

### QUESTION 3

- 3.1 Define the following terms as stipulated in the General Safety Regulations, 1986, as amended:
- 3.1.1 Confined space
- 3.1.2 Flammable liquid (2 x 1) (2)
- 3.2 Flammable liquids are used in your factory and you made sure that the flammable liquid store is constructed such that it is ventilated to the open air in such a manner that vapour cannot accumulate inside the store.
- Name the TWO other requirements the construction of the flammable liquid store has to comply with. (2)
- 3.3 You have to carry out repairs to equipment installed in a confined space which will take two technicians at least four hours to complete.
- 3.3.1 Name TWO steps you have to take before you may allow the technicians to enter and work in the confined space. (2)
- 3.3.2 What other steps must you implement before you may allow the technicians to enter and work in a confined space where the steps in QUESTION 3.3.1 cannot be complied with? (2)
- 3.4 Name FOUR conditions you have to comply with when you build a stack which consists of successive tiers, one on top of the other. (2)
- [10]**

- General Safety Regulations

#### Q 3.1 Definitions

#### Q 3.2

- 4.2 (a)** no fire or explosion hazard is, can or may be created thereat;  
**(c)** no other workplace can or may be contaminated by such vapour.

#### Q 3.3.1

**5 (1)** An employer or a user of machinery shall take steps to ensure that a confined space is entered by an employee or other person only after the air therein has been tested and evaluated by a person who is competent to pronounce on the safety thereof, and who has certified in writing that the confined space is safe and will remain safe while any person is in the confined space, taking into account the nature and duration of the work to be performed therein.

#### Q 3.3.2

#### **5.(2)**

(a) the confined space is purged and ventilated to provide a safe atmosphere therein and measures necessary to maintain a safe atmosphere therein have been taken; and

(b) the confined space has been isolated from all pipes, ducts and other communicating openings by means of effective blanking other than the shutting or locking of a valve or a cock, or, if this is not practicable, only when all valves and cocks which are a potential