Notes
1. Answer all questions.
2. All dimensions are in mm.
3. Drawing aids may be used.
4. All construction lines must be shown where appropriate.
5. **You are required to use one side of your paper for question number 3 only**

Question 1

Draw a borderline and a title (name) block on one side of your drawing paper. In the appropriate spaces print in free hand simple block letters:
a) Your surname and name.
b) Your class.
c) Annual examination.
d) Date.
e) In the middle space of the title block write down the name of the drawing in question number 3, i.e. **MACHINED BLOCK.**

10 marks

Question 2

a) Draw a circle 60mm diameter   **1 mark**

b) On this circle show and neatly label:
    i)   A chord   **2 marks**
    ii)   The circumference   **2 marks**
    iii)   A quadrant   **2 marks**
    iv)   A segment   **2 marks**

c) Draw a circle 60mm diameter and in it draw a concentric circle.   **2 marks**

d) Draw a circle 60mm diameter and in it draw an eccentric circle   **2 marks**

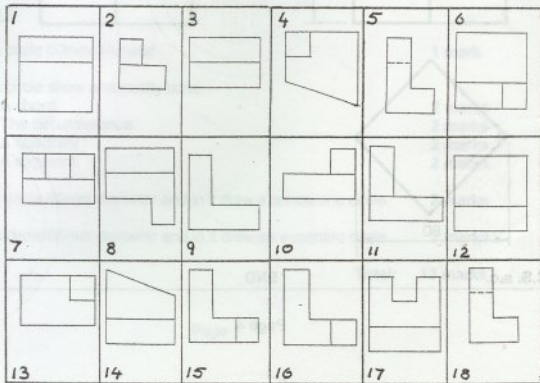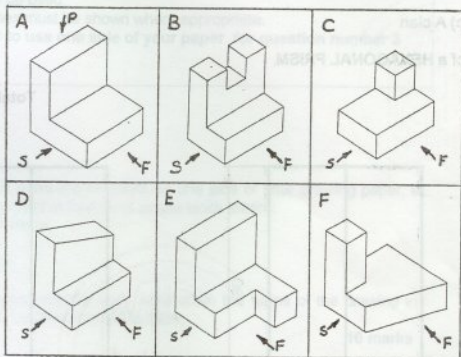   **Total: 13 marks**

Question 4

The figure shows the blocks A, B, C, D, E, and F in pictorial projection. The arrow indicates the direction of the front elevation. Select from the given orthographic views 1 to 18, the relevant front views **F**, side views **S**, and plans **P**. **Draw** a table similar to the one given and insert your answers in the table. The answers for **A** are done for you.

15 marks

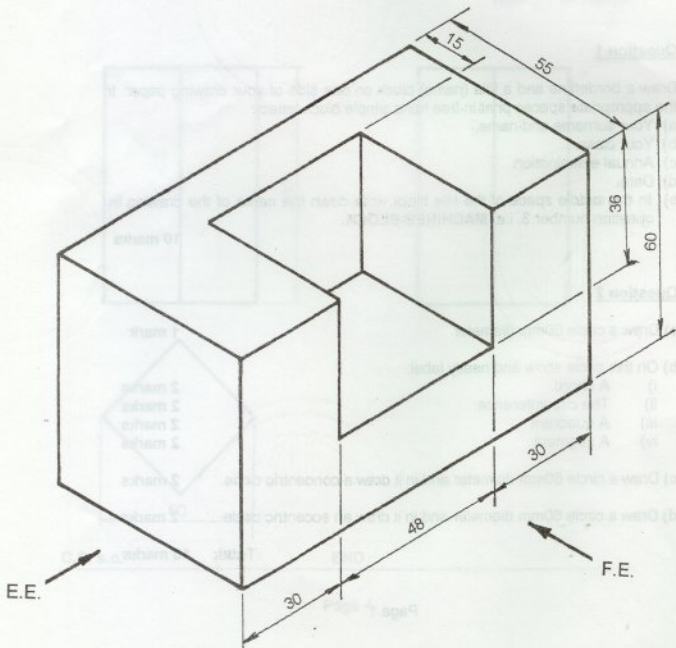|	F	S	P
A	12	9	1
B			
C			
D			
E			
F			

Question 3

Figure 1 below shows a pictorial view of a **MACHINED BLOCK.**
Draw ,full size, the following elevations (views).

a) A front elevation in the direction of arrow F.E.   **15 marks**

b) An end (side) elevation in the direction of arrow E.E.   **15 marks**

c) A plan.   **15 marks**

Total: **45 marks**

E.E.

F.E.

Question 5

Views of a square prism are shown below.

Using the same measurements draw:

a) A front elevation   **6 marks**

b) A side elevation   **6 marks**

c) A plan   **5 marks**

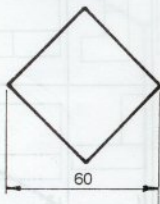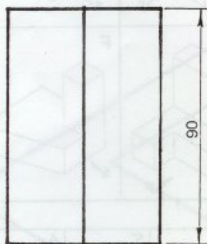of a **HEXAGONAL PRISM**

Total: 17 marks

90

60

C.S. s.c.   END