

Technical English - Master's

EXAM PRACTICE

1) Circle the correct option:

Two different crash test dummies (1) USE/ARE USED in standard European vehicle crash test. The first dummy (2) USE/IS USED for front impact crashes, and the second one is a side impact crash dummy. The dummies, which (3) MAKE/ARE MADE of steel, aluminum and rubber, (4) CONTAIN/ARE CONTAINED many sensors. Three types of sensing equipment (4) USE/ARE USED: acceleration sensors, lead sensors and motion sensors. The dummy head (5) CONTAINS/ IS CONTAINED three accelerometers which (6) SET/ARE SET at right angles. In addition, a front impact crash test dummy (6) HAS/ HAVE steel ribs fitted with motion sensors which (7) RECORD/ARE RECORDED front rib movement.

2) Fill in using the given words. One word is EXTRA so you do not need to use it.

wheel-gun, ignition, frame, installed, cloth, unscrew, load, derrick man, pressure

1. You must loosen the nuts with the _____.
2. Please, check the air _____ in the tyres.
3. Always use a clean _____ to clean the visor.
4. Thin metal sheets are welded together to a _____.
5. The electrical wiring must be carefully _____.
6. To check the amount of liquid, _____ the cap on the reservoir first.
7. The process of starting the combustion of fuel in the cylinders of an internal combustion engine is called _____.
8. A _____ is a technician who works in the drill crew.

3) Fill in using the given words:

broke, crushed, spill, torn, installed

1. Be careful not to _____ the coffee on the table.
2. A van drove into the back of my car and the bumper got _____.
3. The documents with the instructions were _____ so he had to print a new one.
4. They _____ the handle of my suitcase at the airport.

5. They _____ over half the cables in the train tunnel last month.

4) Write the opposite:

1. put together _____

2. raise _____

3. audio _____

4. old _____

5. recharge _____

6. screw _____

5) Make questions for the given answers:

1. Ben got a shock because he touched an earthed live wire.

2. Metal is heated to make it softer.

3. The first mass-produced pencils were made in Germany about 2200 years ago.

4. The smoke detectors are installed in most buildings to warn people of fire.

5. I am writing an email to the customer service.

6) Reading comprehension. Read the text and answer the true or false questions below.

What is GPS?

GPS stands for the Global Positioning System. It can tell you precise location anywhere on the Earth to within 6 metres. A group of 24 or more satellites orbit the Earth at an altitude of 11,000 miles. Every 12 hours, a satellite makes an orbit, or one complete cycle in space around the Earth. The satellites transmit signals to receivers on the ground. The user has a GPS receiver which detects the signals from the satellites and calculates their distance from the receiver. Receivers can be held in your hand or mounted in a vehicle, such as a car or a ship. A hand-held receiver is about the size of a mobile phone, but the newer models are even smaller.

- a) GPS is a device which gives information about places on the Earth. _____
- b) A satellite needs a half a day to make an orbit. _____
- c) Signals are transmitted from the receivers to satellites. _____
- d) Receivers are made in many sizes. _____
- e) Receivers can only be used in cars or other vehicles. _____

7) Fill in the gaps using ONE word only to complete the definitions:

- a) When you tighten a screw, it _____ clockwise.
- b) The antenna on a mobile phone _____ radio signals.
- c) This musical website allows you to _____ music.
- d) An ammeter is a device which measures electric _____.

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Fill in using the given words. One word is EXTRA so you do not need to use it.

wheel-gun, ignition, frame, installed, cloth, unscrew, load, derrick man, pressure

You must loosen the nuts with the **__wheel-gun__**.

Please, check the air **__pressure__** in the tyres.

Always use a clean **__cloth__** to clean the visor.

Thin metal sheets are welded together to a **_frame_**.

The electrical wiring must be carefully **__installed__**.

To check the amount of liquid, **__unscrew__** the cap on the reservoir first.

The process of starting the combustion of fuel in the cylinders of an internal combustion engine is called **__ignition__**.

A **__derrick man__** is a technician who works in the drill crew.

Fill in using the given words:

broke, crushed, spill, torn, installed

Be careful not to **__spill__** the coffee on the table.

A van drove into the back of my car and the bumper got **__crushed__**.

The documents with the instructions were **__torn__** so he had to print a new one.

They **__broke__** the handle of my suitcase at the airport.

They __installed__ over half the cables in the train tunnel last month.

Write the opposite:

put together __dismantle__

raise __lower__

audio __video__

old __new__

recharge __empty__

screw __unscrew__

Make questions for the given answers:

Ben got a shock because he touched an earthed live wire.

Who got a shock? Why did Ben get a shock? Why did Ben get a shock?

Metal is heated to make it softer.

What is heated to make it softer? Why is metal heated?

The first mass-produced pencils were made in Germany about 2200 years ago.

_Where were the first mass-produced pencils made? When were the first mass-produced pencils made? What was produced in Germany 2200 years ago.

The smoke detectors are installed in most buildings to warn people of fire.

What is installed in most buildings? Why are smoke detectors installed in most buildings? Where are the smoke detectors installed?

I am writing an email to the customer service.

What am I writing? Why am I writing an email? Who am I writing an email to?

Reading comprehension. Read the text and answer the true or false questions below.

What is GPS?

GPS stands for the Global Positioning System. It can tell you precise location anywhere on the Earth to within 6 metres. A group of 24 or more satellites orbit the Earth at an altitude of 11,000 miles. Every 12 hours, a satellite makes an orbit, or one complete cycle in space around the Earth. The satellites transmit signals to receivers on the ground. The user has a GPS receiver which detects the

signals from the satellites and calculates their distance from the receiver. Receivers can be held in your hand or mounted in a vehicle, such as a car or a ship. A hand-held receiver is about the size of a mobile phone, but the newer models are even smaller.

GPS is a device which gives information about places on the Earth. ____TRUE____

A satellite needs a half a day to make an orbit. ____TRUE____

Signals are transmitted from the receivers to satellites. ____FALSE____

Receivers are made in many sizes. ____TRUE____

Receivers can only be used in cars or other vehicles. ____FALSE____

7) Fill in the gaps using ONE word only to complete the definitions:

a) When you tighten a screw, it ____rotates (moves, goes)____ clockwise.

b)The antenna on a mobile phone __transmits (sends)____ radio signals.

c) This musical website allows you to ____download (buy, purchase)____ music.

d) An ammeter is a device which measures electric __current____.