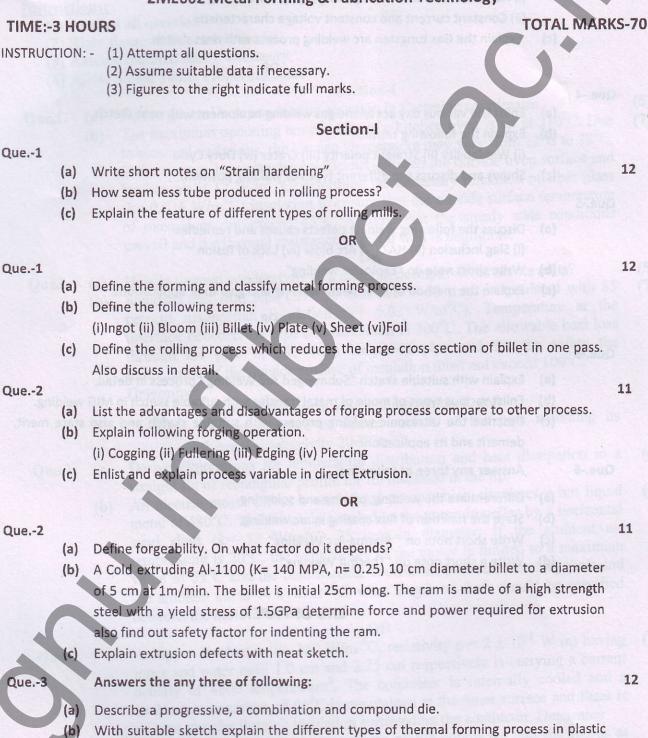
Exam No.	
----------	--

### **GANPAT UNIVERSITY**

#### **B.TECH SEM. VI MECHANICAL ENGINEERING**

## **CBCS Regular Examination May-June 2013**

## 2ME602 Metal Forming & Fabrication Technology



Page 1 of 2

Write short note on "Wire Drawing operation".

(d) Enlist and explain mechanical press in forging.

manufacturing.

		Section-II	
Que4		D. TECH SEW, VI MECHANICAL ENGINEERING	12
	(a)	Explain characteristic of gas welding flames.	
	(b)	Distinguish between	
		(i) AC power source and DC power source for welding	,
		(ii) Constant current and constant voltage characteristic	
	(c)	Explain the Gas tungsten arc welding process with neat sketch.	
		OR OR	
0 1		igures to the right indicate full marks	12
Que4	(a)	Enlist the various oxy acetylene gas welding equipment with neat sketch.	
	(b)	Explain the following terms:	
	(2)	(i) Weldability (ii) Straight polarity (iii) Crater (iv) Duty Cycle	
	(c)	Shows and discuss the different types of welding position.	
	(0)	(a) How scan less to leaves in rolling process;	11
Que5		(c) Explain the first or and the property of the second state of t	-11
	(a)	Discuss the following welding defects causes and remedies	
		(i) Slag inclusion (ii) HAZ (iii) Arc blow (iv) Lack of fusion	
	(b)	Write short note on "Explosive welding".	
	(c)	Explain the method of laser beam welding and give their applications.	
		OR and the second secon	
		(c) Define the follow process whith course of the root section of fallet	11
Que5		Also discuss in decells	11
	(a)	Explain with suitable sketch "Submerged Arc Welding" process in detail.	
	(b)	Enlist various types of mode of metal transfer with suitable sketch in MIG welding.	
	(c)	Describe the Ultrasonic welding process with suitable sketch and also state merit,	
		demerit and its application.	
Que6		Answer any three of following:	12
	(a)	Differentiate the welding, brazing and soldering.	
	(b)	State the function of flux coating in arc welding.	
	(c)	Write short note on " Plasma Arc Welding"	
	(d)	Write a short note on "Thermit Welding"	

# END OF PAPER