Hall Ticket No												Ques	stion F	Paper	Code:	AAEB	16
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1. Explain annealing heat treatment and describe where annealing is practically applicable?	[5M]
2. What is difference between bending and shearing?	[5M]
3. Differentiate between solid riveting and blind riveting?	[5M]
4. Classify the different types of cutting tools used in all types of machining operations.	[5M]
5. Explain the role of fiber in composites? Write some of the important fibers.	[5M]
6. What are ferrite, pearlite, and austenite. What are the applications of them?	[5M]
7. What are the different types of welding process? Explain their applications.	[5M]
8. List the different types of bending operation. Write down the applications.	[5M]

$\mathbf{PART} - \mathbf{B}$

[10M]	9. Classify stainless steels. What are the changes which happen in the properties of materials?	9.
[10M]	0. How corrosion can be prevented? Explain it with using one method?	10.
[10M]	1. Discuss about the penetrates used in dye casting. What are the limitations of dye casting?	11.
ma welding [10M]	2. What are the main differences between MIG, TIG and PIG welding techniques? Explain where plasma is applicable?	12.
[10M]	3. Elaborate about the operations punching, blanking and drawing cupping?	13.
operations? [10M]	4. Explain the tools used in shearing operation. With neat sketches explain the bending and shearing ope	14.
[10M]	5. How electric discharge machining will work and lists down some electrodes and dielectric used?	15.
s and what [10M]	6. What are the various materials of which electrodes are made of electro discharge machining process a are their advantages?	16.
em. [10M]	7. Differentiate between alloys and composite materials? Give their properties and load of impacts on them	17.
. [10M]	8. List down the important components of an aircraft where composite materials were replaced metals.	18.