Fayoum University Faculty of Engineering Industrial Engineering Department



Term Exam 1st yea Machine Drawing Jan. 2010, Time: 3 Hrs

FUEL INJECTOR

The attached sheet shows the various parts of a FUEL INJECTOR of industrial furnace. The nozzle (2) is assembled into the bore of the bore (1) and secured in position by a locking nut (3). The pipe connection (4 assembled to the nozzle body by sliding freely from the free end of nozzle body. It is held in position by a sealing bushing (5) and a lock nut (6).

Work Required:

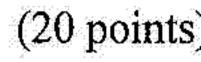
I-Draw to a suitable scale:

- (a) Sectional Elevation
- (b) Half Sectional Side View

(30 points) (20 points)



Complete Top View.



(15 Points)

(5 Points)

II- Complete Working Drawing for the NOZZLE (Part No. (2)).

III- Include a tabulated part list in your answer sheet.

Good Luck

