

B.Tech, 6th Semester, Mid Term Examination, 2021
NAME OF SUBJECT: MANUFACTURING PROCESS -II
CODE NO:- UPE06B18

Maximum Marks: 30

Time: 1 hours

The figures in the margin indicate full marks for the questions

Q. No.	Questions	Marks
Group A		
[1]	Complicated shapes ----- be produced by forging process.	1
[2]	A general stress-strain curve of any material represents the plasticity --- ----- the yield point.	1
[3]	The mechanical strength of the metal ----- due to the strain hardening of the metal.	1
[4]	Hot working of metal in metal-forming processes is working above the ----- temperature.	1
[5]	Machine parts produced by forging is preferred when compared to other casting/machining/welding process because of -----.	1
[6]	Edging is a forging operation used to ----- the cross section and -- ----- the length.	1
Group B (Answer any two questions)		
[1]	Explain in details about forging performing operation	6
[2]	Explain about cold and hot metal working process	6
[3]	Explain about forging defects	6
Group C (Answer any two questions)		
[1]	Explain different types of forging allowances provided in forging dies	6
[2]	What are the preliminary considerations may be checked for Die Design.	6
[3]	Explain Tresca's maximum shear stress criterion and Von Mises' maximum distortion energy criterion.	6
