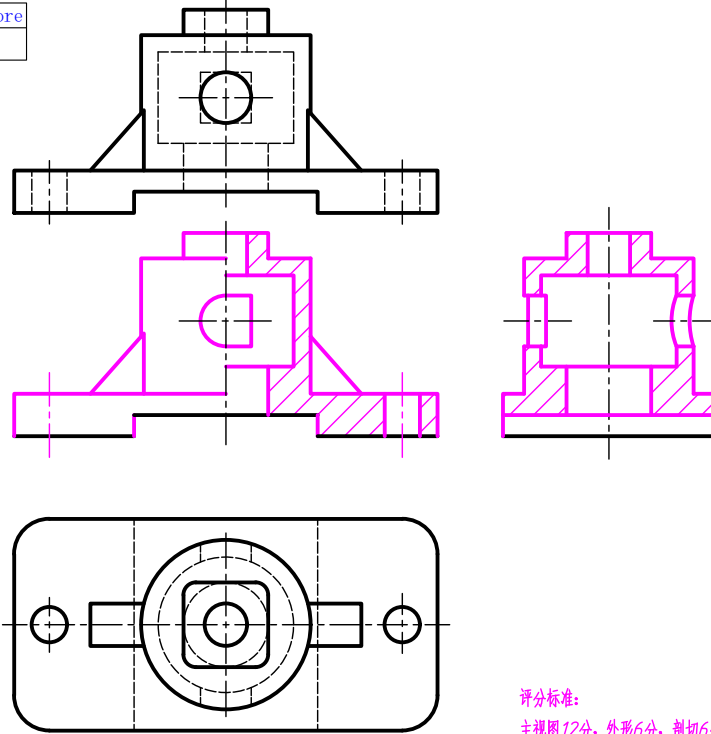


V. According to the front view and top view, draw half sectional front view and full sectional left view at given place. (画出半剖的主视图, 和全剖的左视图, 25 pts)

Score



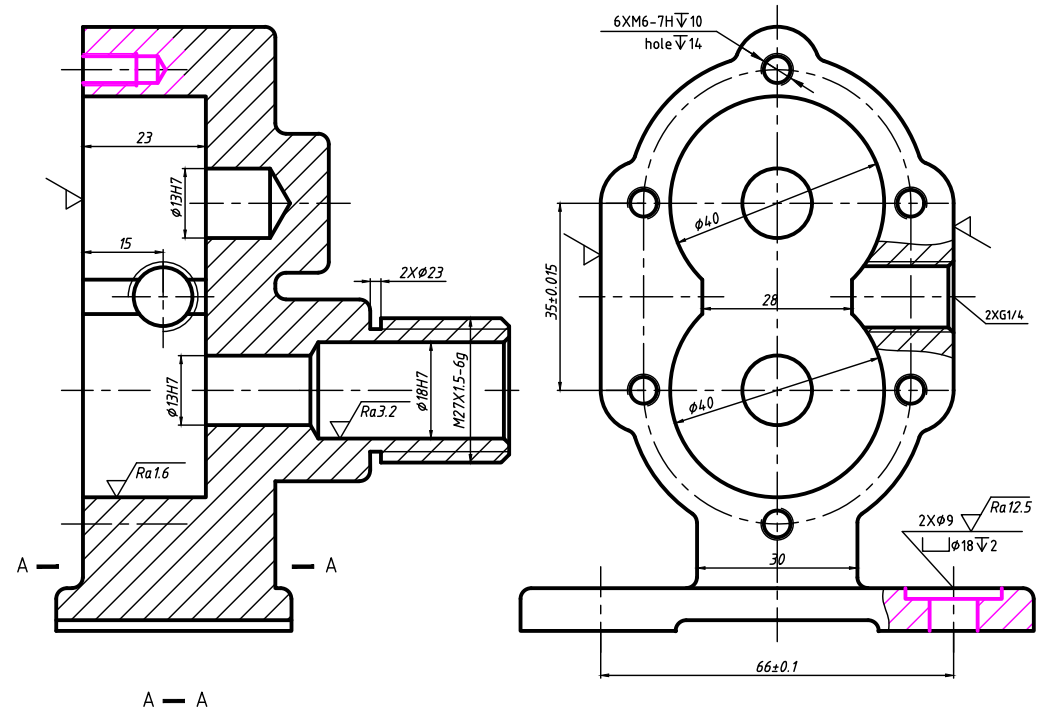
评分标准:  
主视图12分, 外形6分, 剖切6分  
左视图13分, 左侧6分, 右侧7分

Score

VI. Read the part drawing and answer questions. (22 pts)

- According to the symbol  $\frac{6 \times M6 \sqrt{10}}{IT7}$ , complete the hole structure on front view at upper-left corner; Complete the local sectional view on left view at lower-right corner. (根据所给尺寸标注, 分别完成主视图左上角、左视图右下角的剖切表达, 6 pts).
- Complete A-A full sectional view (完成A-A全剖视图, 5 pts).
- For M27x15-6g, this is a fine (fine细牙/coarse粗牙) thread, major diameter (公称直径) is 27, the pitch (螺距) is 1.5 (3 pt).
- For  $\phi 18H7$ , the tolerance symbol (公差带代号) is H7, the basic deviation (基本偏差) is H or  $\phi$ , the tolerance grade (公差等级) is 7, the value of IT7 is 0.018, the minimum value for  $\phi 18H7$  is 18, and the maximum value is 18.018 (5 pt).
- There are 5 surface quality grades in total, the highest quality roughness (粗糙度) symbol is  $\sqrt{Ra1.6}$ , the lowest one is  $\sqrt{Ra12.5}$  (3 pt).

或  $\sqrt{Ra12.5}$ , 均得分



评分标准:  
1. 两个孔结构各3分  
2. 沉孔2分, 截面3分  
3. 填空每空一分

## TECHNICAL REQ

Filet radii R2

$$\sqrt{\quad} = \sqrt{Ra6.3} \quad \sqrt{\quad} (\sqrt{\quad})$$

CASE			scale	1:1
			material	HT200
design				
checked				