

DT/ SCIENCES ET TECHNIQUES INDUSTRIELLES

EPREUVES THEORIQUES

EPREUVE : ANGLAIS (toutes spécialités)**DUREE : 2 H****COEF : 2****S U J E T**I- Linguistic competenceA- Put the verbs in brackets into the correct tense and form

- 1- It is ten days since I (not to use) these tools.
- 2- You (to solve) the problem yet?
- 3- Before (to start) the engine, take the required spanners.
- 4- If the carpenter (to cut) the wood, he would have made the stool.

B- Match the words in column A with the definitions in column B (Use numbers and letters only)

Column A	Column B
1- Scaffolding	a- It is used to fix nails into wood.
2- Spanner	b- It is used as support for paper when drawing.
3- Hammer	c- It is used for tightening or loosening bolts or nuts.
4- Ladder	d- It is used by mason to stand on when building high up.
5- Drawing board	e- A piece of equipment for climbing up and down.

C- Choose the correct words to fill in the blanks

- 1- The masons have been working here.....two months now. (since-for- ago)
- 2- There are ten students in the workshop,.....? (aren't they-aren't there - are they)
- 3- Plumbers don't repair lamps;carpenters (so do - neither do - nor did)
- 4- After my success, I'll go to U.K. (a - the - an)

(Turn to)

II- Reading comprehension

Read the following text and then answer the questions on it.

Text: Build a House

The choice of building materials is primarily based on availability, cost-effectiveness for building projects. The manufacture of building materials is a huge global industry and the use of building materials is typically segmented into specialty trades such as plumbing, carpentry, insulation work and roofing.

Wood is both a historical and common choice as a building material. Although there has been a recent shift towards other engineered products, wood has various natural advantages. It's very lightweight and easy to cut compared to steel, for example. Disadvantages of wood as a building material include susceptibility to fire, water damage, termites and decay.

Plastics are very popular in the construction industry mainly because their different properties make them fit for most uses. Plastics are less expensive than most other materials. They are also lightweight and have a high resistance to corrosion, making them the most common to make water pipes. One disadvantage of plastics is they are not biodegradable.

Metal is used as a structural framework for skyscrapers and larger buildings, or as an external surface covering. Aluminium and steel alloys constitute the larger share of metals used in construction. Benefits of metal include their strength and durability, resistance to fire and ability to withstand adverse climatic conditions. Cement is the most common binder in construction. It's highly resilient and improves the overall structural integrity of a building. It's easily manufactured and a longer warming/cooling cycle makes it better at accumulating heat.

Carmel Homes Design Group, LLC (2020), *List of materials used to build a house.*

Questions

A- Are these statements True or False?

- 1- To choose building materials cost is important.
- 2- In building industry, materials are selected according to each specialty.
- 3- Plastics are seldom used in building a house.

(Turn to)

- 4- Frameworks are made in metal when building larger houses.
- 5- Cement is useless in the field of construction.

B- Answer these questions on the text

- 1- What is the natural advantage of wood using in house building?
- 2- List four materials used in building from the text.
- 3- Which metals are largely used in construction?

C- Find the synonyms of the following words in the text

- 1- Mainly (paragraph 1).
- 2- For instance (paragraph 2).
- 3- Building (paragraph 3).
- 4- Power (paragraph 4).

III- Writing: complete the following paragraph with the words from the list:

foundations – power tools – water – scaffolding – excavator – architect.

Before a mason starts building a house, an ...1... should design the building plan first. Then the workers will dig the...2... Bricks and blocks are available, sand, cement, grit, gravel and ...3... are needed to make mortar and concrete. In building, hand tools and ...4... like concrete mixer and ...5... are used. When walls are high, builders use ...6... to stand on it.

GOOD LUCK !