, tank, to, the, engine, the, flexible hoses;
2. stored, in, a, which, gasoline, can, be, either, or, the, fuel, diesel, is, fuel, tank;
3. tanks, be, all, vented, must, fuel;
4. have, a, automobiles, located, in, the rear, most, of, tank, the, single, vehicle;
5. are, all, petrol, there, engines, spark, plugs, in.

## **Вариант 9.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Gearbox**

The gearbox is placed between the clutch and the propeller shaft. The principal function of the gearbox is to vary the speed of the car movement to meet the road conditions. The gearbox provides four forward speeds and one reverse, as follows: first or low gear; second gear; third gear; fourth or top gear; reverse gear.

There are many constructional arrangements of gearboxes, which can be classified as follows: sliding-mesh type; constant-mesh type; epicyclic (planetary) type.

The sliding-mesh type is the simplest one and is the oldest historically. The constant-mesh type is the most widely used type. They are termed "ordinary" gearing, the characteristic feature of which is that the axes of the various gears are fixed axes. The gears simply rotate about their own axes.

The characteristic feature of epicyclic (planetary) gearing is that one gear rotates about its own axis and also rotates bodily about some other axis.

To secure the several speeds of the car the clutch shaft is mounted in direct line with the gearbox shaft. The gearbox shaft carries on it the sliding gears which are used for shifting to secure the forward speeds and the reverse drive.

### **2. Ответьте на вопросы по тексту.**

1. Where is the gearbox situated?
2. What is the function of the gearbox?
3. What speeds does the gearbox provide?
4. What types of gearboxes do you know?
5. Why is the clutch shaft mounted in direct line with the gearbox shaft?

### **3. Запишите предложения в страдательном залоге. Переведите их на русский язык.**

1. The carburettor performs this function.
2. The carburettor measures exact quantities of petrol.

3. The carburettor breaks up petrol into the fine particles.
4. The mixture burns rapidly.
5. The filter cleans the air.

**4. Прочтите текст, заполните пропуски подходящими по смыслу словами. Запишите слова в правильной последовательности, переведите их на русский язык.**

The engine ... and cylinder head have many passageways to allow for ... flow. These passageways direct the ... to the most critical areas of the engine. ... in the combustion chamber of the engine can reach 4,500 °F (2,500 °C), so cooling the area around the cylinders is critical. Areas around the exhaust valves are especially crucial, and almost all of the space inside the cylinder head around the ... that is not needed for structure is filled with coolant. If the engine goes without ... for very long, it can seize. When this happens, the metal gets hot. This usually means the complete ... of the engine.

One interesting way to reduce the demands on the cooling ... is to reduce the amount of heat that is transferred from the combustion chamber to the metal ... of the engine. Some engines do this by coating the inside of the top of the cylinder head with a thin layer of ... . Ceramic is a poor conductor of heat, so less heat is conducted through to the metal and more passes out of the exhaust. The head of the engine also has large coolant passageways.

***Fluid, ceramic, valves, cooling, temperatures, coolant, destruction, parts, system, block.***

**5. Прочтите описание различных типов автомобилей. Напишите верное или неверное утверждение (True or False). Исправьте тип кузова и запишите правильно неверные утверждения.**

1. The saloon car is a car that has a separate enclosed space for bags, cases.
2. The van car (фургон) is a car with a roof which you can fold back or remove.
3. The hatchback car is a car with a door at the back that opens upwards.
4. The limousine car is a vehicle made for travelling over rough ground.
5. The off-road car is a big expensive car, usually driven by a chauffeur.

**6. Вставьте необходимые предлоги.**

1. Off-road cars are especially good ... rough roads.
2. The 4-cylinder engine is standard ... smaller cars.
3. The pump sends the fluid ... the engine.
4. This job involves the replacement ... some parts.
5. In producing automobiles new types ... resistant... corrosion light materials should be used.

**7. Задайте вопросы всех типов к следующему предложению.**

The parts of an engine vary depending on the engine's type.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. the, starting system, of, is, to, moving, induce, the, main, vehicle's engine, function, the, engine, to start;
2. particularly, true, main,, vehicle, topic, of, this, is, the, conversation, is, a, luxury, if, the performance;
3. be, to, handle, the, starter, solenoid, must ,able, enormous, current, flows;
4. vehicle's, seldom, the, starting, we, talk, about system;
5. equipped, with, it, very, important, system, that, every, is, another, vehicle, is.

## **Вариант 10.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Brake system**

Brakes are used to slow or stop the car where it is necessary. It is one of the most important mechanisms of the car as upon its proper performance the safety of passengers depends. Car brakes can be divided into two types, namely: drum brakes and disc brakes. The drum type may be either a band brake or a shoe brake. Depending on their functions, the automobile has foot brakes and hand brakes (parking brakes). According to their mode of operation, the brakes are classified as: mechanical brakes, hydraulic brakes, airbrakes, electric brakes. Brakes are controlled by the brake pedal.

Most braking systems in use today are hydraulic. This system consists of a master cylinder mounted on the car frame and wheel cylinders. When the driver pushes down on the brake pedal, it forces the piston to move in the master cylinder and brake fluid is delivered from it to the wheel cylinders. The piston movement causes brake shoes to move and the brakes are applied (the brake shoes are pressed against the brake drums).

The air brake uses compressed air to apply the braking force to the brake shoes.

Electric brakes use electromagnets to provide the braking effort against the brake shoes.

Formerly brakes were applied only to the two rear wheels, but now all cars are equipped with all-wheels brakes. Today many improvements are being made in brakes.

### **2. Ответьте на вопросы по тексту.**

1. What types are brakes divided into?
2. What is the function of the brakes?
3. What braking systems are used today?
4. By what are brakes controlled?
5. When are brakes applied?

### **3. Исправьте ошибки в следующих предложениях. Запишите составленные предложения, переведите их на русский язык.**

1. Most modern cars are use aluminum radiators.
2. The coolant flows through much tubes.
3. The amount of heat depends on different in temperature.
4. Radiators usually have a tank on every side.
5. The transmission cooler likes a radiator within a radiator.



**4. Выберите нужную форму слова. Запишите составленные предложения, переведите их на русский язык.**

1. This car is (*long, longer, length*) than that one.
2. Its (*weigh, weight, width*) is more than 50 kilograms.
3. This ladder is as (*high, height, higher*) as that one.
4. The pool is very (*depth, deeper, deep*).
5. It's a very thick wall. Its (*thick, thicker, thickness*) is 38 cm.

**5. Прочтите текст, заполните пропуски подходящими по смыслу словами. Запишите слова в правильной последовательности, переведите их на русский язык.**

*down four-stroke stroke opens piston spark plug  
power mixture exhaust moves up*

The gasoline engine operates on a ... most cars.

On the intake stroke, the piston moves ... the cylinder and draws in a fuel-air mixture as the intake valve ... . The valve then closes, and the ... moves back up the cylinder on the compression ... , squeezing the fuel-air ... . At the top of the stroke, the ... ignites the compressed mixture. The burning causes the gases to expand, forcing the piston down in the ... stroke. On the exhaust stroke, the piston ... again and pushes the burned gases out the open ... valve. The exhaust valve then closes, the intake valve opens, and the cycle starts again.

**6. Вставьте необходимые предлоги.**

1. Specialists ... automobile industry should develop up-to-date methods... designing cars.
2. There is a separate circuit ... the heating system.
3. The relatively light weight ... the vehicle makes it an economical choice.
4. Expensive cars are usually driven ... chauffeurs.
5. All cars undergo a rigid quality control... tests.

**7. Задайте вопросы всех типов к следующему предложению.**

Most automobiles have a single tank located in the rear of the vehicle.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. in-turn, brake, pads, the, piston, squeezes, two, against, the disk, rotor;
2. the, the, master, forced, fluid, from, into, a, caliper, cylinder, is;
3. brake, are, pads, components, of, the, disc, brakes, and, rotor;
4. the, forced, wheel, cylinder, into, the, fluid, is;
5. process, this, a, bicycle, similar, is, to, brake.

## **Вариант 11.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Engine**

All motor vehicles have engines. There are two types of engines: petrol engines and diesel engines. The parts of an engine vary depending on the engine's type. There are spark plugs in all petrol engines. Diesel engines do not have spark plugs. They have fuel injectors. There are valves in 4-stroke diesel engines. A 2-stroke petrol engine never has valves. There is no oil sump in a 2-stroke engine. There is oil in the fuel. A 4-stroke engine has an oil sump. There is no oil in the fuel.

For a four-stroke engine, key parts of the engine include the crankshaft, one or more camshafts and valves. For a two-stroke engine, there may simply be an exhaust outlet and fuel inlet instead of a valve system. In both types of engines, there are one or more cylinders and for each cylinder there is a spark plug, a piston and a crank. A single sweep of the cylinder by the piston in an upward or downward motion is known as a stroke and the downward stroke that occurs directly after the air-fuel mix in the cylinder is ignited (сгораёт) is known as a power stroke.

### **2. Ответьте на вопросы по тексту.**

1. What types of engines are there?
2. Are there spark plugs in all engines?
3. What do diesel engines have?
4. What parts does the petrol engine include?
5. What stroke is known as a power stroke?

### **3. Вставьте подходящие производные слова в скобках.**

1. A 6-cylinder engine is more ... (response).
2. The heavier vehicles are used for towing substantial ... (weigh).
3. 6-cylinder engines are ... than 4-cylinder engines. (power).
4. There is a great ... between 4- and 8-cylinder engines. (differ).
5. A series of ... causes fuel to be converted into forward motion. (move)

### **4. Выберите правильную форму глагола.**

1. This mechanism uses/is used in the engine.
2. Power is produces/ is produced by the engine.
3. Fuel is burning/is burnt in the engine to produce power.
4. Fuel and air is mixed/ are mixed in the carburetor.
5. This fuel is used/ use in all types of engines.

**5. Напишите верное или неверное утверждение (True or False).**

1. A carburetor is a part of the engine.
2. The fuel flows into the venturi because of the low pressure of the air.
3. The air is mixed with the fuel in the venturi.
4. The air-fuel mixture is taken into the cylinder combustion chamber and ignited there.
5. Power is produced by the engine.

**6. Вставьте необходимые предлоги.**

1. The lubrication system delivers oil ... the moving parts of the engine.
2. As the oil circulates ... passages ... the engine, it spreads a film (пленка) ... the parts.
3. Oil is stored ... a pan under the engine.
4. A pump circulates oil ... the pan through a filter and then through lines ... the engine.
5. The filter prevents impurities ... entering the engine.

**7. Задайте вопросы к подчеркнутым словам.**

1. Some cars have the engine in the rear or the middle of the car.
2. The engine block houses the engine's internal parts.
3. The number of cylinders depends on the make of the car.
4. In a in-line engine the cylinders are arranged in a straight line.
5. A V-type engine with 6 cylinders is called a V-6.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. pump the fuel is the carburettor to connected;
2. in air the carburettor the is mixed fuel with;
3. fuel it is to have the ratio of air right to important;
4. carburettor and they the fuel are compressed piston in the are drawn into the engine and the air by the;
5. the fuel they produce and air are burnt and power in the engine.

## **Вариант 12.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Fuel system**

The function of the fuel system is to store and supply fuel to the cylinder chamber where it can be mixed with air, vaporized, and burned to produce energy. The fuel, which can be either gasoline or diesel is stored in a fuel tank. A fuel pump draws the fuel from the tank through fuel lines and delivers it through a fuel filter to either a carburetor or fuel injector, then to the cylinder chamber for combustion.

Tank location and design are always a compromise with available space. Most automobiles have a single tank located in the rear of the vehicle. All tanks have a fuel filler pipe, a fuel outlet line to the engine and a vent system. All fuel tanks must be vented.

Steel lines and flexible hoses carry the fuel from the tank to the engine. Two types of fuel pumps are used in automobiles: mechanical and electric. All fuel injected cars today use electric fuel pumps, while most cars with carburetors use mechanical fuel pumps.

The fuel filter is the key to a properly functioning fuel delivery system. This is more true with fuel injection than with cars with carburetors. Fuel injectors are more susceptible to damage from dirt because of their close tolerances, but also fuel injected cars use electric fuel pumps. When the filter clogs, the electric fuel pump works so hard to push past the filter that it burns itself up. Most cars use two filters. One inside the gas tank and one in a line to the fuel injectors or carburetor.

### **2. Дополните предложения.**

1. The function of the fuel system is ... .
2. The fuel is stored in ... .
3. All tanks have ... .
4. Two types of fuel pumps are used in automobiles ... .
5. All fuel injected cars ... .

### **3. Исправьте ошибки в следующих предложениях.**

1. The fuel pump deliver fuel to a fuel injector.
2. The function of the filter is to cleaning the fuel.
3. All tanks has a vent system.

4. The most cars use mechanical fuel pumps.
5. If the filter will clog, the pump will burn itself up.

**4. Выберите правильную форму глагола.**

1. Fuel and air compressed/ are compressed by the piston.
2. The body of the car is supported/ supports on the frame.
3. Fuel is burning/is burnt in the engine to produce power.
4. Fuel and air is mixed/ are mixed in the carburetor.
5. This fuel is used/ use in all types of engines.

**5. Напишите верное или неверное утверждение (True or False).**

1. Vehicles are driven by an internal combustion engine.
2. Brakes are actuated by physically pumping the wheels.
3. Fast-reacting, intelligent systems that increase the possibility of automatic vehicle control are under development now.
4. In vehicles with intelligent systems the steering and brake devices are connected to a sensor that changes their position.
5. A vehicle with intelligent systems is a major advantage when we want to modify cars for the physically challenged.

**6. Вставьте необходимые предлоги.**

1. The pump sends the fluid ... the engine.
2. The liquid goes ... passages in the engine ... the cylinders.
3. There is a separate circuit ... the heating system.
4. A separate circuit for cooling the transmission is built ... the radiator.
5. The oil is pumped ... the transmission ... a heat exchanger.

**7. Задайте вопросы всех типов к следующему предложению.**

Dirty particles can block the carburetor.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. the carburetor, the function of, petrol, is, to break up, fine particles, into;
2. should be, clean, to be delivered, the petrol, to the carburetor;
3. to be performed, very important, the functions, are, by this device;
4. is, the new fuel system, in this car, completely, of a new design, to be employed;
5. the hydrometer, is, the condition, of the battery, the function of, to check.

## **Вариант 13.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Starting system**

The vehicle's starting system is composed basically of two components: the electric starter motor (or starter) and the starter solenoid. As you turn the ignition key to the start position, the starter solenoid gets activated, which in turn energizes the starter motor. The starter motor would then spin the engine a few revolutions, allowing the combustion process to begin and the vehicle to start moving.

The main function of the vehicle's engine starting system is to induce the engine to start moving. But starting a cold engine requires a large amount of power and a large amount of electricity. In order for the starter motor to induce the engine to start spinning, it must overcome all the internal friction caused by the piston rings, the compression pressure in the engine cylinders, the energy needed to open and close the valves with the camshaft, and the power needed to start all the other components attached to the engine, like the water pump, oil pump and others. And because such power can only be brought by a large amount of electricity, the starter solenoid must be able to handle enormous current flows.

High performance vehicles are equipped with high quality and high performance engine starting system components that makes starting a cold engine smooth and easy. Eventually, though, these components may start to wear down with use and age. If this happens, you really would have to replace your starter motor and starter solenoid.

### **2. Ответьте на вопросы по тексту.**

1. What components is the vehicle's starting system composed of?
2. What is the main function of the vehicle's engine starting system?
3. Why does starting a cold engine require much power?
4. Why are high performance vehicles equipped with high quality engine starting system components?
5. When you have to replace starter motor and starter solenoid?

### **3. Исправьте ошибки в следующих предложениях.**

1. An automotive battery supplies electric energy to the automobile.
2. Batteries intended for starting have a relative low degree of discharge.

3. In automotive batteries six galvanic elements connected in series.
4. Each cell provide 2.1 volts at full charge.
5. The grounding is provided by connected the body of the car to the battery.

**4. Запишите предложения в страдательном залоге. Переведите их на русский язык.**

1. The carburetor performs this function.
2. The carburetor measures exact quantities of petrol.
3. The carburetor breaks up petrol into the fine particles.
4. The mixture burns rapidly.
5. The filter cleans the air.

**5. Напишите верное или неверное утверждение (True or False).**

1. A differential is a device for supplying equal torque to the front wheels.
2. When changing direction the inner wheel needs to travel farther than the outer wheel.
3. If one wheel is spinning on ice while the other is still in contact with the pavement, acceleration of the driveshaft will only cause the slipping wheel to spin faster and very little power will reach the wheel with good traction.
4. A four-wheel-drive vehicle will have at least one differential.
5. In an automobile, if one wheel begins to slip while the other maintains traction, the slipping wheel will receive most of the power.

**6. Вставьте подходящие по смыслу предлоги.**

1. A fuel pump draws the fuel ... the tank ... fuel lines ... a carburetor.
2. Fuel tanks are usually located ... the rear ... the vehicle.
3. The fuel system supplies fuel ... the cylinder chamber where it is mixed ... air.
4. Tank location is a compromise ... available space.
5. The function ... the filter is to clean the fuel.

**7. Задайте вопросы всех типов к следующему предложению.**

The vehicle's starting system is composed basically of two components: the electric starter motor (or starter) and the starter solenoid.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. exhaust emissions from pollutants dangerous car are some of the most environmental;
2. concerned about we should be the environment all;
3. work how does a generator for cars hydrogen?
4. cars hydrogen car's emissions will help reduce the;
5. from to actually need hydrogen use as a fuel, we to convert it plain water.

## **Вариант 14.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Preventive maintenance**

Preventive maintenance is important to keep your car safe. With proper care your car will last longer and some of the possible problems can be avoided. Well-maintained car is not only safer, it's also more economical and produces less pollutions. If the car is well-maintained, you can expect higher price when you decide to sell it.

Regular oil changes are very important to keep your engine in a good shape. Wash your car regularly, wax it once in a while to keep the car body shiny and free from corrosion. Take care of any minor concerns as soon as you can, so it won't cause serious problems and an expensive repair later.

Avoid overheating the engine.

Changing spark plugs, air filter, timing belt and other items according to maintenance schedule may save you from costly repairs.

Use only original parts.

### **2. Ответьте на вопросы.**

1. Preventive maintenance is important to keep the car safe, isn't it?
2. Why should we take care of any minor concerns as soon as possible?
3. What a driver or a car mechanic should do to keep the engine in a good shape?
4. Do we need to undertake anything if the fuel filter is dirty?
5. What fault device can cause loss of engine power and increased fuel consumption?

### **3. Исправьте ошибки в следующих предложениях.**

1. – What is it?  
– This is drum brakes.
2. – Are the master cylinder full of brake liquid?  
– Yes, its is.
3. This disk brake are new.
4. These are a pair of brake pads.
5. Is these a box of nuts?



**4. Выбери подходящее по смыслу слово.**

1. The ... belongs to the brake system.  
a) shaft b) bonnet c) coolant d) caliper
2. The ... belongs to the cooling system.  
a) shaft b) wheel c) windshield d) coolant
3. The master cylinder consists of a ... and a fluid reservoir.  
a) crankshaft b) piston c) drum d) pad
4. The pedal is a strong steel ... which transmits the force from your foot to the master cylinder.  
a) wheel b) lever c) disk d) pad
5. If you rotate the key in the ignition clockwise:  
a) the car goes fast b) the engine switches on c) the lights go on

**5. Расположите предложения в логической последовательности.**

**Проконсультируйте клиента о том, как долить моторное масло.**

1. Wait for a minute to let the oil pour down. 2. Add a little amount of the oil. 3. It would be better to add the same type and brand of the engine oil as you already have in the engine. 4. Don't forget to install the dipstick back and close the oil filler cap when you finish. 5. Check the oil level again with the dipstick. 6. If it's still low, add some more. But don't overfill it.

**6. Вставьте подходящие по смыслу предлоги.**

1. Replace the plug ... the socket (гнездо).
2. Remove the plug ... the socket.
3. Insert the gauge ... the gap.
4. Place the spanner ... the spark plug.
5. Sand and road salt improve the exterior paint ... the car.

**7. Задайте вопросы всех типов к следующему предложению.**

If your car doesn't work in the morning, you should check three things first: the battery, the fuel level and the spark plug .

**8. Составьте предложения, поставив слова в правильном порядке.**

1. in/ seldom/ they/ tennis/ winter/ play.
2. time/ he/ on/ always/ his/ come/ to/ does/ classes?
3. bed/ does/ time/ to/ go/ what/ he/ usually?
4. Minsk/ it/ how/ to/ far/ Brest/ from/ is?
5. have/ been/ they/ words/ learning/ new/ morning/ since.

## **Вариант 15.**

### **1. Прочитайте текст, заполните пропуски данными словами:**

*Wax, remove, lubricate, mechanism, repair, lubricant, wash, corrosion.*

Winter is harsh on your car's body: moisture, sand and road salt damage the exterior paint and speed up the corrosion process. If road salt is common on the roads in your area during the winter, consider rust proofing. It's a good idea to ... your car before winter – wax will help to preserve the paint. Scratches are more likely to be corroded after winter, so ... any damages to your car's paint before winter.

... the leaves and other debris are accumulated during the fall under the cowl panel (панель капота), below the windshield and in other areas. The leaves block water drains and collect moisture. This will cause ... and extra humidity inside the car, as the air intake for the cabin heater is usually located under the cowl panel.

... your car more often during winter. Moisture, salt and dirt get accumulated inside the wheel wells (ниши колёс), under the doors and other areas, which can cause corrosion.

Lubricate the door and the trunk locks (замки багажника), as well as the hood locking ... so they won't freeze. It's also a good idea to ... the doors. Clean and lubricate the door rails if your vehicle has sliding doors.

To prevent rubber door seals (изоляция) from sticking (заедания) in text freezing weather lubricate them with special ... for rubber door seals. Usually it's called 'weather strip lubricant' (смазка уплотнителя).

### **2. Переведите дополненный текст из упражнения 1 на русский язык.**

### **3. Исправьте следующие предложения с единственного числа на множественное и наоборот. Запишите исправленные предложения.**

1. This is a pedal.
2. These are brake shoes.
3. I've got new brake pads.
4. There is a master cylinder in the car.
5. Is this a disk rotor?

### **4. Выбери подходящее по смыслу слово.**

1. The pedal is a strong steel ... which transmits the force from your foot to

the master cylinder.

- a) wheel b) lever c) disk
- 2. The master cylinder consists of a .... and a fluid reservoir.
  - a) crankshaft b) piston c) drum
- 3. Most cars have disc ... on the front wheels.
  - a) brakes b) pads c) cylinders
- 4. When disc brakes are not used on the rear, ... are used.
  - a) brake pads b) drum brakes c) brake lines
- 5. The brake fluid being pushed from the master cylinder through the brake lines pushes a piston in the brake ... .
  - a) caliper b) rotor c) master cylinder

**5. Напишите верное или неверное утверждение (True or False).**

- 1. Sand and road salt improve the exterior paint of the car.
- 2. Moisture speeds up the corrosion process.
- 3. Scratches are less likely to be corroded after winter.
- 4. Wax will help to preserve the paint of the car.
- 5. If you lubricate the door and trunk, they won't freeze.

**6. Вставьте подходящие по смыслу предлоги.**

- 1. Add a small amount ... the fluid through the dipstick pipe.
- 2. Do not overfill, it also may cause problems ... your transmission.
- 3. Wait ... a few minutes – let the fluid flow down.
- 4. Check the oil level again ... the dipstick.
- 5. Sand and road salt improve the exterior paint of the car.

**7. Задайте вопросы всех типов к следующему предложению.**

The steering system normally controls the angle of the front wheels turn.

**8. Составьте предложения, поставив слова в правильном порядке.**

- 1. a mechanic car in specializes repair automobile;
- 2. should be in mechanics working on all knowledgeable parts of cars;
- 3. parts this of job involve some the replacement;
- 4. past need nowadays to have more than mechanics knowledge in the;
- 5. to most provide computers dealerships diagnostic each technician.

## **Вариант 16.**

### **1. Прочитайте текст, письменно его переведите.**

#### **Different types of engines**

There are two types of engines: petrol engines and diesel engines. The parts of an engine vary depending on the engine's type. There are spark plugs in all petrol engines. Diesel engines do not have spark plugs. They have fuel injectors. There are valves in 4-stroke diesel engines. A 2-stroke petrol engine never has valves. There is no oil sump in a 2-stroke engine. There is oil in the fuel. A 4-stroke engine has an oil sump. There is no oil in the fuel.

For a four-stroke engine, key parts of the engine include the crankshaft, one or more camshafts and valves. For a two-stroke engine, there may simply be an exhaust outlet and fuel inlet instead of a valve system. In both types of engines, there are one or more cylinders and for each cylinder there is a spark plug, a piston and a crank. A single sweep of the cylinder by the piston in an upward or downward motion is known as a stroke and the downward stroke that occurs directly after the air-fuel mix in the cylinder is ignited (срабатывает) is known as a power stroke.

### **2. Ответьте на вопросы по тексту.**

1. What types of engines are there?
2. Are there spark plugs in all engines?
3. What do diesel engines have?
4. What parts does the petrol engine include?
5. What stroke is known as a power stroke?

### **3. Исправьте ошибки в следующих предложениях.**

1. The fuel pump deliver fuel to a fuel injector.
2. The function of the filter is to cleaning the fuel.
3. All tanks has a vent system.
4. The most cars use mechanical fuel pumps.
5. If the filter will clog, the pump will burn itself up.

**4. Запишите предложения в страдательном залоге. Переведите их на русский язык.**

1. The carburetor performs this function.
2. The carburetor measures exact quantities of petrol.
3. The carburetor breaks up petrol into the fine particles.
4. The mixture burns rapidly.
5. The filter cleans the air.

**5. Расположите предложения в логической последовательности. Проконсультируйте клиента о том, как долить моторное масло.**

1. Wait for a minute to let the oil pour down. 2. Add a little amount of the oil. 3. It would be better to add the same type and brand of the engine oil as you already have in the engine. 4. Don't forget to install the dipstick back and close the oil filler cap when you finish. 5. Check the oil level again with the dipstick. 6. If it's still low, add some more. But don't overfill it.

**6. Вставьте подходящие по смыслу предлоги.**

1. Add a small amount ... the fluid through the dipstick pipe.
2. Do not overfill, it also may cause problems ... your transmission.
3. Wait ... a few minutes – let the fluid flow down.
4. Check the oil level again ... the dipstick.
5. Sand and road salt improve the exterior paint of the car.

**7. Задайте вопросы к подчеркнутым словам.**

1. Some cars have the engine in the rear or the middle of the car.
2. The engine block houses the engine's internal parts.
3. The number of cylinders depends on the make of the car.
4. In a in-line engine the cylinders are arranged in a straight line.
5. A V-type engine with 6 cylinders is called a V-6.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. the carburetor, the function of, petrol, is, to break up, fine particles, into;
2. should be, clean, to be delivered, the petrol, to the carburetor;
3. to be performed, very important, the functions, are, by this device;
4. is, the new fuel system, in this car, completely, of a new design, to be employed;
5. the hydrometer, is, the condition, of the battery, the function of, to check.

## **Вариант 17.**

### **1. Прочитайте текст, письменно его переведите.**

#### **One of the engine systems**

The fuel, which can be either gasoline or diesel is stored in a fuel tank. A fuel pump draws the fuel from the tank through fuel lines and delivers it through a fuel filter to either a carburetor or fuel injector, then to the cylinder chamber for combustion. The function of the fuel system is to store and supply fuel to the cylinder chamber where it can be mixed with air, vaporized, and burned to produce energy.

Most automobiles have a single tank located in the rear of the vehicle. Tank location and design are always a compromise with available space. All tanks have a fuel filler pipe, a fuel outlet line to the engine and a vent system. All fuel tanks must be vented.

Two types of fuel pumps are used in automobiles: mechanical and electric. Steel lines and flexible hoses carry the fuel from the tank to the engine. All fuel injected cars today use electric fuel pumps, while most cars with carburetors use mechanical fuel pumps.

The fuel filter is the key to a properly functioning fuel delivery system. This is more true with fuel injection than with cars with carburetors. Fuel injectors are more susceptible to damage from dirt because of their close tolerances, but also fuel injected cars use electric fuel pumps. When the filter clogs, the electric fuel pump works so hard to push past the filter, that it burns itself up. Most cars use two filters. One inside the gas tank and one in a line to the fuel injectors or carburetor.

### **2. Дополните предложения.**

1. The fuel is stored in ... .
2. The function of the fuel system is ... .
3. All tanks have ... .
4. Two types of fuel pumps are used in automobiles ... .
5. All fuel injected cars ... .

### **3. Исправьте ошибки в следующих предложениях.**

1. An automotive battery supplies electric energy to the automobile.
2. Batteries intended for starting have a relative low degree of discharge.
3. In automotive batteries six galvanic elements connected in series.
4. Each cell provide 2.1 volts at full charge.
5. The grounding is provided by connected the body of the car to the battery.

**4. Выбери подходящее по смыслу слово.**

1. The ... belongs to the cooling system.  
a) shaft b) wheel c) windshield d) coolant
2. The master cylinder consists of a ... and a fluid reservoir.  
a) crankshaft b) piston c) drum d) pad
3. The pedal is a strong steel ... which transmits the force from your foot to the master cylinder.  
a) wheel b) lever c) disk d) pad
4. The ... belongs to the brake system.  
a) shaft b) bonnet c) coolant d) caliper
5. If you rotate the key in the ignition clockwise:  
a) the car goes fast b) the engine switches on c) the lights go on

**5. Напишите верное или неверное утверждение (True or False).**

1. Sand and road salt improve the exterior paint of the car.
2. Moisture speeds up the corrosion process.
3. Scratches are less likely to be corroded after winter.
4. Wax will help to preserve the paint of the car.
5. If you lubricate the door and trunk, they won't freeze.

**6. Вставьте необходимые предлоги.**

1. A pump circulates oil ... the pan through a filter and then through lines ... the engine.
2. The lubrication system delivers oil ... the moving parts of the engine.
3. As the oil circulates ... passages ... the engine, it spreads a film (пленка) ... the parts.
4. Oil is stored ... a pan under the engine.
5. The filter prevents impurities ... entering the engine.

**7. Задайте вопросы всех типов к следующему предложению.**

Dirty particles can block the carburetor.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. emissions from pollutants dangerous car are some of the most environmental exhaust;

2. concerned about we should be the environment all;
3. how does a generator for cars hydrogen work?
4. cars hydrogen car's emissions will help reduce the;
5. to actually need hydrogen from use as a fuel, we to convert it plain water.

## **Вариант 18.**

### **1. Прочитайте текст, письменно его переведите.**

#### **The vehicle's starting system**

The starting system is composed basically of two components: the electric starter motor (or starter) and the starter solenoid. As you turn the ignition key to the start position, the starter solenoid gets activated, which in turn energizes the starter motor. The starter motor would then spin the engine a few revolutions, allowing the combustion process to begin and the vehicle to start moving.

The function of the vehicle's engine starting system is to induce the engine to start moving. But starting a cold engine requires a large amount of power and a large amount of electricity. In order for the starter motor to induce the engine to start spinning, it must overcome all the internal friction caused by the piston rings, the compression pressure in the engine cylinders, the energy needed to open and close the valves with the camshaft, and the power needed to start all the other components attached to the engine, like the water pump, oil pump and others. And because such power can only be brought by a large amount of electricity, the starter solenoid must be able to handle enormous current flows.

High performance vehicles are equipped with high quality and high performance engine starting system components that makes starting a cold engine smooth and easy. Eventually, though, these components may start to wear down with use and age. If this happens, you really would have to replace your starter motor and starter solenoid.

### **2. Ответьте на вопросы по тексту.**

1. What is the main function of the vehicle's engine starting system?
2. What components is the vehicle's starting system composed of?
3. Why does starting a cold engine require much power?
4. Why are high performance vehicles equipped with high quality engine starting system components?
5. When you have to replace starter motor and starter solenoid?



**3. Исправьте ошибки в следующих предложениях.**

1. – What is it?  
– This is drum brakes.
2. – Are the master cylinder full of brake liquid?  
– Yes, its is.
3. This disk brake are new.
4. These are a pair of brake pads.
5. Is these a box of nuts?

**4. Выбери подходящее по смыслу слово.**

1. The brake fluid being pushed from the master cylinder through the brake lines pushes a piston in the brake ...  
a) caliper b) rotor c) master cylinder
2. The master cylinder consists of a .... and a fluid reservoir.  
a) crankshaft b) piston c) drum
3. Most cars have disc ... on the front wheels.  
a) brakes b) pads c) cylinders
4. When disc brakes are not used on the rear, ... are used.  
a) brake pads b) drum brakes c) brake lines
5. The pedal is a strong steel ... which transmits the force from your foot to the master cylinder.  
a) wheel b) lever c) disk

**5. Напишите верное или неверное утверждение (True or False).**

1. A carburetor is a part of the engine.
2. The fuel flows into the venturi because of the low pressure of the air.
3. The air is mixed with the fuel in the venturi.
4. The air-fuel mixture is taken into the cylinder combustion chamber and ignited there.
5. Power is produced by the engine.

**6. Вставьте необходимые предлоги.**

1. There is a separate circuit ... the heating system.
2. The pump sends the fluid ... the engine.
3. The liquid goes ... passages in the engine ... the cylinders.
4. A separate circuit for cooling the transmission is built ... the radiator.
5. The oil is pumped ... the transmission ... a heat exchanger.

**7. Задайте вопросы всех типов к следующему предложению.**

The vehicle's starting system consists basically of two components: the electric starter motor and the starter solenoid.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. have/ been/ they/ words/ learning/ new/ morning/ since.
2. Minsk/ it/ how/ to/ far/ Brest/ from/ is?
3. time/ he/ on/ always/ his/ come/ to/ does/ classes?
4. bed/ does/ time/ to/ go/ what/ he/ usually?
5. in/ seldom/ they/ tennis/ winter/ play.

**Вариант 19.**

**1. Прочитайте текст, письменно его переведите.**

**Car maintenance**

Car maintenance is important to keep your car safe. Well-maintained car is not only safer, it's also more economical and produces less pollutions. With proper care your car will last longer and some of the possible problems can be avoided. If the car is well-maintained, you can expect higher price when you decide to sell it. Regular oil changes are very important to keep your engine in a good shape.

Wash your car regularly, wax it once in a while to keep the car body shiny and free from corrosion.

Take care of any minor concerns as soon as you can, so it won't cause serious problems and an expensive repair later. Avoid overheating the engine.

Changing spark plugs, air filter, timing belt and other items according to maintenance schedule may save you from costly repairs.

Use only original parts.

**2. Ответьте на вопросы.**

1. Preventive maintenance is important to keep the car safe, isn't it?
2. Why should we take care of any minor concerns as soon as possible?
3. What a driver or a car mechanic should do to keep the engine in a good shape?
4. Do we need to undertake anything if the fuel filter is dirty?
5. What fault device can cause loss of engine power and increased fuel consumption?

**3. Исправьте следующие предложения с единственного числа на множественное и наоборот. Запишите исправленные предложения.**

1. This is a pedal.

2. These are brake shoes.
3. I've got new brake pads.
4. There is a master cylinder in the car.
5. Is this a disk rotor?

**4. Выберите правильную форму глагола.**

1. This mechanism uses/is used in the engine.
2. Power is produces/ is produced by the engine.
3. Fuel is burning/is burnt in the engine to produce power.
4. Fuel and air is mixed/ are mixed in the carburetor.
5. This fuel is used/ use in all types of engines.

**5. Напишите верное или неверное утверждение (True or False).**

1. Vehicles are driven by an internal combustion engine.
2. Brakes are actuated by physically pumping the wheels.
3. Fast-reacting, intelligent systems that increase the possibility of automatic vehicle control are under development now.
4. In vehicles with intelligent systems the steering and brake devices are connected to a sensor that changes their position.
5. A vehicle with intelligent systems is a major advantage when we want to modify cars for the physically challenged.

**6. Вставьте подходящие по смыслу предлоги.**

1. Tank location is a compromise ... available space.
2. The function ... the filter is to clean the fuel.
3. A fuel pump draws the fuel ... the tank ... fuel lines ... a carburetor.
4. Fuel tanks are usually located ... the rear ... the vehicle.
5. The fuel system supplies fuel ... the cylinder chamber where it is mixed ... air.

**7. Задайте вопросы всех типов к следующему предложению.**

You should check three things first if your car doesn't work in the morning: the battery, the fuel level and the spark plug .

**8. Составьте предложения, поставив слова в правильном порядке.**

1. should be in mechanics working on all knowledgeable parts of cars;
2. a mechanic car in specializes repair automobile;
3. parts this of job involve some the replacement;
4. to most provide computers dealerships diagnostic each technician;

5. past need nowadays to have more than mechanics knowledge in the.

## **Вариант 20.**

### **1. Прочитайте текст, заполните пропуски данными словами:**

*Level, replace, plugs, adjust, forwards, faults, start, fill, clean, recharge, broken, repaired, replaced.*

If your car doesn't ... in the morning, you should check three things first: the battery, the fuel ... and the spark ... . It is easy to repair these ... . If the battery is flat, you should ... it. If this doesn't work, you should ... it. If the petrol tank is empty, ... it up. If the spark plugs are dirty, ... them, and if the gap in a spark plug is too narrow or too wide, ... it to the correct width.

If your car doesn't start, the petrol pump may be ..., or the fuel pipe may be blocked. If the pump is broken, it must be ... or replaced. If the fuel pipe is blocked, take it off and unblock it.

If there is a loud CLICK! When you turn the key, the starter motor may be jammed. If it is, you can try to release it by pushing the car ... and back-wards (in 2nd gear). If the car still doesn't start, the starter motor should be repaired or ... .

### **2. Переведите дополненный текст из упражнения 1 на русский язык.**

### **3. Вставьте подходящие производные слова в скобках.**

1. A 6-cylinder engine is more ... (response).
2. The heavier vehicles are used for towing substantial ... (weigh).
3. 6-cylinder engines are ... than 4-cylinder engines. (power).
4. There is a great ... between 4- and 8-cylinder engines. (differ).
5. A series of ... causes fuel to be converted into forward motion. (move)

### **4. Запишите предложения в страдательном залоге. Переведите их на русский язык.**

1. The carburetor performs this function.
2. The carburetor measures exact quantities of petrol.
3. The carburetor breaks up petrol into the fine particles.
4. The mixture burns rapidly.
5. The filter cleans the air.

### **5. Напишите верное или неверное утверждение (True or False).**

1. When changing direction the inner wheel needs to travel farther than the outer wheel.
2. A differential is a device for supplying equal torque to the front wheels.
3. If one wheel is spinning on ice while the other is still in contact with the pavement, acceleration of the driveshaft will only cause the slipping wheel to spin faster and very little power will reach the wheel with good traction.
4. In an automobile, if one wheel begins to slip while the other maintains traction, the slipping wheel will receive most of the power.
5. A four-wheel-drive vehicle will have at least one differential.

**6. Вставьте подходящие по смыслу предлоги.**

1. 2. Remove the plug ... the socket.
2. Insert the gauge ... the gap.
3. Place the spanner ... the spark plug.
4. Sand and road salt improve the exterior paint ... the car.
5. Replace the plug ... the socket.

**7. Задайте вопросы всех типов к следующему предложению.**

In big cities drivers have problems with parking, especially in the center.

**8. Составьте предложения, поставив слова в правильном порядке.**

1. the carburetor the function of petrol is to break up fine particles into;
2. should be clean to be delivered the petrol to the carburetor;
3. how does a generator for cars hydrogen work?
4. cars hydrogen car's emissions will help reduce the;
5. past need nowadays to have more than mechanics knowledge in the.