

Title : Question Paper

FF No. 868

P.Reg.No.						
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Bansilal Ramnath Agarwal Charitable Trust’s
VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE – 411037.
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

Examination: ESE

Year: FY. B. Tech

Subject: Robot Mechanics and Electronics

Max. Marks: 60

Day & Date:

Branch: All

Subject Code: ES 1035

Total Pages of Question Paper:

Time: 2 Hours

Instructions to Candidate

- 1. All questions are compulsory.
- 2. Neat diagrams must be drawn wherever necessary.
- 3. Figures to the right indicate full marks.

Q. N.	C O No	BT* No		Max marks
Q.1			A. Answer the following Questions	
	1		1) Robot Terminology	04
	1		2) Robot Terminology	04
Q.1			B. Solve any one	
	2		1) Robot Terminology.	02
			OR	
			2) Robot Terminology	02
Q. 2.			A. Answer the following Questions	
	2		1) Mechanics(Numerical)	04
	2		2) Mechanics (Numerical)	04
Q. 2.			B. Solve any one	
	2		1) Mechanics	02
			OR	
			2) Mechanics	02
Q. 3.			A. Answer the following Questions	
	3		1) Actuators (Numerical)	04
	3		2) Actuators	04
Q. 3.			B. Solve any one	
	3		1) Actuators	02
			OR	
			2) Actuators	02
Q. 4.			A. Answer the following Questions	
	4		1) Robot Kinematics	04
	4		2) Robot Kinematics	04
Q. 4.			B. Solve any one	
	4		1) Robot Kinematics.	02
			OR	
			2) Robot Kinematics	02

Q. 5.	5		A. Answer the following Questions	
			1) Semiconductor Devices	04
			2) Semiconductor Devices	04
Q. 5.	5		B. Solve any one	
			1) Semiconductor Devices	02
			OR	
			2) Semiconductor Devices	02
Q. 6.	6		A. Answer the following Questions	
			1) Digital Electronics	04
			2) Digital Electronics	04
Q. 6.	6		B. Solve any one	
			1) Digital Electronics	02
			OR	
			2) Digital Electronics	02