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AND DESIGN (449)

4.21.1 drawing and design Paper 1 (449/1)

- 1. (a) Size should be standard
 - White colour / good colour for contract / colour
 - Texture/good quality
 - Paper gauge/thickness
 - Ink must not run on it/ blooting factor
 - The edges should be perpendicular to each other

any $4 \times 1 = 2 \text{ marks}$

- (b) (i) Ao 1188 x 840
 - (ii) A₃ 420 x 297

 $2 \times 1 = 2 \text{ marks}$

- (c) maintain right angle between blade and stock
 - maintain straightness of blade edge
 - store such that the blade is in a vertical position
 - avoid dropping or storing in direct sunlight
 - Only use it for the intended purpose

any $2 \times 1 = 2 \text{ marks}$

- 2. (a) word processing draw plus
 - corel draw
 Archi-CAD
 Auto-CAD
 Paint
 sketch up
 punch card
 Inviscape
 Real draw
 - Mat lab Auto desk
 - Adobe any 6 x $_{2,1} = 3$ marks
 - (b) Definition
 - Mock-up is a scale model of the finished work made in any suitable material.
 Purpose Mock-up is made and tested to find out weather or not the design is satisfactory
 - Imperfection not seen when drawing may show up clearly in a mock-up

Definition - 1

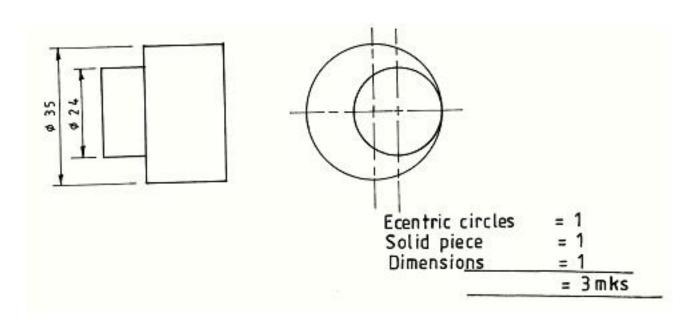
Purpose - 1 (2 marks)

- 3. Ferrous e.g steel
 - Nonferrous e.g copper, level, aluminium, silver, gold
 - Alloys eg. brass, bronze solder

Naming 3 x $_2 =$ $1\frac{1}{2}$ Examples 3 x $_2 =$ $1\frac{1}{2}$

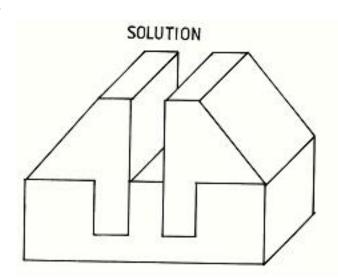
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- 4. (a) (i) A = $45 \times 2 = 90$
 - (ii) Angle = 25°
 - (i) Measuring 1 Tabulation - 1
 - (ii) Angle 1 (3 marks)



- 5. (a) Fixed assets are properties e.g buildings, machines, and other equipment or facilities that have monetary value. 1 mark
 - (b) Deficit is the amount by which expenditure is greater than income. 1 mark
 - (c) Liabilities is financial obligation 1 mark

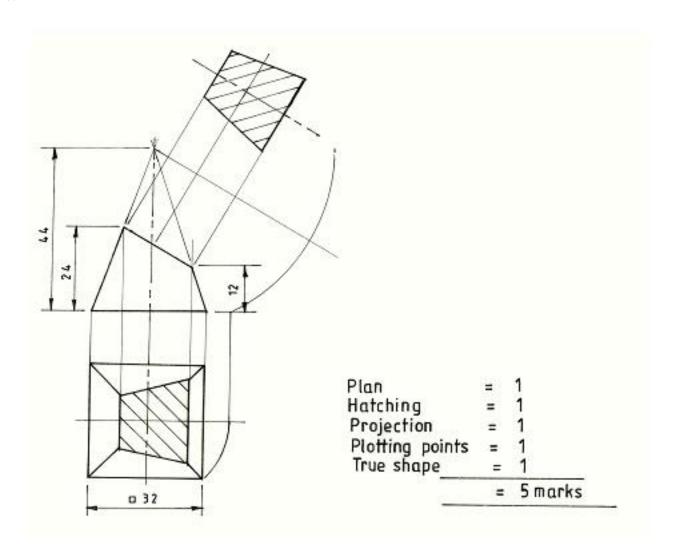
6.

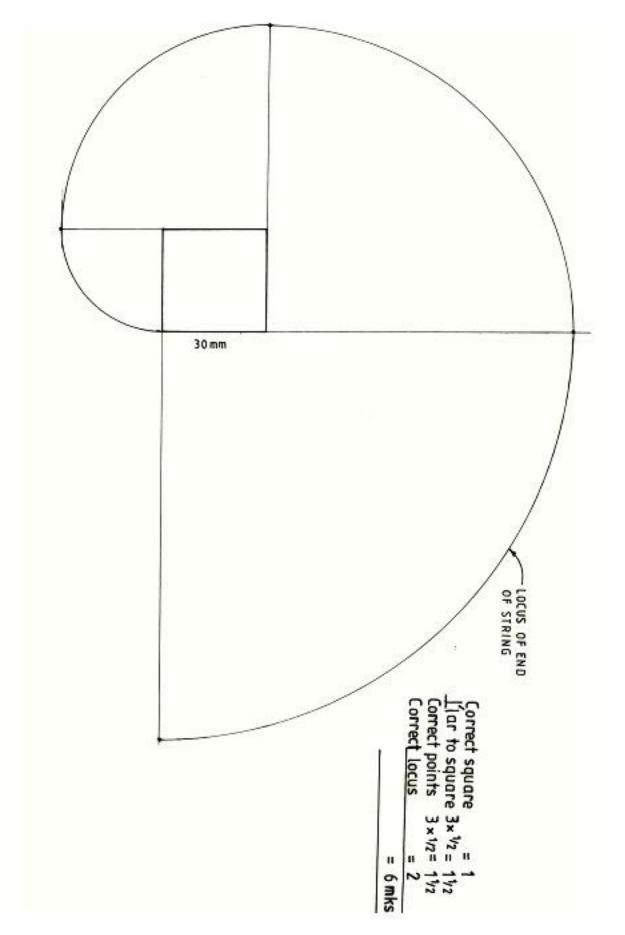


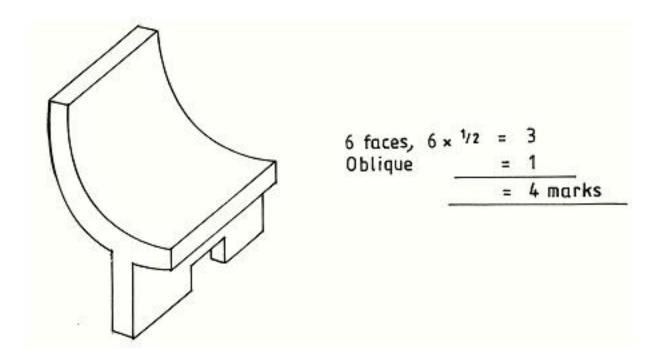
7 faces,
$$7 \times ^{1/2} = 3^{1/2}$$

Assembly $2 \times 1 = 2$
O blique $= \frac{1}{2}$
 $= 6 \text{ marks}$

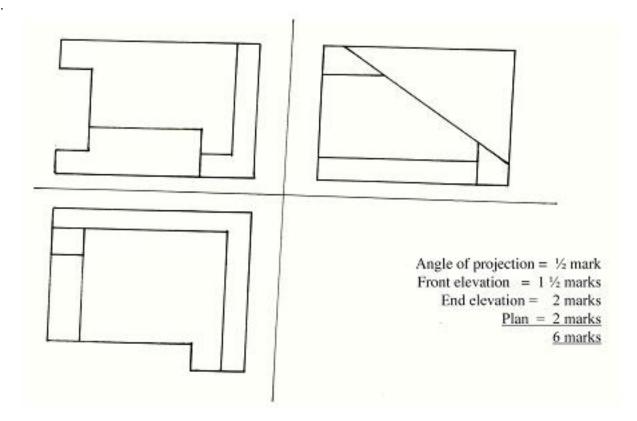
7.

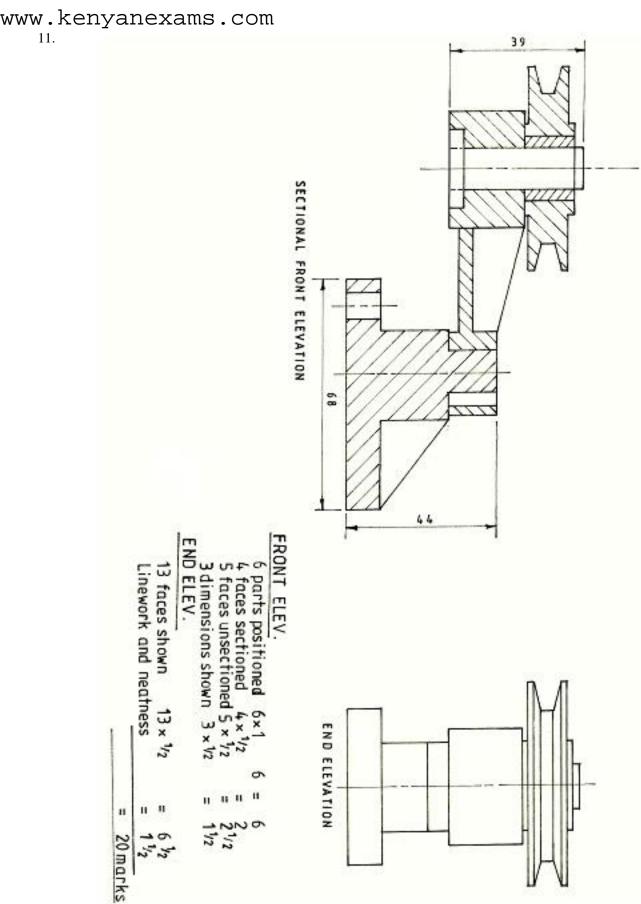






10.





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