

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – April/May – 2017

Code : 13ME103
Sub. Name : BASIC MECHANICAL ENGINEERING

Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Briefly explain about the four stroke petrol engine with neat sketch. (OR)	1	20
2.	a.	Discuss in Detail about the babcock wilcox boiler with neat diagram	1	20
3.	a.	Write in detail about the thermal power plant with neat sketch (OR)	1	20
4.	a.	Explain in detail about the geothermal power plant with neat sketch	1	20
5.	a.	Explain about the stress strain curve for ductile materials with neat sketch (OR)	1	20
6.	a.	Briefly explain about the mechanical properties of materials and alloys.	1	20
7.	a.	What are the different patterns used in casting process and explain the moulding process with neat sketch (OR)	1	20
8.	a.	Briefly discuss about the oxy-acetylene welding with neat sketch	1	20
		<u>Compulsory:</u>		
9.	a.	Write in detail about the working principles of lathe.	1	20

ALL THE BEST