



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Continuous Assessment Test – II FALL 2019-20

Programme Name & Branch: **B.Tech. (BME/BEM/BMA/BPI)**

Course Code & Name: **MEE1007 Manufacturing Processes**

Class Number: **VL2019201005182; VL2019201005188; VL2019201005204; VL2019201005329;**
VL2019201005335; VL2019201005341; VL2019201005345; VL2019201005350

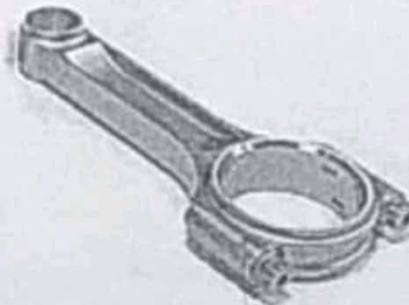
Slot: **G1**

Exam Duration: **90 minutes**

Maximum Marks: **50**

Answer **ALL** the questions

S.No.		Mark
1.(a)	How polarity affects the welding of thick and thin sheets.	5
(b)	Explain the welding technique which uses a pin type probe to join dissimilar metal plates together.	5
(c)	How explosive charge is used in sheet metal forming.	5
(d)	Describe the process for manufacturing a coin.	5
2.	Explain suitable welding process which is explicitly used in vertical welding mode for sheets having thickness above 100mm.	10
3.	Describe any 5 welding defects with neat sketches, along with their causes and remedies	10
4.	Select an ideal process for manufacturing the component shown in figure below with neat sketches. Explain the various steps involved.	10



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