*Roll No.* _____

# END SEMESTER EXAMINATION

**SEMESTER- V (New/Old Course)**

**COURSE CODE : ME508** **DURATION :2 (TWO)HRS**
**COURSE TITLE : MECHANICAL ESTIMATION** **MAXIMUM MARKS : 50**
**SESSION : JULY - DEC.'2021** **PASS MARKS : 35 %**

*NOTE:* *1. Attempt any 5 (five) questions*
*2. Mark for each question is shown against it.*
*3. Assume suitable logical data wherever necessary.*

**1.** **(a)** What are the following wage payment methods? **(4)**
**(b)** What are the elements of cost and explain them ? **(4)**
**(c)** What do you mean by estimation? **(2)**

**2.** **(a)** What do you mean by indirect expenses and what are they? **(5)**
**(b)** With neat sketch draw five different types of sheet metal joints? **(5)**

**3.** **(a)** In sheet metal shop what do you mean by 'blank layout'? **(2)**
**(b)** Write down the operation and process used in sheet metal shop? **(4)**
**(c)** Define the following terms; **(2x2)**
1)Lap joint 2)Dovetail joint

**4.** **(a)** What do you mean by electric welding and how the estimation cost done on electric welding explain them? **(6)**
**(b)** What do you mean by gas cutting and what are its estimation cost explain them? **(4)**

**5.** **(a)** How is pattern cost are estimated and explain them. **(4)**
**(b)** What do you mean by welding and how the estimation cost done on welding explain them? **(6)**

**6.** **(a)** What do you mean by forging and write down its common operation? **(5)**
**(b)** What do mean by foundry shop and how the estimation done on foundry shop explain them? **(5)**

**7.** **(a)** What are the time considerations taken during machining in machine shop? **(2)**
**(b)** Define the term **(3X2)**
1)Cutting speed 2)Feed 3)Depth of cut
**(c)** How the estimation of time is estimated in forging shop? **(2)**

**8.** **(a)** Explain how the losses are estimated? **(5)**
**(b)** Explain how the net weight are estimated? **(5)**

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