

1 Casting Experiment



Students Names:

Date

____/____/____

dd / mm / yy

Semester _____ Student ID _____ Group _____

(For instructor use only) **Evaluation**

Grade

Comments

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TAs:

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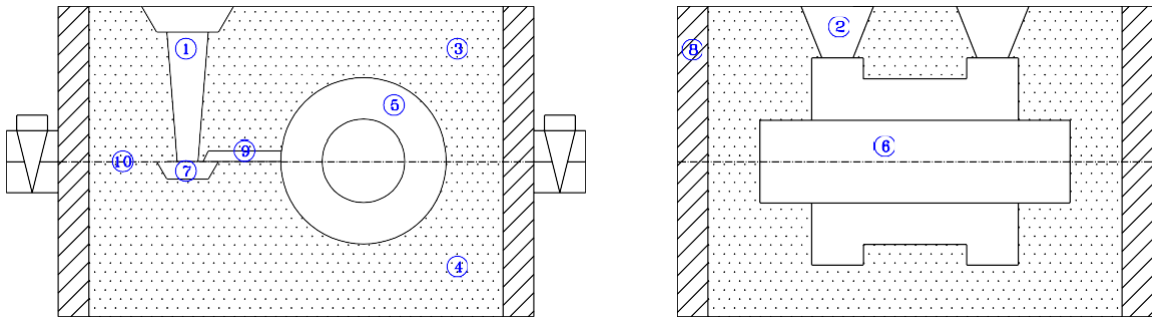
Eng. Mahmoud Badr

Eng. Mohamed Magdy

Part 1 Sand Casting

Question 1:

Fill inside the following table the name of each part in the figure and state its function.



Part name	Function
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Question 2:

Mention the sequence of steps for making a sand mould, and describe these steps briefly.

Step	Descriptin /sketch

Comments on the experiment

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Question 3:

Sketch and mention the different tools and their uses that you used in making the mould.

Tool	uses

Part 2: Metallic Mould Casting

Sketch the mold used indicating the different parts and the products obtained.

Describe the sequence of steps in casting product in a metallic mould casting

Steps	Description	Tools

Comments on the experiment:

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Compare between sand casting and metal mold casting from the point of view of productivity, surface quality, cost , others

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In the workshop, identify 5 different cast parts. Take pictures and mention why they are produced by casting.

#	Picture	Comment
1		
2		
3		
4		
5		