

Instructions to candidates

Duration: (Three) hour

Number of questions: Four (04) questions

Mark allocation: 100

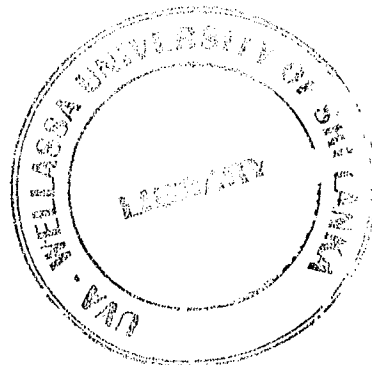
Answer all questions

1.

- a. What are the different types of the plant layouts? Explain those layouts with suitable diagrams. (15 Mark)
- b. What do you mean by production and productivity? (05 Mark)
- c. Compare the difference between production and productivity? (05 Mark)

2.

- a. Explain the term quality with giving examples? (07 Mark)
- b. Explain the eight dimensions or measures effecting the quality ? (10 mark)
- c. Explain shield metal arc welding process by giving its advantages and limitations (04 Mark)
- d. Explain electron beam welding process by giving its advantages and limitations (04 Mark)



3.

- a. Explain the principal of electrical discharge machining with the aid of a schematic diagram. (10 Mark)
- b. State the advantages and limitations of electrical discharge machining. (05 Mark)
- c. State the applications of electrical discharge machining. (05 Mark)
- d. Explain the mechanism of material removal in electro chemical machining process by giving suitable diagrams. (05 mark)

4.

- a. Explain the blown film extrusion process with suitable diagrams (10 Mark)
- b. State the advantages and the applications of blown film extrusion operation (05 Mark)
- c. Explain the operation of injection molding machine with suitable diagrams. (05 Mark)
- d. Explain the profile extrusion operation with suitable diagrams. (05 Mark)