

30.19 **DRAWING AND DESIGN (449)**

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



**MANYAM FRANCHISE**  
Discover! Learn! Apply

1(a) **DISADVANTAGES**

Misunderstanding relating to shape and size of object.  
Lack of universally spoken and accepted language.

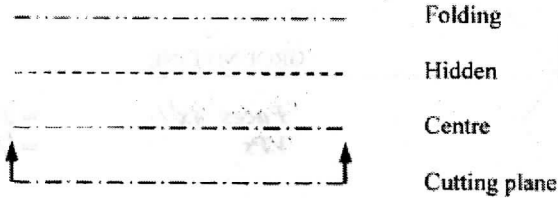
Any 1x1

(b) **REASONS**

Ensure consistence in quality and uniformity of interpretation.  
Provides minimum/lowest level of acceptability.

2x1

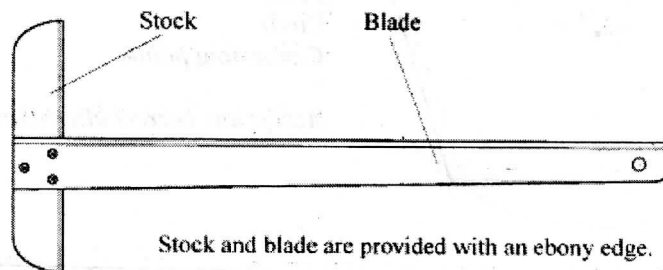
2(a) **Lines**



2(b) **CONVENTIONS**

- (i) external thread
- (ii) diameter
- (iii) battery
- (iv) planed timber

3,



Stock and blade are provided with an ebony edge.

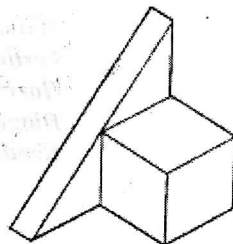
Parts (2x1/2)

How they are assembled

Details on the blade (chamfer & reinforcement)

3x1

M. S. Q4(a)



5 faces = 2.5 marks  
x lowest point = .5 mark

**TOTAL = 3 MARKS**

Length 45mm baseline  
 Point 4  
 Point 6  
 Point 5  
 Circle  
 Connecting points

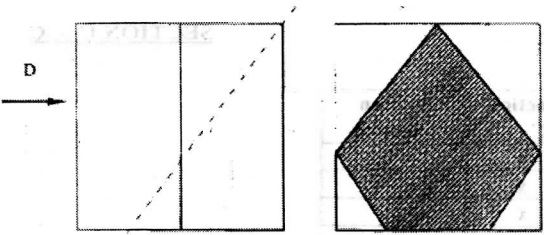
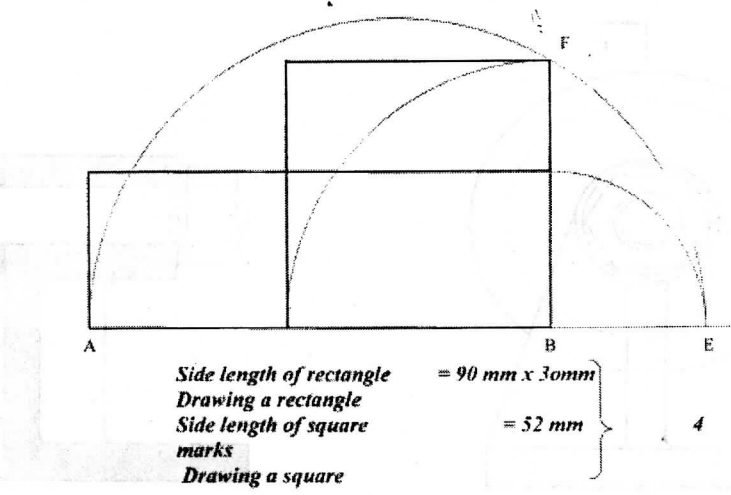
6x0.5 mark  
 = 3marks

Accept any correct alternative method

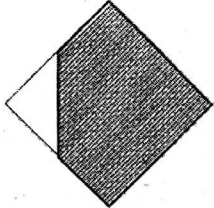
Actual length '160' =  $\frac{1}{2}$   
 Vertical divisions =  $\frac{1}{2}$   
 Horizontal divisions =  $\frac{1}{2}$   
 Diagonals = 1  
 Reading "463" = 1

$3\frac{1}{2}$

M.S. Q7

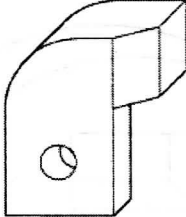


M. S. Q8



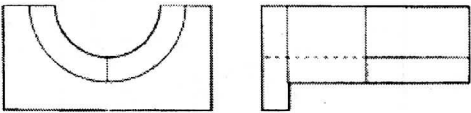
Elevation  $5x^{1/2}$  =  $2^{1/2}$   
Completing plan =  $1/2$   
Hatching  $2x^{1/2}$  = 1

M.S. Q9

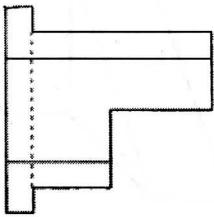


6 faces = 3 marks  
Y- Y lowest point = .5 mark  
Oblique = .5 mark  
TOTAL = 4 MARKS

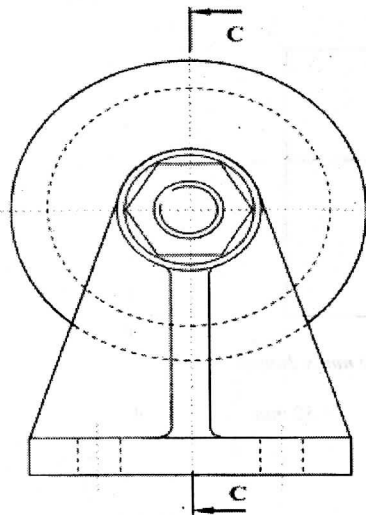
M.S Q10



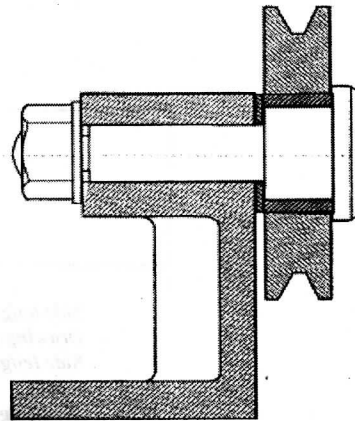
End. E = 1.5 marks  
Front. E = 2 marks  
Plan = 1.5 marks  
Hidden detail = 1 mark  
TOTAL = 6 marks



M.S. Q11.



**FRONT ELEVATION**



**SECTION C - C**

	Front elevation	Section C - C	Section hatching
Nut	x	x	
Pin	x	x	
Washer	x	x	
Housing	x	x	x
Pulley	x	x	x
Holes	x		
Thread	x		
Bush		x	x
Spacer		x	x

Front elevation =  $7 \times 1.5 = 10.5$

Section =  $7 \times 1.5 = 10.5$

Sectioning/hatching =  $4 \times 1.5 = 6$

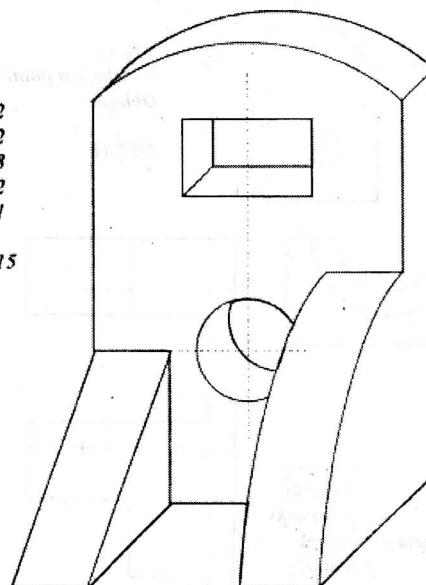
Angle of projection = 2

Hidden details = 1

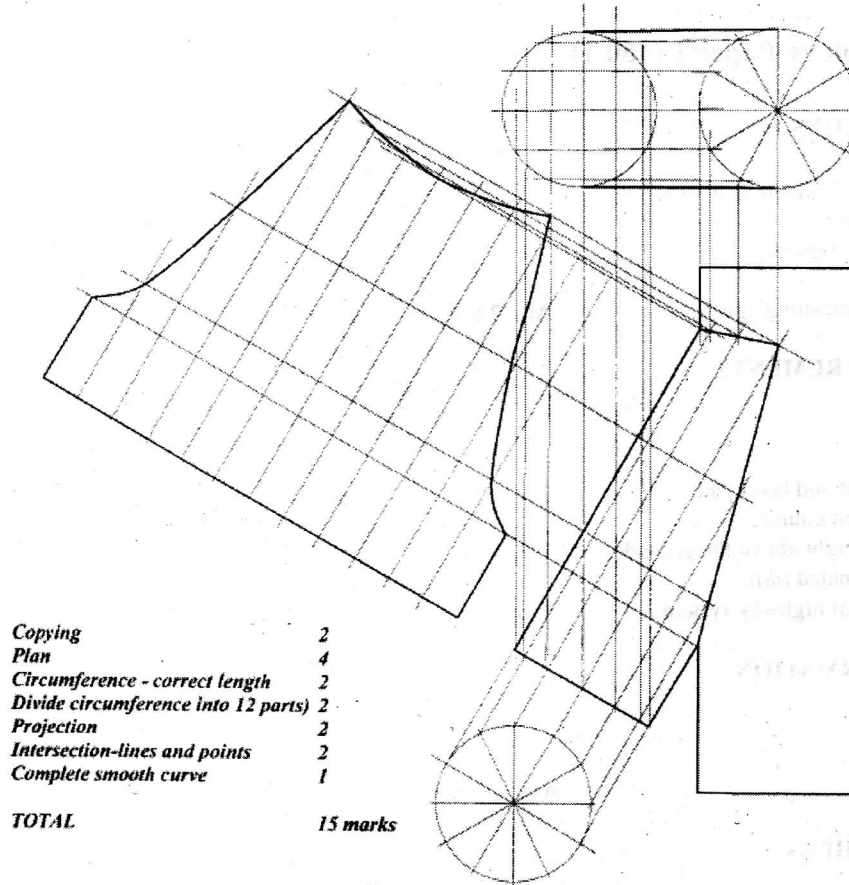
**TOTAL = 30 marks**

M.S. Q12

Oblique	2
Round hole	2
Faces (8x1)	8
Oblique curves	2
Scale	1
<b>TOTAL</b>	<b>15</b>

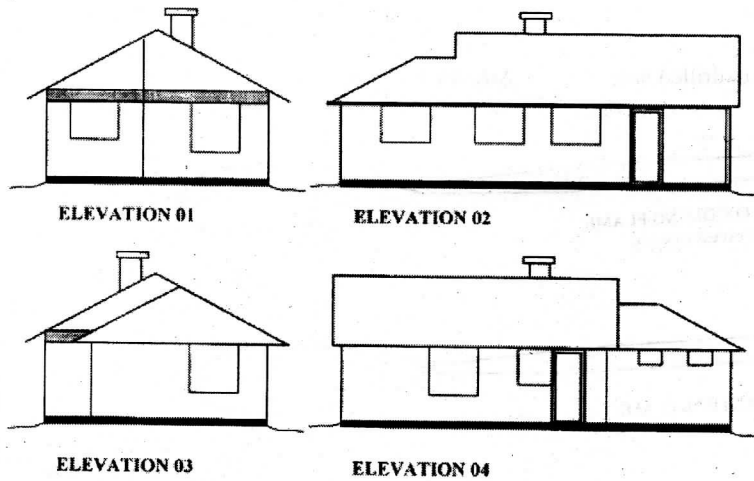


**M. S. Q13**



Copying	2
Plan	4
Circumference - correct length	2
Divide circumference into 12 parts	2
Projection	2
Intersection-lines and points	2
Complete smooth curve	1
<b>TOTAL</b>	<b>15 marks</b>

**M. S. Q14**



Main features	E-01	E-02	E-03	E-04	
doors	-	1	-	1	
windows	2	3	1	4	
chimney	1	1	1	1	
gabble	1	1	1	1	
hip	-	1	1	1	
<b>Total per elevation</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>15 marks</b>