

Baghdad university  
Engineering college  
Civil Engineering Dept.

Technical English  
Language

05-26-2013  
Time:3hrs.

**Answer four questions**

**Q:1 Choose the letter of the correct answer for five of the following;**

**1-Impirical information is:**

- A- An occupation
- B- Data based on observation and experience
- C- Putting data into exact mathematical terms

**2- Cloverleaf interchange is:**

- A- An earth moving machine
- B- Public transportation system
- c- An intersection between two roads

**3-Surveyor Level is:**

- A - device 66 feet long
- b- A device for measuring elevations
- c- A system for measuring angles

**4-Curtain wall is:**

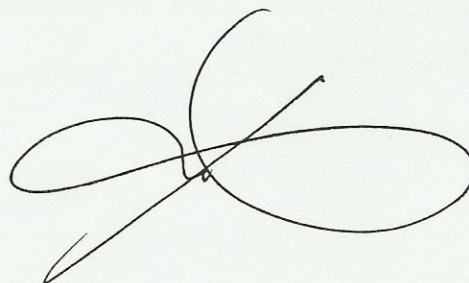
- A-A union between two materials
- B- A wall supported by a steel or concrete structure
- c-A wall does not have any support function itself

**5-Ballast is:**

- A-Pieces of timber
- B-Crushed rock
- C-Earth moving machine

**6- Bond is;**

- A-A tendency to break
- B-Sand transported by water
- C-A union between two materials



**Q:2 Read the paragraph then answer the related questions:**

The principle construction materials of earlier times were wood and masonry-brick, stone ,or tile and similar materials. The courses or layers were bond together with mortar or bitumen ,a tarlike substance, or some other binding agent. The Greek and Romans sometimes used iron rods or clamps to strengthen their buildings. The columns of the Parthenon in Athens, for example ,have holes drilled in them for iron bars that have now rusted away. The Romans also used a natural cement called pozzolana ,made from volcanic ash, that became as hard as stone under water.

- 1-What were the principal construction materials of earlier times?
- 2-How did the Greeks and Romans use iron? Give an example.
- 3-What kind of cement did the Romans use?

**Q:3 Fill in the blanks with the suitable words from the following:**

Bench mark-high speed-shapes-willing-geodetic

- 1-Engineers must be .....to undergo a continual process of education.
- 2-There are two kinds of surveying ,plane surveying and .....surveying.
- 3-Prestressed concrete has made it possible to develop buildings with unusual ..... .
- 4-Traffic engineering is the design of highway for.....and heavy –volume traffic.
- 5- A point whose elevation has been previously determined is a..... .

**Q4 Write true or false:**

- 1-Civil engineering is a branch of engineering that deals with the processes that result from breaking up particles of matter.
- 2-Stadia is the plural of stadion.
- 3- Vacuum is a space from which most of the air and other substances have been removed.
- 4-Runway is pressing down to make sand or soil denser.
- 5-Shear is the force that presses two or more materials together.

**Q:5 Define five of the following:**

Live load-Theodolite-steel-silt-quantification-contour lines-footing-engineering.

# The answers

(1)

Q: 1

1. B
2. C
3. B
4. C
5. B
6. C

Q: 2

1 - Masonry - brick, stone, tile, wood, iron rods  
bitumen, pozzolana.

Q: 3

- 1 - willing
- 2 - aodetic
- 3 - shapes
- 4 - high speed
- 5 - Benchmark

Q: 4 - F

- 2 - T
- 3 - T
- 4 - F
- 5 - F

Q: 5 live load: The weight that will added to a structure as a result of its use.

Theodolites Instrument for measuring angles,  
vertical & Horizontal angles

steel: an alloy or mixture of iron with carbon,  
that transferred from one location

(2)

Quantification: putting data into exact mathematical terms.

Contour lines: lines on the map indicating to the heights of points which have same elevations.

Footing: The surface on which Foundation rests.

Engineering: The practical application of the findings of theoretical science so that they can be put to work for the benefit of mankind.