**Term 2 - 2022**

**DRAWING & DESIGN (449/1)**

**FORM FOUR (4)**

**PAPER 1**

**Time: 2½ Hours**

**MARKING SCHEME**

1 (a) Architect He produces designs in form of sketches. He is a client representative on site

 Draughtsman he produces accurate working drainage to be used. He works on sketches produced in a designer

 (b) (i) BLADE: should not be in contacts with heavy objects suspend it and work with cloth.

(ii) STOCK –Take care not to have a loose stock tighten the screw or assemble it to form 900

2. (a) LOCATING CENTRES OF (i) Dividing drawing into equal or symmetrical parts.

 (ii) indicating Arcs.

 Fig 1

 (b) (i) Straight Knurting (ii) Hardcore (iii) Centerline (iv) Two way Switch

   

3 (a) Restriction is a factor which limits the freedom of choice e.g. of materials methods sizes e.t.v

 Prototype a scaled model which reveals design problems not anticipated or forseen during the stages

(b)

 

4.

Bronze 5 (a) (i) Soft solder 5 (a) ii Brass 5 (a) iii

In and copper and will Tin and lend copper and zinc

quantities of zinc



5 (b)
Figure 4

Double mortice and tenon joint stopped housing joint

6 (a) 6. (b)



7, Plain scale



8 (a)



8 (b)



9. 

10.

 

11. 

12





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