

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 |
