

Correction of the 4 year students (electrical engineering)

Part one:

1/ say whether the following statements are true or false (3pts)

A/false B/false C/false

2/find in the text words that are close/ opposite in meaning to the following words (3pts)

Perplexing=complex disband=solve.

Avoid=bypass plain=/=complex

Retreating=/=advances inceptions=/=conclusions

1/ translate the following words in English/ Arabic (4pts)

A/ carrier waves موجات حاملة

B/ pulse amplitude سعة النبض

مقاومة مضاعفة multiplier resistance

مقوم موجة كاملة full wave rectifier

2/cross the odd word if there is (2pts)

A/ electricity: conductivity- grid- voltage (there is not)

B/ energy: power- dynamism- force (there is not)

3/choose the right names to the following tools (2pts: coax connector, level, box cutter, cable ties-fish tape)

A/ box cutter is used to disconnect the electrical tap.

B/level is used to install fixtures with precision.

C/cable ties are used to bind wires and cables

D coax connector is used to protect cables from shredding.

Part three:

1/ fill in the gaps using the right word (6pts)

1Load-4 fluctuations- 2current- 6transistor- 3resistance- 5amplifiers

Correction of the 4 year students (civil engineering)

Part one:

1/ true/ false (4pts)

a/true

b/ true

c/false

d/true

2/ answering the questions from the text (2pts)

a/ the common material used in concrete is Portland cement

b/ no, we can't.

3/ synonyms/ opposites (2pts)

Proportion=ratio

insufficient=/=adequate

Stiffens=hardens particular=/=various

Part two

1/name two of the surveying equipments? And say why do we use them? (2pts)

Compasses and clinometers, Transits and theodolites, levels, Prisms and reflectors, Chains and tapes, Prisms and reflectors, Magnetic locators, Grade rods. They are used to measure areas of both land and water

2/ name the different types of ceramics? And explain each type? (2pts)

traditional ceramics and advanced ceramics.

traditional ceramics are made using natural materials, such as feldspar, quartz, or clay, advanced ceramics are made using synthetic powders: such as aluminium oxide

3/ what are the characteristics of a good concrete? (2pts)

1/strength 2/durability 3/resistance to heat or radiation 4/workability

4/ give the right function to the following tools (2pts)

A/measuring wheel: this tool is used to measure lengths.

B/bump cutter: used to level and smoothen the concrete

C/compactors: road rollers a motor vehicle with a heavy roller used in road making.

D/ tippers: is a heavy duty truck chassis fitted with an open-top body, used for carrying aggregate, crushed rock, soil and other bulk materials to and from construction sites.

Part three:

Fill in the gaps using the right word (4pts)

1/Construction -8/ performance- 6/soil-5/ geological- 2/infrastructure-4/ behavior- 7/earth-
3/discipline