**4.21** **DRAWING AND DESIGN (449)**

**4.21.1  Drawing and Design Paper 1 (449/1)**

1. (a) - Size should be standard

= 2 marks

- 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

(b) (i) AO - 1188 x 840

(ii) A3 - 420 x 297

any 4 x

1

2

2 x 1 = 2 marks

(c) - maintain right angle between blade and stock

- Adobe any 6 x = 3 marks

- 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 x 1 = 2 marks

2. (a) - word processing - draw plus

- corel draw - sketch up

- Archi-CAD - punch card

- Auto-CAD - Inviscape

- Paint - Real draw

- Mat lab - Auto desk

1

2

(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

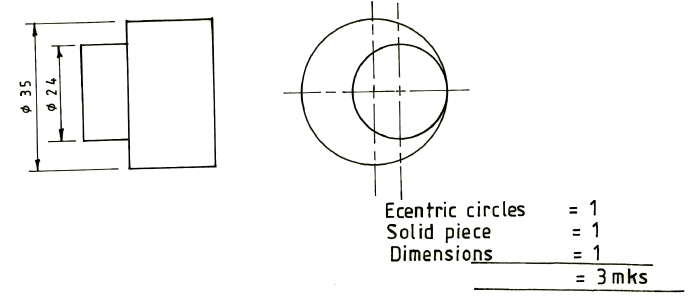
- Alloys eg. brass, bronze solder

Naming 3 x ~~21~~ = 1~~21~~

Examples 3 x ~~21~~ = 1~~21~~

3 marks

543



4. (a) (i) A = 45 x 2 = 90

(ii) Angle  = 25º

(i) Measuring - 1

Tabulation - 1

(ii) Angle - 1

(3 marks)

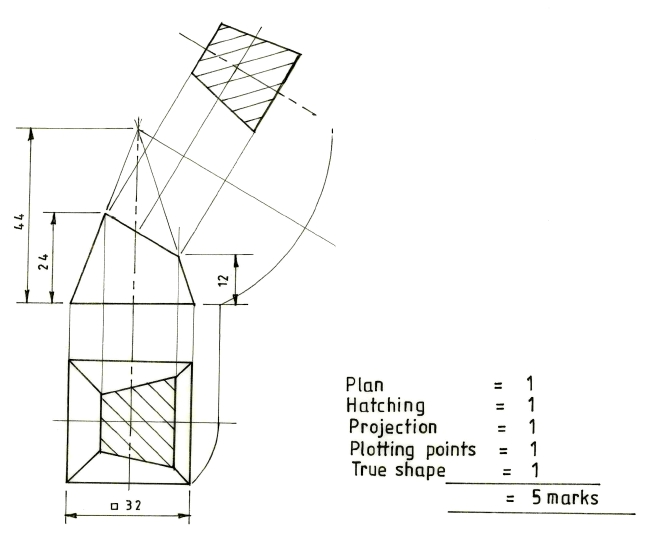
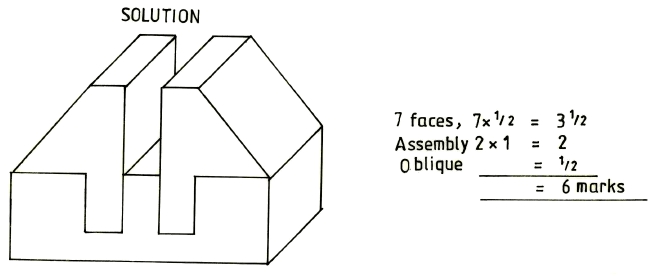
5. (a) Fixed assets are properties e.g buildings, machines, and other equipment or facilities

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

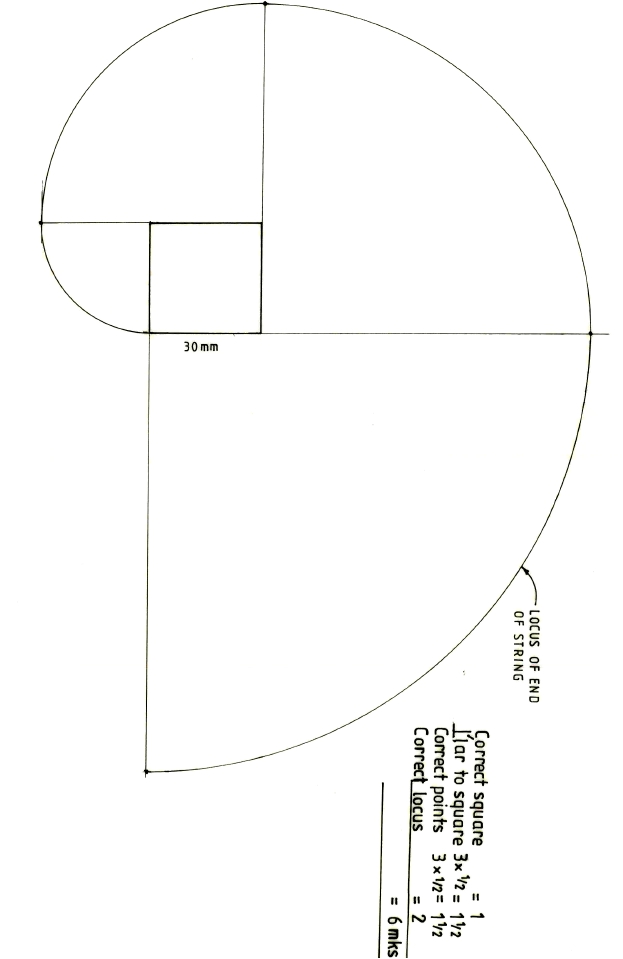
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6.

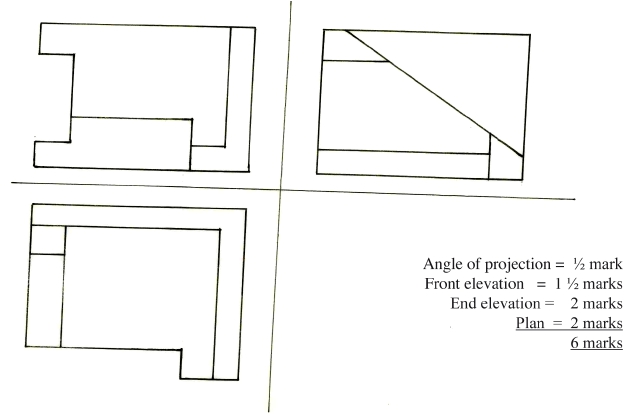
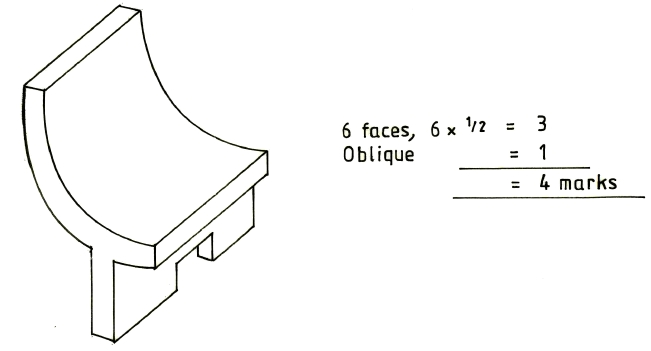
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8.

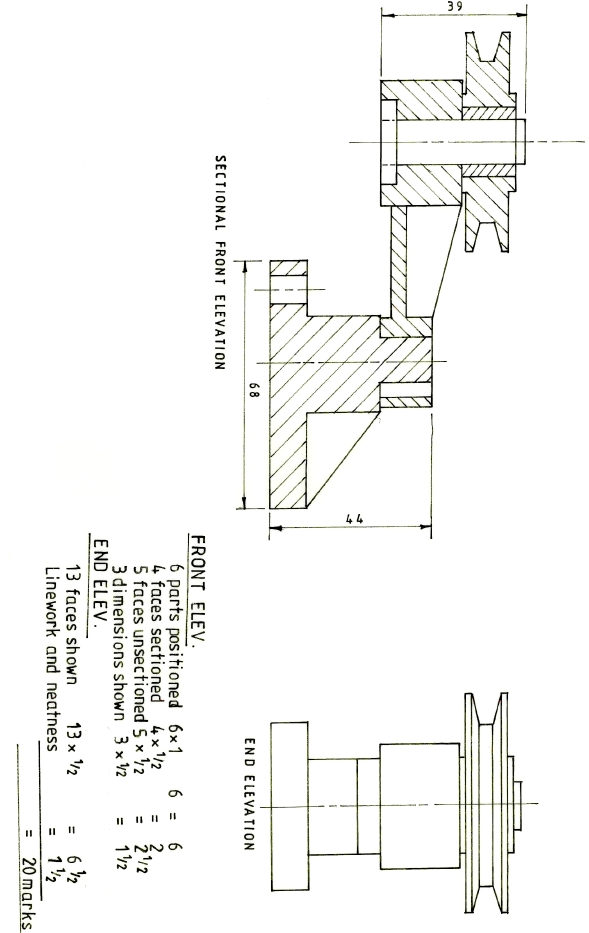
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9.

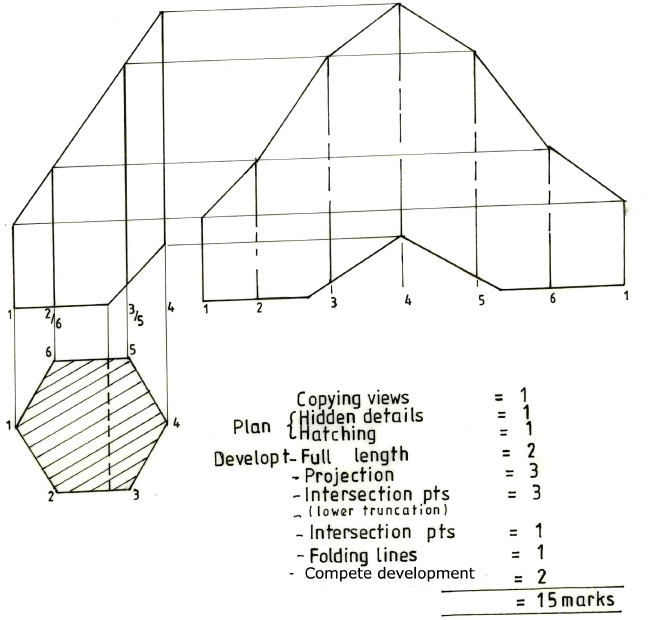
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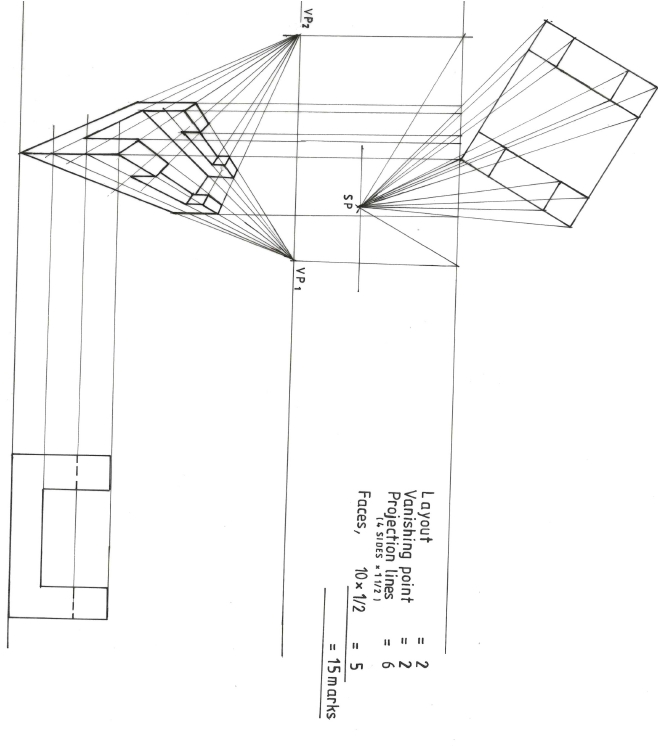
11.

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12.

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13.

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