



**МИНИСТЕРСТВО ОБРАЗОВАНИЯ  
РЕСПУБЛИКИ БЕЛАРУСЬ**

**Белорусский национальный  
технический университет**

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**Кафедра «Английский язык № 1»**

**А. О. Боярская  
С. А. Хоменко  
Н. Ф. Ладутько**

# **ENGLISH GRAMMAR PRACTICE FOR AUTOMOTIVE STUDENTS**

**Практикум**

**Минск  
БНТУ  
2016**

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# ENGLISH GRAMMAR PRACTICE FOR AUTOMOTIVE STUDENTS

Практикум по грамматике английского языка  
для студентов специальностей 1-37 01 02 «Автомобилестроение»,  
1-37 01 01 «Двигатели внутреннего сгорания»  
и 1-44 01 01 «Организация перевозок и управление  
на автомобильном и городском транспорте»  
и магистрантов АТФ

*Рекомендовано учебно-методическим объединением по образованию  
в области транспорта и транспортной деятельности*

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Б86 English Grammar Practice for Automotive Students : практикум по грамматике английского языка для студентов специальностей 1-37 01 02 «Автомобилестроение», 1-37 01 01 «Двигатели внутреннего сгорания» и 1-44 01 01 «Организация перевозок и управление на автомобильном и городском транспорте» и магистрантов АТФ / А. О. Боярская, С. А. Хоменко, Н. Ф. Ладутько. – Минск : БНТУ, 2016. – 53 с.

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Настоящий практикум по грамматическим особенностям перевода технической литературы автомобильной и логистической тематики представляет собой систематизированный сборник упражнений для отработки таких тем грамматики английского языка, как система времен английского глагола, неличные формы, модальные глаголы и др. Каждый раздел состоит из части *A*, в которой представлены упражнения для технических специальностей, и части *B*, которая предназначена для логистических специальностей.

Лексический материал подобран из аутентичных источников, что позволяет расширить словарный запас студентов и магистрантов.

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## TO BE, TO HAVE

**1. Complete the text with the correct form of the verbs *to be* or *to have*.**

### A

A hybrid car <sup>1</sup> \_\_\_ a car that runs on both petrol and electricity. It <sup>2</sup> \_\_\_ a standard petrol engine, a battery and electric motor to provide electric power. There <sup>3</sup> \_\_\_ some differences between different models of hybrid cars, but the general principle <sup>4</sup> \_\_\_ that the car runs on petrol, and the electric motor becomes activated when additional power <sup>5</sup> \_\_\_ required. Conventional cars <sup>6</sup> \_\_\_ large engines to cope with driving uphill and accelerating. Hybrid cars <sup>7</sup> \_\_\_ much smaller petrol engines, boosted by electric motors when it <sup>8</sup> \_\_\_ necessary. Hybrid cars <sup>9</sup> \_\_\_ also lighter and aerodynamically designed for greater fuel efficiency.

### B

Nowadays many young people <sup>1</sup> \_\_\_ interested in business logistics. Logistics <sup>2</sup> \_\_\_ the planning and support of operations such as warehousing, inventory, transportation, etc. All modes of transportation <sup>3</sup> \_\_\_ different costs, service and transit times. Road transportation <sup>4</sup> \_\_\_ one of the most basic means of transportation. Today, the European Union <sup>5</sup> \_\_\_ almost one vehicle for every two residents. There <sup>6</sup> \_\_\_ many different types of vehicles, although trucks <sup>7</sup> \_\_\_ typically used for carrying or delivering freight. Road transportation offers a relatively lower cost and <sup>8</sup> \_\_\_ a flexible route. Road transport <sup>9</sup> \_\_\_ most often used for comparatively inexpensive, non-perishable items or for shorter distances.

**2. Translate the sentences, define the functions of *to be* and *to have*.**

### A

1. Electric vehicles may be the future but hybrids are ideal for developing motors, batteries and electronics now. 2. The news that GM and Ford are again collaborating in the transmission-

engineering arena is important. 3. Most modern cars have a fully independent front suspension. 4. Methanol has been used for years in race cars and will probably become more widely used in passenger cars. 5. Autonomous driving features, such as systems that recognize hazards and brake on their own to avoid collisions, are already on the market. 6. In cars with manual transmission you have to change gears by pressing down the clutch with your foot and moving a lever. 7. Any unusual noises are to be taken seriously and reported to your mechanic. 8. Another means of increasing power is to spin the engine faster. 9. In almost every country passengers have to fasten their seat belts.

## B

1. How the price of public transport is determined is important and detailed studies are needed. 2. For the USA it is found that lack of transportation is the largest challenge for job seekers to obtain employment. 3. Countries have diverse social and geographic features and are at different stages of economic development with widely divergent transport systems. 4. The fast transit time that air transport provides has had an impact on global distribution. 5. The transport of frozen cargoes in refrigerated containers is a large and steadily growing business. 6. When large volumes of cargo have to be transported with a rush, chartering airplanes is an option. 7. At an international level, key figures from government, business and industry are debating the worldwide strategic importance of transport. 8. Companies that have to deal with all kinds of goods transportation are known as freight forwarders. 9. If vehicles are to travel to or through a country with which an EU member state has no agreement, permission to operate in that country has to be sought direct from its transport authority.

**3. Complete the sentences with the correct form of the verbs *to be* and *to have*. Translate the sentences.**

1. In the case of commercial vehicles, the transmissions <sup>1</sup> \_\_\_\_\_ 6–16 speeds and cover large overall gear ratios. 2. The overall ob-

jective <sup>2</sup> \_\_\_ to keep you safe, to keep you moving. 3. Like the XC90, the new S90 sedan <sup>3</sup> \_\_\_ a rear leaf spring suspension. 4. One of the most obvious manifestations of logistics activities <sup>4</sup> \_\_\_ the growth in freight transport due to the worldwide expansion of trade. 5. Many governments, including those in Asia, still <sup>5</sup> \_\_\_ a very limited understanding of logistics. 6. In many Asian countries, the development of freight transport infrastructure <sup>6</sup> \_\_\_ a key issue. 7. Identification of advanced logistics thinking <sup>7</sup> \_\_\_ important in determining best practices. 8. Co-operation among private corporations, governments and international organizations <sup>8</sup> \_\_\_ necessary for the development of efficient global logistics networks. 9. However, logistics laws and regulations <sup>9</sup> \_\_\_ quite diverse in each Asian country. 10. Drivers <sup>10</sup> \_\_\_ the main target of Intelligent Transport Systems through the provision of information and alerts. 11. Improvement of domestic transport in Asian countries <sup>11</sup> \_\_\_ an important issue for securing the reliability of freight transport associated with globalized production and logistics.

## DEGREES OF COMPARISON

### 1. Complete the passage using the proper degree of comparison.

#### A

Choosing between a petrol or a diesel engine is one of the first decisions to make when buying a new car. First of all, petrol cars are <sup>1</sup> \_\_\_ (*cheap*) to buy and petrol is <sup>2</sup> \_\_\_ (*cheap*) than diesel fuel. But diesel engines tend to be <sup>3</sup> \_\_\_ (*efficient*) and use 20% <sup>4</sup> \_\_\_ (*little*) fuel than their petrol counterparts. Hence, it results in <sup>5</sup> \_\_\_ (*low*) CO<sub>2</sub> emissions. That's why motor tax is usually <sup>6</sup> \_\_\_ (*low*). However, insurance for diesel models can be <sup>7</sup> \_\_\_ (*expensive*) as the car's value is <sup>8</sup> \_\_\_ (*high*). Diesel cars tend not only to be <sup>9</sup> \_\_\_ (*expensive*) to buy than their petrol counterparts but also cost <sup>10</sup> \_\_\_ (*much*) to maintain as the service intervals tend to be <sup>11</sup> \_\_\_ (*short*).

## B

There are numerous advantages of road transport in comparison with other modes of transport. Road transport requires much <sup>1</sup> \_\_\_ (*little*) capital investment than railways and air transport. The cost of constructing and maintaining roads is <sup>2</sup> \_\_\_ (*cheap*) than that of the railways. It is <sup>3</sup> \_\_\_ (*economic*) and <sup>4</sup> \_\_\_ (*quick*) for carrying goods and people over short distances. Besides, the process of packing in motor transport is <sup>5</sup> \_\_\_ (*simple*). Goods transported by motor transport require <sup>6</sup> \_\_\_ (*little*) packing and there is <sup>7</sup> \_\_\_ (*little*) risk of damage of the goods in transit. If the goods are to be sent immediately, motor transport is <sup>8</sup> \_\_\_ (*appropriate*) than the water transport. Water transport is <sup>9</sup> \_\_\_ (*slow*) mode of freight transport. Air transport is <sup>10</sup> \_\_\_ (*fast*) but <sup>11</sup> \_\_\_ (*expensive*) mode of transport.

**2. Translate the sentences. Mind the use of the words and phrases in bold for making comparisons.**

## A

1. Better aerodynamics, a larger combustion engine and lighter hybrid components have driven carbon emissions of the third generation of the Prius down to 89 g/km. 2. Today there are 35 per cent fewer accidents than there were ten years ago. 3. There are various innovations in the engine allowing exhaust gases to be less harmful. 4. Carburetor and fuel injection are some of the most useful discoveries in enhancing automobile performance. 5. As environmental standards become stricter and consumer demands for vehicles with greater fuel efficiency rise, automotive suppliers need to support their customers with lighter components that will help meet the pressure for lower emissions and better gas mileage. 6. At present a hybrid electric vehicle is able to operate nearly **twice as efficiently as** traditional internal combustion vehicles. 7. In its liquid state, natural gas is **more than two times as dense as** highly compressed natural gas. 8. By 2050 global emissions from vehicle use might be **2.5 to 3 times as large as** they were in 2000. 9. Hybrid cars are better for the environment because they



burn about **half as much as** most gasoline-powered vehicles. 10. The Prius emits about **half as much** carbon dioxide, and about **one-tenth as much** carbon monoxide, hydrocarbons, and nitrous oxide **as** conventional cars. 11. This sporty car from Mercedes creates **three times as much** NO<sub>x</sub> **as** petrol limits allow. 12. Maintenance of a hybrid vehicle is much **the same as** a conventional vehicle. 13. **The wider** the wheels are, **the greater** the offset between the wheel centre and the steering axis.

## B

1. The globalization of industry, including planning, sourcing, manufacturing and marketing activities has resulted in more complex trading and much more developed transport networks. 2. What is smaller than a car, stronger than an elephant, can reach as high as a giraffe, works like an ox and never falls over? The forklift truck! 3. Although these trailers are bigger, the larger payload means that fuel consumption will remain about the same, but with greater efficiency. 4. Poor logistics planning can result in higher costs and the implementation of inefficient logistics software can cause more difficulties. 5. There're approximately one million forklifts in the United States alone, with around **twice as** many operators. 6. On average, motor carriage is about **ten times more** expensive **than** rail, and air service is **more than twice** the cost of motor carriage. 7. The advantages of international motor transport are basically **the same as** those for domestic shipments: speed, safety and reliability. 8. **The more** complex and important the purchase, **the more** time must be spent on it, especially if it's a new one. 9. **The more** suppliers know about your exact requirements, **the more** likely they are to fulfill them on time. 10. A typical e-commerce facility needs **three times as** many employees **as** a traditional regional distribution center. 11. A study shows that inventory levels in Brazil and other developing countries are typically **twice as** high for final products and **three times as** high for raw materials **as** in the United States. 12. A big ship will emit

about 0.4 oz of CO<sub>2</sub> to transport two tons of cargo one mile. That's roughly **half as much as** a train, one-fifth **as much as** a truck and nearly a fiftieth of what an airplane would emit to accomplish the same task. 13. Propane bottles weigh **half as much as** a steel cylinder of the same size when empty which makes it **much** easier to carry.

## VERB TENSES IN THE ACTIVE AND PASSIVE VOICE

### 1. Put the words in the right order to make up a sentence.

#### A

1. increasingly/ are becoming/ popular/ biodiesels.
2. the full force of/ the clutch/ to the rear wheels/ re-engages/ the drive power.
3. for extra-vehicular communication/ wireless/ GSM and DSRC/ communication technologies/ are used/ such as.
4. has increased up/ to eight/ or even nine speeds/ the number of gears.
5. with little difficulty/ today's/ can meet/ petrol engines/ the legal NO<sub>x</sub> limit.
6. can/ the 2016 BMW 7 Series sedans/ to match/ slow/ posted speed limits/ automatically/ accelerate/ and.
7. for family cars/ making/ a serious challenge/ are/ lightweight diesels.
8. is/ that/ affects/ us all/ road safety/ a concern/ in our everyday lives.
9. improving/ the work/ for/ never stop/ road safety/ should.
10. accidents/ modern/ in cars/ avoid/ drivers/ can/ safety features/ help.
11. popped the hood/ checked and tested/ the car battery/ the car mechanic/ and/ battery cables/ all the hoses and belts.
12. warnings/ to drivers/ help travel/ would send/ to avoid accidents/ V2V technology/ more smoothly/ and.

## B

1. because/ a delay/ there was/ of bad weather.
2. the organizing and planning of/ the main functions of/ purchasing/ transportation/ include/ and/ warehousing/ a qualified logistician.
3. and the point of consumption/ implements and controls/ in order to meet customers' requirements/ between the point of origin/ forward and reverse flow of goods/ logistics management.
4. represents and protects/ the interests of/ worldwide/ FIATA/ the freight forwarding industry.
5. grade-separated intersections/ a divided multi-lane highway/ and/ the freeway/ is/ with fully-controlled access.
6. have/ to inspect/ under Customs seal/ at any time/ Customs authorities/ the right/ the goods.
7. an efficient/ a key to success/ running/ supply chain/ is.
8. is/ joint venture/ with a local/ to set/ the plan/ distribution company.
9. the local market/ may produce/ manufactures/ to meet the needs of/ customized products.
10. to remain/ highly efficient/ competitive/ companies/ supply chain/ need to have.
11. by transport/ is affected/ through the emissions of/ environmental sustainability/ negatively/ greenhouse gases.
12. affects/ economic and environmental/ transport/ sustainability/ social.

**2. Read the sentences given below and identify the tense form used in each of them (see p. 53). Translate the sentences.**

## A

1. Automakers promise that navigation features in advanced driver assistance systems will come to mass-market vehicles, eventually as standard equipment. 2. Alternative transmissions for passenger cars are competing with each other, e.g. Automated Manual Transmission, Dual Clutch Transmission, Continuously Variable

Transmission and Hybrid Transmission, electrically variable transmissions, etc. 3. Audi and Mercedes have developed headlights containing dozens of individual LEDs for more precise lighting. 4. Although engineers had already manually optimized their transmission designs, they felt more savings could still be identified. 5. Google has been testing self-driving cars for several years, and states like California and Nevada have authorized them for use on roads – although only with a human behind the wheel. 6. The auto companies have been evaluating different models of hydrogen fuel cell-powered automobiles since 2002. 7. Upgrades to the transmission, which AW Ltd. had been producing prior to the 2014 GM applications, include additional heat-treatments on gear sets and other internal components, and additional clutch plates. 8. Last year the California Department of Motor Vehicles issued draft regulations that required a human driver capable of controlling the car to be in the vehicle. 9. Mercedes-Benz has developed an airbag that inflates underneath a car and acts as an anchor by rubbing the road surface, slowing the vehicle down.

## **B**

1. Performance by an individual firm affects the performance of all and determines the ultimate performance of the network as a whole. 2. To spread this service all requisite standards will need to be fully defined. 3. Companies have been increasingly demanding an integrated logistics service tailored to their requirements. 4. Advances in telecommunications and information technology have given companies the means to improve the efficiency of their businesses across widely dispersed geographic locations. 5. A more globalised economy links the sourcing of material and product components with production and markets across national boundaries. 6. Unfortunately, transport services are becoming relatively more expensive in major parts of the ECE region (Economic Commission for Europe). 7. As environmental standards become stricter and consumer demands for vehicles with greater fuel efficiency rise, automotive suppliers need to support their custom-

ers with lighter components that will help meet the pressure for lower emissions and better gas mileage. 8. Walker Logistics had been providing a range of services to the US giant for over seven years, but when the company started to market its range in the UK and Europe, the client opted to work with one of the biggest names in the logistics industry. 9. In order to keep its production schedules responsive, the business has invested in a temporary warehouse to hold all of its raw materials during busy periods.

**3. Complete the sentences with the correct form of the verbs in brackets, active or passive (Present Simple).**

**A**

1. The standard Tyre Pressure Indicator (*warn*) the driver whenever there is a fall in tyre pressure. 2. This safety system is finding and fixing defects before someone gets hurt, rather than just punishing them after the damage (*do*). 3. A driverless car (*not break*) very many traffic laws, (*not drink*) while it drives, (*not get*) distracted, really (*pay*) attention. 4. Human behaviour (*recognize*) worldwide as the No. 1 factor influencing road safety, being fully or partially responsible for 93–95 per cent of accidents. 5. The head-thorax airbags ideally (*position*) in the seats and (*deploy*) as needed to deliver split-second protection for the vehicle's occupants, should a collision be unavoidable. 6. Audi (*plan*) to use the lights in a concept car participating in the annual endurance race held in France in June. 7. The sixth generation BMW 7 Series (*have*) carbon-fiber construction and (*pack*) with high technology. 8. Using GPS and electromechanical dampers, BMW's adaptive suspension (*provide*) a serene ride quality.

**B**

1. The development of trade networks (*create*) various needs for value-added logistics management and (*give*) rise to a number of individual trends in logistics. 2. Goods (deliver) to the retail outlet. 3. The system (*contribute*) to the avoidance of traffic violations at

crossroads and (*help*) to lessen the effects of unavoidable collisions. 4. Logistics activities often (*outsource*) by manufacturers to Third Party Logistics operators (3PL). 5. A 4PL provider is a supply chain integrator that (*assemble*) and (*manage*) the resources, capabilities, and technology of its own organisation with those of complementary service providers to deliver a comprehensive supply chain solution. 6. Our prices (*calculate*) on the basis of your forecast of annual consumption figures. 7. Trip-planning apps like Google Maps (*make*) public transportation easier to use. 8. Despite output raised from 125 to 143 kW (from 167 to 192 hp), fuel consumption and CO<sub>2</sub> emissions both (*reduce*) by some 13% for the E-Class.

**4. Complete the sentences with the correct form of the verbs in brackets, active or passive (Present Continuous).**

**A**

1. Research also (*conduct*) into systems that provide automatic steering control. 2. Audi (*test*) a feature that can take command during an emergency to prevent a crash, but it's still far from fully automated driving. 3. Unfortunately for the average driver, these advanced lighting systems (*add*) only to luxury vehicles. 4. Mercedes-Benz (*develop*) a system that over time promises to learn your schedule, tastes and even your moods. 5. Electrocardiograph sensors in the steering wheel can pick up early signs that a driver (*have*) a heart attack. 6. Almost every major car manufacturer (*cooperate*) with universities to develop automated-driving technology. 7. There are reports that Ford (*work*) with Google on self-driving cars. 8. Both manual and automatic gearboxes now (*produce*) with as many as seven forward gears.

**B**

1. Manufacturers (*restructure*) their logistics systems by concentrating production and inventory capacity in fewer locations. 2. As companies try to concentrate on their core competencies, logistics activities now (*outsource*) increasingly to specialist pro-

viders. 3. Firms at this level (*work*) in project organisation with suppliers and customers, and investments are made jointly. 4. Two large platforms for logistics and industrial use also (*prepare*) in the industrial zone. 5. Companies (*remove*) internal barriers, and (*focus*) on tactical solutions (e.g. working capital, inventories, customer services, etc.). 6. They (*begin*) to realise the business benefits of working with an outsourcing partner. 7. At the root of the problem is that drivers (*retire*) at a faster rate than they (*hire*). 8. Skoda (*design*) new models and production capacities constantly (*grow*).

**5. Complete the sentences with the correct form of the verbs in brackets, active or passive (Present Perfect).**

**A**

1. Thanks to catalytic converters and engine innovations, the amount of nitrogen oxides that petrol engines emit (*fall*) by 96% over the past decade. 2. Since investing in manufacturing to support the new transmission, Ford's cars (*produce*) in multiple plants at high volume and quality. 3. Mini as a car brand (*label*) a chick car, a cute car, a small car, but once you've driven the car, all those labels disappear. 4. Ford (*develop*) a system for its hybrid cars that tracks where and how an owner drives each day to maximize fuel economy. 5. The invention of the electric starter (*boost*) its popularity beating steam and electric cars in the process. 6. Thanks to their good fuel economy, diesel cars (*remain*) popular in Europe, where fuel is two to three times more expensive than in America. 7. Since the 1980s diesel lorries and subsequently cars (*equip*) with particulate-matter traps capable of filtering out 95% or more of the harmful soot, smoke and fine particles. 8. The engine (*engineer*) to warm up quicker, using a map-controlled coolant/temperature management system.

**B**

1. Trade liberalisation (*remove*) constraints on cross-border movement and (*reduce*) related "barrier costs". 2. The economic

regulation of transport and telecommunications (*liberate*), leading to new market-based service providers. 3. The volume of trade in Asia greatly (*increase*) due to export oriented policies. 4. In some cases, the majority of business operations (*outsource*) to external parties, including third and fourth party logistics. 5. This trend (*encourage*) many global logistics service providers to expand the range. 6. Leading companies (*realize*) how much they can benefit from strategic sourcing. 7. In the attached quotation sheet all prices (*list*) in columns according to your requirements. 8. Many companies already (*achieve*) impressive cost reductions.

**6. Read the texts and underline all the verbs in the Passive Voice.**

**A**

The 2017 Ioniq was presented by Hyundai at the Geneva Show, a car only available with an electrified powertrain. Three variants of the car with a conventional parallel hybrid, plug-in hybrid and battery electric drive will be offered.

In the hybrid and plug-in hybrid variants, the engine is coupled with a 6-speed dual clutch automated transmission and the slim electric motor/generator is conventionally sandwiched between the engine and clutch. The motor is rated at 32 kW (43 hp) and peak torque of 170 Nm is produced.

Electric power is supplied by a lithium-ion polymer battery. The battery can be charged from a regular domestic power point or fast charger. Hyundai claims that using a 100 kW fast charger, the battery can be charged to 80% capacity in 24 min. In all three models, the battery is located under the rear passenger seat.

All Ioniq models are fitted with low rolling resistance Michelin tires. Hybrid models with 17-in wheels are fitted with silica tires, which can combine good grip characteristics with low rolling resistance. Aluminum is used extensively in the suspension components. The chassis is made from 53% of high-strength steel to improve rigidity and limit weight. Two different rear suspension arrangements are used. Battery electric models use a torsion beam



rear axle to provide greater space for the battery pack. Hybrid and plug-in models are fitted with a multi-link system.

## B

Intelligent Transport Systems (ITS) are implemented to improve overall levels of safety and efficiency. In most cases communication with the driver is the main aim of ITS applications and sometimes ITS is used when traffic violations occur. High-speed driving is considered to be one of the leading factors in 60% of all road fatalities.

All over the world radar or other technological systems are used by traffic police officers to measure drivers' speed, and if necessary enforce the law when speed limits are exceeded. Nowadays, video cameras and other pieces of fixed equipment are used to perform related functions in a semi-automated way. For example, a system that is able to detect the average speed of vehicles travelling on monitored sections of road in any weather condition has been implemented on Italian motorways. If the result is lower than the maximum speed limit, then the data is deleted. Otherwise, the images are made available to the traffic police for enforcement procedures. According to data collected by traffic police and motorway operators, it has been estimated that the positive effects of ITS implementation have resulted in a 51% decrease in fatalities, a 27% reduction in accidents resulting in casualties and an overall fall of 19% in accidents of all kinds.

**7. Translate the following sentences paying attention to the verbs in the Passive Voice.**

## A

1. Although the measurement of torque **is** commonly **referred to** in foot-pounds, it should actually be expressed as pounds-feet to distinguish it from work. 2. The actual pressure varies according to the make and type of engine; the workshop manual **should be referred to**. 3. An internal combustion engine **is acted upon** by the pressure of the expanding combustion gases in the combustion

chamber space at the top of the cylinder. 4. Today, Mobil 1 synthetic oil **is relied on** for its ability to deliver exceptional engine performance and protection even under some of the most extreme conditions. 5. A car's electrical system is an extremely important component and **is relied on** for the smooth operation of any vehicle. 6. There are such cars which **are spoken about** long before their putting in the market. Ferrari limousine is that very vehicle. 7. Four-cylinder engines **are thought of** as more fuel-efficient than bigger motors like V6's or V8's. 8. Electric cars **are thought of** as vehicles of the future, but in fact they have a long history. 9. Matters relating to driving licences, driving tests and vehicle standards **are dealt with** by the Road Safety Authority. 10. Usually torque and horsepower **are talked about** at once, as torque plays a major role in the low- and mid-range response of the car. 11. At present, driverless cars **are talked about** and hyped in the media as being a wondrous and magical future.

## B

1. Supply Chain Management software **is relied on** to manage warehouses, transportation and trade logistics. 2. Powered pallet trucks **are relied on**, not just in warehouses, but also in retail premises where safety and maneuverability is important. 3. Commonly, reefer trailers **are thought of** as transporting frozen or refrigerated food loads, however non-food loads such as medicines, chemicals, and other commodities also exist in this market. 4. Currently, warehouses **are thought of** primarily as storage centers. 5. Business entities that purchase products from manufacturers for resale, for example, wholesalers and retailers, **are referred to** as intermediate customers. 6. People who are authorized or given the task of managing the aspect of logistics management **are referred to** as 'distribution managers' or 'logistics managers'. 7. According to the Incoterms 2010, the buyer has the responsibility for export if FAS **is agreed upon**. 8. Cycle time includes process time, during which a unit **is acted upon** to bring it closer to an output. 9. A good practice is to use established, detailed document requirements that **are**

**agreed on** by all parties involved in the process. 10. Goods are stored in a bonded warehouse and all the customs documents **are taken care of**. 11. If you have not discussed any special circumstances, the order should follow the incoterms which **are agreed upon** on the order.

**8. Translate the following sentences paying attention to the verbs in the Passive Voice.**

### A

1. Compression ratio **is also affected by** the size of the combustion chamber above the piston. 2. Fuel economy **can be influenced by** the energy content of the gasoline, which is always higher during the summer. 3. The oil lubricates the car's engine, which **can be affected by** the type of climate that you are driving in. 4. Traction and stability **can be affected by** tires that are either over or underinflated. 5. Intervals for fuel system maintenance **can often be influenced by** the quality of fuel which you put in your vehicle, the age of your car, mileage, and operating conditions. 6. Brazil leads the world in sales of alternative energy cars and **is followed by** the United States, Canada, and Sweden. 7. General Motors being in the lead for manufacturing hydrogen powered vehicles **is followed by** BMW. 8. Monitored parking lots that **are watched by** security guards cost a few extra dollars, but thieves will pass them by in favor of less secure vehicles in unmonitored areas.

### B

1. Decisions on where to market the products **are largely affected by** the ability of transport operators to deliver products to markets in a cost-effective manner. 2. Demand for transport service is derived from trade, which **is influenced by** a number of factors that have an impact on the costs of transport. 3. The choice of transport mode **is influenced by** the characteristic of the mode, operational factors and consignment factors, and cost and service requirements. 4. Inventory levels within a company's supply chain

**are affected by** the mode of transportation used and how close it is to the company's physical facilities. 5. The future collaboration of a shipper with an intermodal service **is affected by** the shipper's satisfaction with the carrier. 6. Order preparation **is followed by** order routing, a process including order confirmation and the generation of internal job orders. 7. On paper, the incoterm **is followed by** the location of delivery (DDU: Frankfurt). 8. The problem of congestion **can be addressed in** two ways: reducing traffic demands or increasing capacity.

### **9. Complete the sentences with the correct verb form.**

Invention of the automobile and utilizing it as a means of transportation *is making/have made* a great contribution to the growth of society. Automotive engineering and technology *had/have always been* subject to evolution. Since the early phase of the automotive development, the interaction between the environment and the traffic *has been represented/has represented* by legal standards related to reducing the exhaust gas pollutants, noise emissions, hazardous substances and waste, etc. The increasingly high traffic density, high demand of mobility and transportation adversely *has/will be* a significant impact on the environment. The traffic and vehicles *are connecting/have been closely connected* and *have affected/are affecting* each other to meet the required human mobility and transportation needs. Hence, vehicular propulsion systems *have been designed/will design* to satisfy the various human needs, and to match the public and traffic situations, which *are resulting/have resulted* in a strong segmentation of the vehicle classes. Vehicles powered by internal combustion engines *require/have required* a transmission to transmit the engine power to the drive power at the wheels in accordance with a wide range of operating speeds. Therefore, in the last three decades, many different transmission designs *develop/have been developed* with competing concepts in terms of the cost, packaging, overall gear ratio, the number of gears, efficiency, comfort and the ease of operation, etc. The transmission

research and development *have been focused/are focusing* on the individual solutions tailored to a particular usage.

**10. Put the words in the right order to make questions (1–5).  
Fill in the blanks with the correct question tags (6–10).**

**A**

1. predict/braking systems/how/an accident/can?
2. a good sign/is/the interest in/for the entire industry/Tesla's first mass-market model?
3. vehicles/heavily/investing/who/been/in zero-emission/has?
4. Volkswagen/did/Skoda' brand image/improve/when?
5. do/conventional engines/before injecting the mixture/what/mix/into the cylinder?
6. Running a diesel engine on a plant-based fuel is not a new idea, \_\_\_\_\_?
7. Navigation systems will be tied into computer control modules, \_\_\_\_\_?
8. Crash tests have shown that the external airbags can reduce the impact on a vehicle's interior by up to 35%, \_\_\_\_\_?
9. There're systems that use sensors to keep tabs on a driver's health, \_\_\_\_\_?
10. Tesla has already 325/000 preorders for its newest electric cars, \_\_\_\_\_?

**B**

1. today/more complex/customers/are/logistics solutions/demanding?
2. will/when/be delivered/these goods?
3. result in/poor/what/can/logistics planning?
4. provide/any logistics company/must/what information?
5. usually/shipping of/who/various goods/organizes?
6. There is a movement towards focusing on sourcing and sustainability with consumers, \_\_\_\_\_?
7. The global logistics market has grown radically since 2000, \_\_\_\_\_?

8. Consolidation of goods prior to shipping helps logisticians eliminate costly part shipments, \_\_\_?

9. The main functions of a qualified logistician include purchasing and warehousing, \_\_\_?

10. Our company was recommended to you as having very competitive rates, \_\_\_?

**11. Use the question words in brackets to make questions (1–5). Make questions to which the underlined words are the answers (6–10).**

### A

1. Many automakers are demonstrating video systems that replace side mirrors with cameras. (*Who, what systems...?*)

2. I contacted a car rental agency and asked them about the types of vehicles they had available. (*Why, what agency...?*)

3. For decades inflatable airbags have been protecting people in cars from the devastating shock of collisions. (*How long, what...?*)

4. Some technological solutions have been proposed for increasing reaction time of a driver to road accidents. (*What purpose, what solutions...?*)

5. The engineers reduced the kerb weight of the car by 50 kilos by using the lightweight materials. (*Who, what, how, how many kilos...?*)

6. The new autonomous Nissan models require human oversight and will not drive autonomously in all conditions.

7. The next generation of dashboard touchscreens is already showing up in commercially available vehicles.

8. Buying cars through the Internet is becoming popular, perhaps because people can preview cars without having to deal with sales people.

9. V2V crash avoidance technology has potential to significantly reduce the number of crashes on our roads.

10. The car rental manager recommended to buy the additional car protection insurance that would cover the vehicle in case of an accident.

## B

1. Road transport occupies a unique position in the movement of people and goods throughout the world. (*What, what position, where...?*)

2. Logistics has been performed since the beginning of civilization. (*What, how long...?*)

3. Now the Company is expanding its production facilities to include a new product line. (*What, why...?*)

4. The invention of the sea container in 1956 changed production conditions for nearly all industries in the world. (*What invention, when, what..?*)

5. One of the manifestations of logistics activities is the growth in freight transport due to the worldwide expansion of trade. (*What, why...?*)

6. The supply chain refers to every step in the process from the procurement of materials to the production and shipment of those materials to different locations.

7. Most logisticians work for either large shipping firms or international distribution companies.

8. The retail supply chain involves the transfer of goods and materials from manufacturers and suppliers to retail outlets.

9. The delay was caused by the accident on the motorway.

10. Logisticians are responsible for delivering cargo to the end customer.

## MODAL VERBS

**1. Translate the sentences, mind the use of the modal verbs and their equivalents.**

### A

1. Electric vehicles may be the future but hybrids are ideal for developing motors, batteries and electronics now. 2. This monitoring can be performed by video cameras, although other devices are able to perform this task. 3. This system must have additional energy

from the battery to meet the energy needs of the vehicle. 4. A battery, like other parts of your vehicle, is subject to wear and tear and should be checked regularly. 5. In the event that you are unable to charge your car battery you can use gasoline to power it. 6. Every driver should keep jumper cables in the trunk and be able to use them if the car stalls. 7. Waste oil and antifreeze should never be allowed to mix and must be stored in separate containers. 8. By following the engine maintenance advice, you will be able to keep your car running a long time without major problems. 9. A hybrid electric vehicle is able to utilize the energy produced by its auxiliary engine, even when the vehicle is not moving. 10. Smartphones cannot collect precise data about the position of lane markings and are unable to control critical braking and steering systems.

## **B**

1. Before fully automated cars can relieve us from driving forever, manufacturers and researchers must work with governments to establish standards and laws – a challenge that may prove much more difficult. 2. All regions should respond to the current developments in logistics and the need for efficient transport solutions. 3. E-commerce in its present form is based on home-delivery, which may lead to less consolidated deliveries. 4. For instance, no real-time video system can exist in the absence of suitable communications technology. 5. If both parties agree that the buyer should get customs clearance for the goods and pay the duties, the Incoterm DAP must be used. 6. Adam Smith, the father of economics, considered shipping as a source of low-cost transport that could open up markets. 7. Because of his extensive knowledge the forwarding agent was able to find the right kind of traffic for shippers at reasonable prices. 8. In order to be able to deliver goods quickly you will have to maintain a stock. 9. It might be wise to build a strategic inventory, because you never know when you might run out. 10. You must not block traffic and must pose no risk to anyone else.



**2. Translate the following sentences paying attention to the use of modal verbs with Perfect Infinitive.**

**A**

1. Some owners were disappointed with the fuel consumption, especially those who may have considered the gasoline hybrid as an alternative to diesel. 2. You may have heard about an invention created by a 63-year-old named John Kanzius that claims to create an alternative fuel out of salt water. 3. I was overtaken by two separate Prius drivers the other day, who must have been doing over 100 mph. 4. The universal joint or the transmission fluid system are two other things that might have gone wrong if your car is shaking hard at higher speeds. 5. Toyota Motor Sales U.S.A. is recalling 423,000 Lexus vehicles, some fuel delivery pipes in the engine compartment could have been produced with particles on the gasket surface. 6. If the fluid appears extremely viscous, the fluid might have been contaminated with motor oil. 7. This must have been due to freezing in the cold temperatures or simply from an electronic failure. 8. Perhaps instructions could have been designed to move the crank shaft to a certain position and then turn on the spark coils to start the engine.

**B**

1. The warehousing costs could have been increased by as much as 10% because of traffic congestion. 2. All products must have been purchased within the last 24 months. 3. The original usage and purpose might have changed completely so storage and material-handling equipment are no longer efficient or properly effective. 4. That might have been true 10 years ago, when the services being offered by third parties were fairly basic: transportation, warehousing, store delivery and maybe some pick-and-pack activities. 5. Order sizes might have been 15,000 pounds a decade ago; now they typically range from 5,000 to 7,000 pounds. 6. A recent study by the American Transportation Research Institute suggests that the hours-of-service rules might have had a negative impact on safety.

7. The cost of having a truck loaded with five LTL shipments might have been only \$325 more than if the truck had just one origin and one destination. 8. Highway safety advocates say this crash might have been prevented if the trucks had a collision avoidance system.

## INFINITIVE

**1. Translate the sentences paying attention to the use of the Infinitive after the ordinal numerals *the first*, *the second*, the adjective *the last*.**

### A

1. It's worth pointing out that BMW was the first to incorporate iPod facilities into its vehicles. 2. British engineer Edward Butler invented the spark plug, coil ignition and was the first to use the word *petrol*. 3. If the sun's out, the roof and the hood are the last to be wiped as they dry so much faster than the sides and the trunk. 4. The 2014 Freelander model is the last to be sold under this nameplate, as it's now replaced by the all-new Land Rover Discovery Sport. 5. In 1894, 'Hildebrand & Wolfmüller' became the first series production motorcycle, and the first to be called a motorcycle. 6. This car is the second to be launched by the company's new Chinese owner, SAIC Motor. 7. This all-new 3.0-litre direct-injection turbo-diesel engine – the second to be introduced to Europe with Nissan's M-Fire combustion technology – offers substantial increases in torque and power, as well as efficiency. 8. The Hudson automobile company was the first to use malfunction telltales instead of gauges for oil pressure and the voltmeter, starting in the mid-1930s.

### B

1. Containers only became widely used in 1955 when they were introduced for the White Pass & Yukon Route – the first to build a containership to load goods from trains to ships with ease. 2. Carriers are the last to get paid by failing shipper. 3. In the case

of international shipments, the consignee will most likely be the first to discover any damage to or loss of a shipment. 4. International transportation has tended to be the first to get deregulated, but national transportation tends to be the last to get deregulated. 5. Although he was the first to implement it widely, the container was not an invention of Malcom McLean. 6. For example, if your motorcycle is the last to load and the first to unload, the transit time will be drastically reduced. If your motorcycle is the first to load and the last to unload, the transportation time will be lengthened. 7. Fred Smith was the first to recognize the opportunity presented by an all-in-one cargo transportation service that would eliminate the need to combine freight with passenger traffic, which in his opinion slowed down cargo delivery. 8. The Romans were the first to invent aqueducts to deliver water to cities, and clay containers were then used to transport water in smaller quantities.

**2. Translate the sentences paying attention to the use of the Infinitive as a subject and an adverbial modifier of purpose.**

**A**

1. Audi and BMW are racing to be the first carmakers to offer laser lights in a production car. 2. The YIELD sign informs you that cross traffic has the right-of-way. To “yield” means to give up the right-of-way and let someone else proceed ahead of you. 3. To initiate ABS brakes, you must fully compress the brake pedal to near maximum capacity. 4. To create an engine with high efficiency was the goal of Rudolf Diesel. 5. To alert you that something is wrong in the braking system somewhere is the purpose of the brake warning light on the dashboard. 6. In order to minimize the chance of a crash, you should slow down as quickly as possible, pull to the extreme right, flash the headlights, and sound the horn. 7. To avoid carbon monoxide poisoning, do not leave the motor running in a garage. 8. To slow down as quickly as possible is the only way to stop a front-wheel skid.

## B

1. To gain a better understanding of logistics, it's vital to improve the statistical recording of freight flows. 2. It's a good idea to evaluate the costs and services of all carriers in order to determine the most efficient method of inland transport. 3. To choose the right forwarder for your business is always important. 4. Various methods can be proposed in order to improve the shelf-replenishment process and inventory accuracy, including redesign of packaging and the use of more effective planograms. 5. To prevent these problems from happening, companies need to adopt some logistic management best practices. 6. In order to achieve efficient global logistics systems, extensive co-operation among private corporations, governments and international organizations is essential. 7. A copy of the Packing List is sent directly to the consignee to assist in checking the shipment when received. 8. To be the low-cost/low-priced retailer of general merchandise is Wal-Mart's basic strategy.

### **3. Translate the sentences paying attention to the use of the Complex Subject.**

## A

1. Porsche is likely to add higher performance versions of the engines. 2. Elderly people with disabilities and women are less likely to have a driver's license and more likely to live in a household without a car. 3. The deal between GM and Ford to co-develop a new 6-speed automatic transaxle for front-drive applications turned out to be a landmark in collaborative ventures. 4. What this statistic points out is the fact that SUVs are much more likely to rollover in serious accidents. 5. Due to initial high demand in the Japanese market, the Toyota Prius is predicted to be in short supply until Toyota increase production capacity. 6. A two-stroke kerosene engine developed by American engineer George Brayton is considered to be the first safe practical oil engine. 7. If you replace a power module without correcting a blower motor problem, the new power module is certain to fall again. 8. Broadly speaking,

vehicles that use Toyota's hybrid system are likely to be better for urban drivers.

## B

1. The clients appear to be satisfied with their 3PL-service experience. 2. Cooperative systems are expected to make use of state-of-the-art communication facilities to allow the driver access to all road and traffic information directly from the vehicle's instrument panel. 3. Packages, which appear to be damaged or show signs of leakage should not be accepted. 4. The logistics requirements are expected to change over time as the trade changes and as the transportation network evolves. 5. When goods are shipped in solid metal containers, they are less likely to be stolen or damaged; containers can be locked properly. 6. Incoterms determine at what point the seller has fulfilled his obligations so that the goods could be said to have been delivered to the buyer. 7. To cover the long-term storage requirements, the new warehouse is supposed to have more than 6,000 pallet spaces available. 8. RFID technology (Radio Frequency Identification) is likely to play an important role in supply chain management.

**4. Complete and translate the sentences (the Complex Subject). Use the following verbs: *to originate, to be operated, to be* (×4), *to cause, to have, to know, to drive*.**

1. Upon arrival at a destination, the temperature in one truck was found <sup>1</sup> \_\_\_\_\_ 12 degrees.

2. Both fuels are known <sup>2</sup> \_\_\_\_\_ air pollution and are also blamed for contributing to climate change and global warming.

3. A team of tech analysts suggests that the iCar is likely <sup>3</sup> \_\_\_\_\_ a price tag of around \$55,000.

4. One of the most popular hybrid models of 2011 was expected <sup>4</sup> \_\_\_\_\_ the Chevy Volt, produced by General Motors.

5. Truck drivers are expected <sup>5</sup> \_\_\_\_\_ up to fourteen hours straight a day.

6. An experienced driver is supposed <sup>6</sup> \_\_\_\_\_ the speed without taking eyes off the road.

7. A car is considered <sup>7</sup> \_\_\_\_\_ ‘high performance’ if it has a lot of power relative to the weight of the car.

8. The word ‘car’ is believed <sup>8</sup> \_\_\_\_\_ from the Latin word *carrus* or *carrum* (‘wheeled vehicle’).

9. All lights should work correctly, even if the vehicle is not expected <sup>9</sup> \_\_\_\_\_ at night.

10. Among all the possible causes that lead to vehicle crashes, human error is believed <sup>10</sup> \_\_\_\_\_ the primary factor.

### **5. Translate the sentences paying attention to the use of the Complex Object.**

#### **A**

1. This transmission enables us to reduce the ‘N-over-V’ [engine speed to vehicle speed] by 11%. 2. A cold air intake will cause your car to roar and this new sound causes most people to push the gas to the floor as they enjoy listening to the powerful sound from their vehicles. 3. The engineers wanted the Panamera to be a typical Porsche with lots of performance and high lateral acceleration. 4. Many fuel tanks have vent hoses to allow air in the fuel tank to escape when the tank is being filled with fuel. 5. Hybrid vehicles allow vehicle owners to considerably reduce their investment in gasoline, and generally do a much better job of reducing carbon-based emissions into the environment. 6. Holes or bumps may cause the vehicle to lose traction with the road surface, while other factors make it difficult to simply steer the vehicle altogether. 7. The charging system allows a battery to maintain a charge and operate electrical accessories. 8. Sometimes you will see people spray ether into their engines in cold weather to help them start – ether evaporates better than gasoline in cold weather.

#### **B**

1. Urban traffic management and control can enable police, local authorities and public transport operators to share information and

help develop a more efficient transport system. 2. It's very simple and all you need to do is to tell the supplier that you want them to ship the cargo as CIF "Port of destination" and they'll do the rest. 3. E-commerce-based services enable the Maersk company to receive booking requests and shipping instructions from its customers, they also allow Maersk to electronically send bills of lading and booking confirmations to its customers. 4. Every carrier of cargo has the right to require the consignor to make out and hand over to him a document called an 'air waybill'; every consignor has the right to require the carrier to accept this document. 5. Companies using just-in-time production want small quantities of inbound materials shipped frequently to arrive on rigid time schedules, preferably from nearby suppliers. 6. Customers expect their orders to be delivered in a timely, reliable, and damage-free manner. 7. The capacity and efficiency of ocean transportation allow large-volume shipments to be transported between continents at relatively low per-unit costs. 8. Do not allow the driver to break the seal!

**6. Make up the sentences and translate them (the Complex Object).**

1. to reduce/ allow/ their investment/ hybrid vehicles/ in gasoline/ vehicle owners.

2. can expect/ to improve/ you/ with each year's new models/ engine performance.

3. your car/ you/ let/ do/ on cold winter mornings/ warm up?

4. open/ the heat/ to allow/ to dissipate/ the hood of the vehicle!

5. prices/ in Canada/ to rise for consumers/ will eventually cause/ the shortage of truck drivers.

6. to be collected/ would you like/ at your premises/ the cargo/ when?

7. start/ I/ him/ his car/ down at the end of the street/ saw.

8. to drag/ tires/ will cause/ low tire pressure/ use more gas/ and.

9. harder/ your car/ forces/ the deep tire tread/ to work.

10. the wheels/ lets/ turn/ the differential/ at different speeds.

11. between/ forces/ a water pump/ to flow/ the mixture/ the cylinders of the engine.

**7. Translate the sentences paying attention to the use of the *for-to-Infinitive construction*.**

**A**

1. The worst time for your brakes to fail is when you're heading downhill, which can cause your vehicle to gain speed. 2. If you choose to check the engine yourself, wait at least a few minutes for it to cool down and then look for a broken belt or hose. 3. If your battery terminals are not clean, you're making it more difficult for the current to pass around the electrical system. 4. It is common for one or both cars to go into an uncontrolled spin, which may cause the occupants to be thrown out of the vehicle. 5. The device called the brake booster makes it easier for the driver to stop the vehicle. 6. Manual transmissions are typically equipped with a clutch pedal that's required for the driver to be able to switch between gears. 7. If the temperature is extremely cold, it's normal for the engine to vibrate more than usual.

**B**

1. It is important for policy makers to understand concepts of logistics and current practices. 2. Logistics management is an important way for companies to reduce their costs and to improve their overall customer service. 3. It is important for the multimodal transport operator to have the ability to design and provide effective transport arrangements. 4. Electric pallet trucks can be designed for the operator to walk with, stand on or sit on the equipment. 5. The consignee will also sign the CMR transport document on delivery, which is essential for the carrier to be able to confirm the delivery of the goods and to justify the payment for its services. 6. It is not necessary for a shipper or consignee of a less than container load shipment to know which ship the cargo is on board. 7. There are no additional transportation charges for the shipper to pay when the forwarder picks up the cargo, and no additional



transportation charges for the consignee to pay when the forwarder delivers the cargo.

**8. Translate the sentences paying attention to the use of the Infinitive (revision).**

**A**

1. To alert other drivers that an emergency situation or collision is ahead is the purpose of emergency flashers. 2. The rear seat could fold up, making it easy for the driver to get a fairly big item in the car without opening the hatchback. 3. The United States Environmental Protection Agency devised various driving cycles in order to test the emissions and fuel economies of vehicles under different conditions. 4. In 1900, Gottlieb Daimler, of Daimler-Benz, was the first to patent a forced-induction system for internal combustion engines. 5. Capable of operating at up to 80 mph (130 kph), the new system is claimed to detect large animals such as deer and horses. 6. The main purpose of lights on a vehicle is to enable the driver to see and for other road users to be able to see the vehicle after dark and in other conditions of poor visibility. 7. You should hold the steering wheel firmly and steer straight ahead to keep the vehicle under control. 8. Biodiesel is claimed to be better for the environment because it is made from renewable sources.

**B**

1. As the cargo volume handled through Europe continues to grow, it's natural for logistics service providers to seek service improvements to satisfy the rising service needs of their customers. 2. These new developments are expected to have a significant impact on foreign shipping, marine insurance and international trade industries. 3. The operator must keep a record showing that any defects reported or found on inspection are rectified in order to keep the vehicle in a serviceable and safe condition. 4. For example, one buyer might require the seller to palletize and ship all shipments by rail; another might require motor carrier delivery only, with no palletization. 5. To consolidate loads for efficient long-haul trans-

portation (e.g., by rail or large ocean vessels) is the fundamental idea of intermodal transportation. 6. A smaller 3PL (third party logistics company) is far more likely to be able to respond more flexibly to a client's changing requirements than the biggest operators. 7. Australian mining giants BHP Billiton and Rio Tinto are among the first to use an electronic version of the bill of lading document that sets the terms in contracts between shippers and customers. 8. Companies strive to build powerful supply chains that will enable them to get their products to market faster, more efficiently and more economically than their competitors.

## **PARTICIPLE**

### **1. Translate the sentences paying attention to the use of Participle I.**

#### **A**

1. Having opened up the bonnet and secured it, take a minute out to have a good look at your radiator. 2. Vibrations coming from your car engine can also be a symptom of a problem with your vehicle's spark plugs. 3. When facing an expensive transmission repair, especially for an older, high-mileage vehicle, determine if you should repair the vehicle or replace it. 4. If you're going to do any work on your car involving the electrical system, disconnect the battery first. 5. During the 45-month development programme, the engineers paid particular attention to the acoustics, aiming to maintain the sporting sound outside the vehicle but keep the cabin quiet. 6. The Nissan Maxima QX is a luxury executive saloon, providing first class levels of comfort, space, safety, performance and equipment. 7. When driving through water, some water may get into the electrical system, causing a short circuit. 8. When driving the vehicle gently with the engine RPMs below 2,000, the top speed that you can achieve will only be about 40–50 km/h (25–30 mph) depending on the terrain. 9. This gives each intake cycle of the engine more oxygen, letting it burn more fuel and do more work,

thus increasing power. 10. Having been cleaned of soot, ozone, benzene, fine dust and other particles, the air escapes back into the environment. 11. Never use water when trying to put out an engine fire. 12. Being provided with batteries an electric car can develop a speed of 50 mph. 13. Having been designed for cruising the autobahns, freeways were no problem for the Volkswagen Beetle.

## **B**

1. When moving a vehicle, which complies with EU regulations, and its load, which is more than 18.65 metres long, the police must be notified two clear days in advance. 2. Having placed an order on the website of the Dell company, it'll take about three days until the customer receives the ordered product. 3. As for the air mode, although being increasingly used for intermodal transport, its relatively higher costs still make it interesting mostly for high-value or urgent deliveries. 4. Having identified both the hazard and the risk, managers are then obliged to undertake corrective actions. 5. Following inspection, the trucks are directed to the yard area where containers are unloaded and stacked. 6. Being temporary, this type of warehouse can be put up and taken down on demand, very quickly, making it a cost effective solution to keep the business fulfilling its busy export schedule during unusual periods of demand. 7. Depending on the type of goods being transshipped and their corresponding mode of transport, various kinds of terminal can be distinguished. 8. Having been inspected and certified by the Technical Inspection, the motor scooters are packed for transport and sent to the individual DIY stores. 9. Insurance that covers loss or damage to goods being shipped internationally is called marine cargo insurance. 10. When loading a vehicle, care must be taken to ensure that the load is evenly distributed to ensure stability of the vehicle. 11. Food vehicles must have the name and address of the person carrying on the business shown on the side of the vehicle. 12. Having selected an agency, try to establish a good working relationship with it. 13. A Delivery Note is one of the transport documents accompanying the shipment of goods.

**2. Translate the sentences paying attention to the use of Participle II.**

**A**

1. The engineers developed a new silencer system to achieve the desired sound with the minimum amount of noise. 2. Cameras and sensors mounted in car bumpers measure the distance between the car and surrounding obstacles. 3. Biodiesel is the only fuel allowed in some North American national parks because spillages will completely bio-degrade within 21 days. 4. Invented by Robert Stirling in 1816, the Stirling engine has the potential to be much more efficient than a gasoline or diesel engine. 5. With the batteries sufficiently charged, the electric motor can continue to power the vehicle at low speeds without the internal combustion engine. 6. The first American car with hydraulically actuated brakes was the 1921 Dusenbergl, followed by Chrysler in 1924. 7. First, carry out a visual check for obvious signs such as coolant on the floor under the vehicle, followed by a thorough examination of hoses, hose clips, the radiator. 8. High gasoline prices historically have caused furious investment in cheaper, cleaner fuels, followed by a collapse in demand when gas prices fall. 9. Early diagnosis followed by timely repair can often prevent more costly repairs on both emission control systems and other vehicle systems. 10. If you are traveling in a lane marked with an arrow and the word ONLY, you must make the turn as indicated. 11. Examine your wiper blades to ensure they are working as intended. 12. As previously mentioned, an abundant supply of clean air is important to efficient driving and the exact same is true of clean fuel. 13. Engines can have two, three, four, or five valves located in the combustion chamber of each cylinder.

**B**

1. Vehicles used to collect unprocessed waste food, intended for feeding to livestock and poultry, must be covered and enclosed with material capable of being cleansed and disinfected. 2. The Road Traffic Act 1988 requires that all motor vehicles, except vehicles

owned by local authorities or the police, used on a road must be covered against third-party risks. 3. All consolidation-based transportation modes involved in intermodal transportation must provide efficient, reliable, and cost-effective services. 4. In the United States the greatest volume of freight is shipped by railroads (approximately one third of the total), followed by trucking, pipeline, and inland waterways. 5. A survey of US logistics costs indicated that transport was the most important element at 46%, followed by storage/warehousing (22%), inventory carrying cost (22%) and administration (10%). 6. The trucking industry dominates the U.S. transportation market in terms of the value of goods moved, followed by multi-modal transportation. 7. Please note that all fields followed by an asterisk must be filled in. 8. The first step is obtaining a customer order, followed by production, storage and distribution of products and supplies to the customer site. 9. The seller delivers the goods, cleared for export, to the carrier nominated by the buyer at the named place. 10. Certificates of Origin are completed when required by the regulations governing the country of import. 11. There are a couple of other names used for inland carriers, based on the mode of transport for the export and the distance from pick up to delivery. 12. Of particular concern are products of a perishable nature, such as frozen and chilled foods as well as processed and packaged foods, drinks and juices. 13. The production or at least the assembly of product versions in the country of importation is carried out, followed by their distribution within the country.

### **3. Read and translate the sentences paying attention to the use of the Absolute Participial Construction.**

#### **A**

1. When the battery discharges, the vehicle becomes a series hybrid, with the internal combustion engine providing electrical generation to maintain vehicle movement. 2. The steam engine having been invented in 1825, a self-propelled vehicle was built. 3. The average motorist will spend more than £100,000 on fuel

over the course of a lifetime, petrol and diesel being the biggest motoring expense of all. 4. The cars at that time were very small, the engine being placed under the seat. 5. Cars with internal combustion engines having appeared, the automobile industry began developing rapidly. 6. The distance having been measured, the computer adjusts the car's speed. 7. With additional safety equipment now being fitted to vehicles, it is common for additional airbags to be fitted, including side impact, rear passenger and driver's knee airbags. 8. Road accidents are one of the most common causes of accidental death in the world, with an estimated one million people dying in road-related accidents every year.

## **B**

1. A typical firm sources material, manufactures components, assembles the product and delivers the finished product to the end customer, with each of these activities having a certain lead time. 2. The automotive industry has become extensively globalized, with all major manufacturers being multinational corporations using globally sourced raw materials and components. 3. In India, cross-docking has been used quite extensively by the trucking industry, with cross-docking taking place at all the major transportation hubs in the country. 4. First published in 1936, the Incoterms rules have been periodically updated, with the eighth version-Incoterms 2010-having been published on January 1, 2011. 5. Distinguishing by vehicle type ensures that the charge relates both to road damage costs and to environmental costs, with the heaviest vehicles with the fewest axles paying most and vehicles with more environmentally friendly emission standards paying less. 6. With farmers requiring rapid deliveries of supplies, Grene's automated warehouse offers same-day service, with orders received in the morning being delivered to customers before 4 p.m. or the next day before 7 a.m. 7. The demand for speed will result in companies taking inventory out of their systems, with technology providing much ability to meet the demands for speed. 8. Businesses change rapidly, with new products and new customers appearing continually.

## GERUND

### 1. Read and translate the sentences. Mind the use of the Gerund.

#### A

1. The technology works by outfitting cars with an array of sensors, cameras and radar systems, then applying artificial intelligence to help the cars know where to go. 2. Creating and producing new transmissions is one of the most expensive activities in product development. 3. Making the car as light as possible was an important part of plans to improve the performance without a heavy fuel consumption penalty. 4. Electric vehicles may be the future but hybrids are ideal for developing motors, batteries and electronics now. 5. Offering a more efficient, better equipped and better looking model for the same price as the old one is a smart move. 6. Having four-wheel drive increases real and test cycle fuel consumption and CO<sub>2</sub>. 7. Reducing the mass was an important part of improving the economy – lightweight engineering methods reduced fuel consumption by 23%. 8. Having the right level of coolant in your car engine is a lot more important than you might think. 9. Coolant stops your car from getting too hot and overheating. 10. It's worth noting that an English gallon is 1.2 US gallons. 11. Despite having been built in the UK for more than a quarter of its life now, the Civic has never featured among Britain's top 10 annual best-selling new cars.

#### B

1. Receiving and storing raw materials is a big responsibility for large manufacturers. 2. Logisticians are responsible for delivering cargo to the end customer. 3. The main tasks may include tracking inventory, receiving inventory stock from the manufacturer, collecting relevant information via telephone, mail services, e-mail and websites. 4. Operators can improve their services by having accurate information on the location and progress of vehicles. 5. Shipping hazardous materials requires more attention to detail

than transporting regular goods. 6. Having logistics personnel work in stores is rare, but there are good arguments for this. 7. Not being able to fill an order completely or delivering an order late can result in back orders, lost sales, and/or lost revenue for the selling firm. 8. Having the right product, at the right time, in the right quantity, without damage or loss, to the right customer are principles of logistics systems. 9. The word CARRIAGE means the actual movement of a consignment of goods from the point of destination after having been loaded and before being unloaded. 10. For some buyers, every dollar saved is worth fighting for. 11. Avoiding unplanned delays and the formation of load or vehicle bottlenecks is one of the major goals in operating intermodal terminals.

**2. State whether the “-ing” form in the sentences is Participle I or the Gerund. Translate the passage into Russian.**

**A**

Parking may be the dullest thing about **driving** the car. Nobody enjoys **circling** a crowded shopping-center parking lot, **struggling** for the few open spaces.

Carmakers have been busy for years **adding** parking-assist features. Cameras and sensors mounted in car bumpers measure the distance between the car and surrounding obstacles, **allowing** a semi-automated system to turn the steering wheel, move and brake to navigate into spaces. The driver has to perform some functions such as **shifting** between forward and reverse.

It might be a while before fully autonomous parking comes to production vehicles. In Europe, laws prohibit motorists from **leaving** the engine **running** with nobody in the driver’s seat. In the U.S., only four states allow autonomous cars on public roads, with the driver **being** behind the wheel. **Determining** liability in fender-benders **involving** self-parking cars could be complicated. And the technology still needs **fine-tuning** before it’s 100% reliable.



## B

A freight forwarder is an intermediary who acts on behalf of importers, exporters, **organizing** the safe and cost-effective transportation of goods. **Taking** into account the type of goods and the customers' requirements, freight forwarders arrange the best means of transport, **using** the services of road and rail freight operators. Companies vary in size and type, from those **operating** on a national and international basis to smaller, more specialized firms. Typical work activities of a freight forwarder include:

- **investigating** and **planning** the most appropriate route for a shipment;
- **arranging** appropriate packing, **taking** account of climate, weight, nature of goods and cost;
- **preparing** documentation to meet customs and insurance requirements;
- **arranging** insurance and **assisting** the client in the event of a claim.

**3. Complete the following passage (A) and the sentences (B) with either the Gerund or the Infinitive form of the verbs.**

## A

Many inventors were trying <sup>1</sup> \_\_\_\_\_ (*build*) gas-powered, self-propelled vehicles in the late 1800's. A French inventor succeeded in <sup>2</sup> \_\_\_\_\_ (*create*) a steam-powered tricycle in 1769. A German engineer, Nikolaus August Otto, is known for <sup>3</sup> \_\_\_\_\_ (*invent*) the four-stroke gas-powered engine in 1876. Both Gottlieb Daimler and Carl Benz managed <sup>4</sup> \_\_\_\_\_ (*build*) and <sup>5</sup> \_\_\_\_\_ (*sell*) autos in Germany in the 1880s.

It was in 1908 when Henry Ford started <sup>6</sup> \_\_\_\_\_ (*make*) automotive history. It was in that year that he managed <sup>7</sup> \_\_\_\_\_ (*put*) together the first assembly line and <sup>8</sup> \_\_\_\_\_ (*lower*) the price of automobiles so that everyone could buy one. By 1913 he managed <sup>9</sup> \_\_\_\_\_ (*produce*) 250,000 cars a year. Henry Ford went on <sup>10</sup> \_\_\_\_\_ (*lead*) the U.S. automobile industry for many years.

## B

1. It is worth *to spend/spending* money on these new trucks.
2. I think there is no point in *use/using* this video system in the warehouse.
3. It would be nice to *test/testing* our new equipment on Monday.
4. The customer is interested in *receive/receiving* the cargo as soon as possible.
5. We are looking forward to *buy/buying* a new accounting program.
6. It's time to *upgrade/upgrading* this network.
7. It is necessary *to reduce/reducing* transit time.
8. We are used to *work/working* with a laptop PC.
9. Thank you for *inform/informing* us about an error in our December statement.
10. We are pleased *informing/to inform* you that your order has been dispatched by truck today.
11. Our company is interested in *order/ordering* five pallets of crisps.
12. Would you mind *to send/sending* me the order details?
13. To get customs clearance for your cargo you are required *to submit/submitting* some documents to the Customs Authorities.

## CONDITIONAL SENTENCES

**1. Translate the conditional sentences paying attention to the use of the conjunctions *if, in case, provided, unless*.**

## A

1. Toyota will have to push its gasoline hybrids hard if it wants to stay ahead.
2. If he wanted to manoeuvre the car further still, he could switch it off.
3. If we had less traffic jams and improved driving conditions it would improve fuel efficiency and further cut emissions of carbon dioxide, nitrogen oxides and particulates.
4. Headlight systems may use two or four lamps provided they

meet the illumination and position requirements. 5. You may make a right turn against a red light after you stop provided there is no sign prohibiting the turn and you yield to any pedestrians, bicyclists, and vehicles. 6. An immobilizer is an electronic security device fitted to an automobile that prevents the engine from running unless the correct key is present. 7. Always stay between the lines of your lane unless you are turning or changing lanes. 8. In case you're not satisfied with your vehicle, you can always sell it at a premium price to buyers looking for it. 9. In case all you did were not able to solve the problem, do not hesitate to take the car to a professional mechanic to have it fixed. 10. In case the engine generates heat faster compared to the previous trips, you can be sure that there must be something wrong with its cooling mechanism.

## **B**

1. If vehicles are to travel to or through a country with which an EU member state has no agreement, permission to operate in that country has to be sought direct from its transport authority. 2. If governments are not equipped to react quickly when automated vehicle technology is ready for use by consumers, that will be a challenge, and it has the possibility to delay consumer benefits from this technology. 3. If an indivisible load is carried on a normal vehicle which complies in all respects with the regulations and the load is more than 2.9 metres wide, two days' notice must be given to the police of every district through which it is to pass. 4. A vehicle must have a tachograph fitted unless the person presenting the vehicle for test claims that it is exempt from the tachograph regulations. 5. Cargo is generally not transported to a location unless a demand for the product exists. 6. Provided that consolidated freight consists of a mix of light and heavy cargoes, it is estimated that the average full payload is about 18 tonnes. 7. Third parties will offer services at a lower cost, provided there is enough competition in the supply market. 8. In case the packaging is used more than once, aluminium can be applied but for single trip usage it is cheaper and more efficient to use crates or boxes made of timber. 9. It is highly

recommended that each carton or unit of goods loaded on pallets be clearly marked to facilitate identification, in case a pallet is lost in transit. 10. The function of the purchase department is to develop alternate sources of supply so that materials can be purchased from them in case a particular supplier fails to supply the materials.

## CONJUNCTIONS

**1. Translate the following sentences paying attention to the conjunctions *since* and *once*.**

### A

1. Since the engine isn't running, fuel is not being burned. 2. Low tire pressure can cause wheel damage since the tire cannot absorb bumps as it should. 3. Since the brakes create heat as a byproduct of the friction necessary to slow the vehicle, the brake fluid must be able to reach high temperatures before it boils. 4. It should be easy to prevent most major coolant leaks since they usually occur when a hose fails. 5. Once you've determined the battery is bad and the charging system and the rest of the electrical system is good, it's time to install a new battery. 6. Once the engine has run for ten seconds, turn the engine off and check again for any signs of a leak. 7. Once the tire is mounted back onto the wheel, inflate the tire to the proper pressure. 8. Once you understand the basics of electricity and the basics of the main components, you'll be able to keep up with the changes in technology in the future. 9. Once a destination has been established, the GPS navigation device can integrate information and check whether some critical roads are included in the route.

### B

1. Countries differ in their use of logistics since they are at different stages of development with diversified cultural backgrounds. 2. Since transport and logistics are interrelated with inter-

national trade, sustainable economic development and global climate change, the policy framework should be seen in a much broader context. 3. Containerization offers safety by significantly reducing loss and damage, since the contents of a container cannot easily be modified except at origin or destination. 4. International logistics managers must have an extensive knowledge of different modes of transportation, since they manage the performance of international carriers and logistics intermediaries. 5. Distance has a major influence on transportation cost since it directly contributes to variable cost, such as labour, fuel and maintenance. 6. The ideal inventory process consists of manufacturing a product to a customer's specifications once an order is placed. 7. Once the needs of the user are understood, the next step is to find the best supplier possible. 8. Once we have decided how much to order, now we will look at the second question, when to order. 9. Once the trailer arrives in Lancaster, it will be unloaded, and all the freight destined to Philadelphia will be loaded into an outbound trailer. 10. Once we have already sent the items, we are unable to change the delivery address.

## 2. Translate the following sentences paying attention to the conjunctions in bold.

### A

1. In 1928 Ferdinand Porsche built an experimental hybrid car that used **both** an internal combustion engine **and** electric motors. 2. **Both** gasoline **and** diesel automotive engines are classified as four-stroke reciprocating internal-combustion engines. 3. Gasoline engines generally use **either** carburetion, in which the air and fuel is mixed before the air enters the cylinder, **or** port fuel injection, in which the fuel is injected just prior to the intake stroke. 4. Aston claims that it is the most fuel-efficient engine the company has produced, using variable valve timing for **both** inlet and exhaust cams **and** stop-start technology. 5. We were impressed with the smooth and responsive acceleration from the four-cylinder **as well as** the fuel economy. 6. Some hybrid electric vehicles can use the

internal combustion engine to generate electricity by spinning an electrical generator to **either** recharge the battery **or** directly feed power to an electric motor that drives the vehicle. 7. The Chevrolet Volt's thermal management system can also be powered during driving **either** by the battery **or** engine. 8. A six-speed manual transmission is now available in Honda Accord EX V6 sedans **as well as** coupes. 9. Fuel cell-powered cars are **neither** as fast **nor** as quiet as gasoline- or diesel-powered cars. 10. Mazda, a brand that sells **neither** hybrid **nor** electric cars tops the Environmental Protection Agency's list of most fuel-efficient automakers in the U.S. for 2014, with its models averaging 28.8 mpg. 11. Most modern diesel engines powering highway vehicles are turbocharged to produce a more favourable power-to-weight ratio, **as well as** better fuel efficiency and lower exhaust emissions. 12. Most automobile petrol engines, **as well as** many small engines used for non-automotive purposes, are naturally aspirated.

## **B**

1. The complexity of logistical processes and the high number of parties involved require strong efforts for information and communication **as well as** for controlling and documentation. 2. Since transportation vehicles and drivers must return to their origin, **either** they must find a load to bring back **or** the vehicle is returned empty. 3. In a free trade zone an enterprise can make its supply chain simple and efficient, **as well as** have access to a low cost and high quality logistics infrastructure. 4. Several countries suffer from insufficient specialized logistics knowledge **as well as** lack of more general awareness of the importance of logistics. 5. In **both** developed **and** developing countries, financial instruments available to governments for the development of infrastructure are still not sufficiently flexible or transparent to serve current needs. 6. Elective use of international transportation modes is now common in the personal computer industry, in which parts are transported **either** by air **or** sea, depending on the degree of added value. 7. Automatic positioning and navigation systems **as well as** real time order processing, routing

and scheduling systems are predicted to expand. 8. Containers are **either** made of steel **or** aluminum, the former being used for maritime transport and the latter for domestic transport. 9. Exporters can **either** prepare the export documents they are responsible for **or** choose to use the services of a forwarder. 10. These goods are kept within the warehouse until the retailer needs them, **either** to stock their shelves **or** to provide them directly to their customers. 11. Most operations in logistics need to be highly dynamic, as **both** demand **and** supply of goods and products regularly vary according to changes in customer requirements for new products. 12. For many logistics operations, **neither** the physical structure **nor** the associated processes are really capable of providing a suitable support mechanism for spare parts **as well as** for original equipment.

**3. Translate the following sentences paying attention to the conjunction *whether*.**

**A**

1. Whether you're driving with the roof opened or closed, you are always fully protected in the BMW Z4 Roadster. 2. The roadside equipment checks all vehicles and detects whether or not the cars that pass are equipped with on-board units. 3. The electric oil pump maintains consistent pressure within the transmission, whether the engine is running or not. 4. Sometimes when trying to determine whether there is an internal leak, the engine must be tested at different temperatures. 5. Whether the engine is running at low speed or at high speed, the same amount of time is required to burn the air-fuel mixture, 1–6 milliseconds depending on conditions. 6. An oil pressure indicator shows whether the oil pressure is being kept within the manufacturers' limits. 7. Anytime you are working on one of these vehicles, whether it's on the engine or the body or anywhere near the battery pack or cables, you need to take extra precautions. 8. Whether you own a new or used Lexus hybrid, that very expensive battery pack, the heart of Lexus Hybrid Drive, may be of concern to you.

## B

1. The buyer knows prior to placing an order whether the vendor has product available. 2. When making your choices, you will also need to decide whether to handle logistics by yourself, or outsource the work to a freight forwarder. 3. When shipping by truck, the size of your shipment will determine whether you need less- than-truckload (LTL) or truckload (TL) freight. 4. With this information, the transport manager knows at all times which goods have been picked up and delivered, and where, and whether extra people or vehicles will be needed to handle the flow. 5. Upon completion of the palletization, the warehouse management system checks whether the pallet weight is correct, in another control weighing. 6. When a container shipping company requires additional containers in its fleet, it needs to decide whether to buy or lease the containers. 7. How the per unit item cost is measured depends upon whether the item is one that is obtained from an external source of supply, or is one that is manufactured internally. 8. Whether the goods are commodities, component parts, or finished products, they can be transported by intermodal methods.

## EMPHATIC CONSTRUCTIONS

**1. Translate the sentences paying attention to the emphatic constructions *as much as* and *as early as*.**

## A

1. A hybrid vehicle can be as much as 20 per cent more expensive than its counterpart powered by a conventional gasoline engine. 2. In 1876, Otto made the first 4-stroke coal oil engine, which cut fuel consumption as much as 75% compared with contemporary engine. 3. Under-inflated tires can cause fuel consumption to increase by as much as 6%. 4. Air conditioning can reduce mileage significantly, by as much as 20 percent. 5. When the car decelerates or when the driver brakes, the front-drive engine cuts out and the



car's momentum spins up the flywheel, to as much as 60,000 rpm. 6. The earliest steam-powered car we know about was finished as early as 1769 by French inventor Nicolas Cugnot. 7. Steam had been used as early as 1769 to power a road vehicle. 8. Prof. Ferdinand Porsche was busy designing and developing his cars as early as 1896.

## B

1. Electronic Data Interchange (EDI) can be traced back to as early as 1971 when the Transportation Data Coordinating Committee established the first EDI standard to improve communication between transportation companies and shippers. 2. As early as 2012, shippers reported an average logistics cost reduction of 21% compared with other parts of the world. 3. However, in specific supply chains the transport and distribution of goods can account for as much as 25% of the cost of products. 4. Companies closely audit their freight invoices and payments, as market research indicates that as much as 30% of all freight invoices are incorrect. 5. Independent research shows that once a supply chain malfunction is announced, stock prices drop as much as 12% irrespective of who was at fault – the company, its suppliers or even its customers. 6. In the U.S. as much as 80% of the sea food consumed is imported. 7. As early as 1990, Dr. Sheffi states that transportation and warehousing, the two key logistics processes, are subject to considerable outsourcing activities. 8. As early as 1985, a U.S. company called ETAK introduced its own digital map navigation system with a geographically limited effective range.

**2. Translate the sentences paying attention to the emphatic constructions in bold.**

## A

1. While Edison is credited with inventing the first light bulb, **it was** Tesla **who** developed the first AC induction motor and AC power. 2. **It was** Carl Benz **who** had the double-pivot steering system patented in 1893, thereby solving one of the most urgent problems

of the automobile. 3. **It was** Henry Ford **who** started producing cars on an assembly line. 4. Although the first car was created in 1885, **it was not until** 1901 **that** the brake was invented. 5. Engineer Frank Whittle proposed the idea for jet aircraft in 1928, but **it was not until** 1937 **that** he built the first successful jet engine. 6. **It was not until** 1945 **that** a turbocharger was fitted to a production heavy vehicle diesel engine by the Swiss firm, and **not until** 1962 **that** one was fitted to a production passenger car engine by General Motors in America. 7. **It was not until** 1926 **that** the number of car owners in Great Britain exceeded the number of persons who had owned horse-drawn carriages. 8. **It was not until** 1927, when General Motors hired designer Harley Earl, **that** automotive styling and design became important to American automobile manufacturers.

## B

1. **It was** FedEx **that** pioneered both overnight delivery of packages and the ability to track their journey using computers. 2. **It was** DHL **that** pioneered express international air delivery services. 3. **It was** George Raymond & Bill House **who** were the first to patent a design for a pallet constructed from inexpensive wood. 4. **It is not until** the early 19th century **that** the first real rail transportation systems came into existence. 5. While references to supply chain management can be traced to the 1980s, **it was not until** the 1990s **that** supply chains captured the attention of senior level management in major organizations. 6. **It was not until** the 1960's **that** electric cars and trucks were seriously reconsidered as an alternative to the noise and air pollution of the millions of cars on the road. 7. Although many may attribute the term *supply chain* to Chrysler Corporation in the early 1980s, **it was not until** the mid-1990s **that** the term *supply chain management* came into fashion. 8. **It was not until** Ford introduced the supply chain mass production method to dramatically decrease the cost and time **that** his Model T became readily available for purchase at an affordable price to more people.

**3. Translate the sentences paying attention to the double negation in bold.**

**A**

1. It is **not unusual** to find silica (sand) in the crankcase of new automobile engines. 2. It is **not unusual** for automobile enthusiasts to want to increase the power of the engine in their automobiles. 3. It is **not unusual** for an automobile engine to shut down from overheating – especially during the hotter months. 4. An old engine may be difficult to get started, but it is **not impossible**. 5. Rebuilding an alternator at home is difficult and takes a lot of time, but **not impossible**. 6. Because hybrid cars are still not ordinary, buying spare parts may be very hard, if **not impossible**. 7. **Not infrequently**, an automobile operator is burned by hot water escaping from the radiator of an overheated engine and this is particularly a significant problem with regard to service station. 8. The drivers of trucks and taxicabs **not infrequently** suffer mild intoxication from exhaust gases, and occasional fatal episodes of carbon monoxide poisoning have occurred in drivers of such vehicles.

**B**

1. It is **not unusual** for a returnable container to have a five-year useful life cycle. 2. It is **not unusual** to exceed a facility's standard capacity during peak season. 3. It is **not unusual** for payments to be requested from large suppliers within 30 days, whereas some large customers do not pay for up to 120 days. 4. Today, it's difficult, if **not impossible**, for an importer to build a one million square foot distribution center much closer than 90–100 miles from Long Beach, a port in southwestern California. 5. With processed foods that are made of many different ingredients, it is very complicated, though **not impossible**, to calculate the CO<sub>2</sub> emissions from transport by multiplying the distance travelled of each ingredient, by the carbon intensity of the mode of transport (air, road or rail). 6. It is very expensive, if **not impossible**, to locate a plant or warehouse in the middle of a major metropolitan area. 7. Transportation has a significant impact within the food

and beverage sector because food is often shipped long distances and **not infrequently** via air. 8. It is **not infrequently** that before shipping cargo needs additional processing, i.e. sorting, weighing, marking, packing, palletizing.

## PREPOSITIONS

1. Translate the following sentences paying attention to the prepositions in bold.

### A

1. **Despite** having an on/off switch for the driver, the electronic stability control (ESC) in the Focus RS is never fully deactivated. 2. **Despite** the popularity of SUVs and CUVs, nothing beats a minivan for its combination of interior flexibility, passenger comfort and fuel efficiency. 3. Possibly the greatest waste of money experienced by motorists is having to replace the tires **because of** uneven and unnecessary wear on tires. 4. It is strongly recommended that you replace spark plugs on a regular basis **according to** the mileage and spark plug type. 5. Brake fluid can be irritating to the skin and eyes; **in case of** contact, wash skin with soap and rinse eyes thoroughly with water. 6. Methanol-based anti-freeze is also used but has the disadvantage of losing its anti-freeze effect **due to** evaporation. 7. If the fuel system is properly maintained **in accordance with** the manufacturer's recommendation, problems with the fuel system should be a rare occurrence. 8. **In spite of** the impressive 12.8 liter displacement, the engine is characterized by exceptionally low fuel consumption. 9. Hybrids will never be true zero-emission vehicles, however, **because of** their internal combustion engine. 10. Hybrid electric vehicles can be classified **according to** the way in which power is supplied to the drivetrain.

### B

1. Little progress has been made in achieving compatibility for the tracking, tracing and monitoring of intermodal transport flows,

**despite** experiments undertaken in this field. 2. After manufacture, product is shipped to Zara's various stores **according to** a fixed distribution schedule. 3. **Because of** the risk of late delivery, out-sourcers sometimes insist that the supplier holds buffer stock. 4. Managing supply chains effectively is a complex task, **due to** the current business trends of expanding product variety, short product life cycles, and continuous advances in information technology. 5. It doesn't make sense to ship these products to the Asian market **due to** high transportation costs, high duties to China and so on. 6. It is always wise to have an alternate supplier in the same country or in another country **in case of** the unexpected order. 7. **In spite of** its low cost and energy efficiency, barge transportation in the United States has been a subject of criticism by environmentalists. 8. Today the role of cargo securing is even emphasized, **because of** increased international transport **owing to** increased international trade. 9. **Despite** being delayed, the consignment arrived on time. 10. In global companies there is a tendency to see order lead times increase and inventory levels rise **because of** the distances involved and the complexity of logistics. 11. **In spite of** being well secured, the load was damaged on arrival. 12. Please find attached our quotation for three new products **according to** your request. 13. Delivery will be made **within** 6 days of receipt of purchase order.

## Verb tenses

Вид / Время	<b>Simple (Indefinite)</b> Обычное повторяющееся действие, констатация факта		<b>Continuous (Progressive)</b> Действие продолженное; происходит в определенный период времени		<b>Perfect</b> Действие совершенное, имеется результат действия		<b>Perfect Continuous</b> Действие, начавшееся в прошлом и продолжающееся до какого-либо момента
	active	passive	active	passive	active	passive	active
Present	V <sub>0</sub> (s) do } does } + V <sub>0</sub> ? don't } doesn't } + V <sub>0</sub>	am } is } + V <sub>ed</sub> are } или V <sub>3ф.</sub>	am } is } + V <sub>ing</sub> are }	am } is } + being are } + V <sub>ed</sub> или V <sub>3ф.</sub>	have } has } V <sub>ed</sub> или V <sub>3ф.</sub>	have } has } been + V <sub>ed</sub> или V <sub>3ф.</sub>	have } has } been + V <sub>ing</sub>
Past	V <sub>ed</sub> или V <sub>2ф.</sub> did + V <sub>0</sub> ? didn't + V <sub>0</sub>	was } were } V <sub>ed</sub> или V <sub>3ф.</sub>	was } were } V <sub>ing</sub>	was } were } being + V <sub>ed</sub> или V <sub>3ф.</sub>	had } had } + V <sub>ed</sub> или V <sub>3ф.</sub>	had } had } been + V <sub>ed</sub> или V <sub>3ф.</sub>	had } had } been + V <sub>ing</sub>
Future	will + V <sub>0</sub> will not + V <sub>0</sub>	will + be + V <sub>ed</sub> или V <sub>3ф.</sub>	will + be + V <sub>ing</sub>	_____	will + have + V <sub>ed</sub> или V <sub>3ф.</sub>	will + have been + V <sub>ed</sub> или V <sub>3ф.</sub>	will + have been + V <sub>ing</sub>

V<sub>0</sub> – verb (инфинитив глагола); V<sub>ed</sub> – глагол правильной формы с окончанием ed; V<sub>2ф.</sub> – Past Simple (вторая форма неправильного глагола); V<sub>3ф.</sub> – Past Participle (третья форма неправильного глагола).

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FOR AUTOMOTIVE STUDENTS**

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