

DT/ SCIENCES ET TECHNIQUES INDUSTRIELLES

EPREUVES THEORIQUES

EPREUVE : ANGLAIS (toutes spécialités)

DUREE : 2 H

COEF : 2

S U J E T

I- Linguistic competence

A- Put the verbs in brackets into their correct tense and form

- 1- The plumber (to repair) the pipe two days ago.
- 2- If the carpenter had repaired the porch, my father (to give) him money.
- 3- By the time he comes, they (to close) the workshop.
- 4- After they (to finish) their exam last month, they left for Accra.

B- Rephrase each of the following sentences by using the given prompts

- 1- I haven't driven my car for two weeks now.
- It is.....
- 2- If I had had money I would have gone to America.
- Had.....
- 3- The mechanic repaired the car yesterday?
- The car.....
- 4- "The architect drew the building plan yesterday,"my father said.
- My father said

C- Match the words in column A with their meanings in column B

| Column A | Column B |
|-----------------|---|
| 1- A switch | a- enable masons to work as they build up high walls |
| 2- Scaffoldings | b- a machine that shapes pieces of wood or metal by holding and turning them against a fixed cutting tool |
| 3- lathes | c- is used to hold an object firmly while work is done on it |
| 4- vice | d- is used for putting the light on or off |

(Turn to)

II-Reading comprehension

Text: Process of house building

When it comes to construction, few people know the basic steps of the house building process. Most of the tasks are executed by a general contractor, who hires and coordinates independent workers such as subcontractors. They include electricians, plumbers, masons, carpenters and so on. So, for a future homeowner, it's important to have an idea of the construction process so that you can decide which works to tackle by yourself and save money. This guide outlines the basic steps of building a house. One of the first basic steps of a house building starts with the design. For that, you need an architect. Then an approval is required by relevant legislation to ensure the project complies with building laws, including the Building Code of the country.

The site preparation is one of the preliminary works before starting a construction project. It consists of removing all obstacles including trees, shrubs, old underground infrastructures, or anything that may affect the process. The site should be in a very clean condition. After that comes pouring the foundation. The foundation is the lower portion of the building structure that transfers its gravity loads to the earth. And knowing how to build a house foundation is crucial in any construction process. Indeed, it is the most important element when building a house, as it will support the weight of the walls, roof and the rest of the structure. Now it's time for the framing, which consists of putting together all pieces to give structural support and shape. Framing materials are usually wood or structural steel. Then come the roofing and siding stages. The siding can be made of wood, metal or plastic (vinyl), masonry, or composite materials. It's a product utilized as the exterior wall covering on a house.

After the framing and before applying the drywall to the walls, it's the stage to do the rough-in work especially for electrical outlets, telephone and TV connections, lighting fixtures, plumbing pipes, HVAC systems and so on. Drywall is one of the construction materials for producing flat walls and other important surfaces. Insulation in a house building process is for thermal purposes. It acts as a barrier to heat flow and is essential for keeping your home warm. Finally, trim is the last stage of a construction process before decorating. Fixing all plugs, switches, light fixtures, smoke detectors, bath ventilation fans, wires the furnace, and then the painting and the complete exterior landscaping.

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Questions

A- Say whether these statements are "true" or "false" according to the text. Write the number and answer only

(Turn to)

- 1- Electricians and plumbers hire a general contractor when building a house.
- 2- House building starts with the roof.
- 3- The architect designs the house.
- 4- Framing materials are plastic objects.

B- Answer these questions on the text

- 1- Why is the house foundation the most important element in house building?
- 2- What does the framing consist of?
- 3- What is the siding made of?

C- Find in the text words having the same or nearly the same meaning as the following

- 1- Comprise (paragraph 1)
- 2- Fundamental (paragraph 1)
- 3- Part (paragraph 2)
- 4- Level (paragraph 3)

III- Writing

Do you think that people need an architect before building a house? Justify your opinion.

GOOD LUCK!