

QUESTION BANK

UNIT-IV

Unit-IV		SHORT ANSWER QUESTIONS.		
1	Write short notes on Diffusion bonding	CO4	L2	1,3,6,7
2	Write short notes on Powder Processing	CO4	L2	1,3,6,7
3	Write short notes on Deformation processing	CO4	L3	1,3,6,7
4	Explain the interfacial interactions occur in composites.	CO4	L2	1,3,6,7
5	Give the limitations of solid state diffusion technique.	CO4	L3	1,3,6,7

6	Discuss the properties of metal matrix composites.	CO4	L1	1,3,6,7
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7	With the help of neat sketch, explain the stir casting method for the processing of MMC.	CO4	L3	1,3,6,7
8	Explain how hot isostatic pressing is used for making of MMCs with neat diagram.	CO4	L3	1,3,6,7
9	Enumerate the advantages of cladding.	CO4	L3	1,3,6,7
10	With the help of neat sketch, explain the stir casting method for the processing of MMC.	CO4	L3	1,3,6,7
LONG ANSWER QUESTIONS			L3	1,3,6,7
1	Describe the diffusion bonding process for fabrication of Metal Matrix Composites.	CO4	L3	1,3,6,7
2	Discuss about Cladding in detail	CO4	L3	1,3,6,7
3	Describe Liquid in filtration for manufacture of Metal Matrix Composites	CO4	L1	
4	Explain the sol-gel process is used form a king ceramic matrix composites with a diagram	CO4	L2	1,3,6,7
5	Enumerate various process parameters that can be included in the development of a process model for compression molding.	CO4	L3	1,3,6,7
6	Enumerate various process parameters that can be included in the development of a process model for pre preg lay-up.	CO4	L3	1,3,6,7
7	What is Hot Iso static Pressing? Explain the procedure and its applications.	CO4	L3	1,3,6,7
8	Explain the methods to improve the mechanical properties of metal matrix composites.	CO4	L1	1,3,6,7
9	Discuss various structural defects in PMCs.	CO4	L1	1,3,6,7
10	Explain how the MMCs are produced using the In Situ process.	CO4	L1	1,3,6,7