

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 – Nov/Dec – 2016

Code : **14ME2017**
Sub. Name : **BASIC AUTOMOBILE ENGINEERING**

Semester : **2016-17 ODD**
Duration : **3hrs**
Max. marks : **100**

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Draw a neat sketch and explain in detail about the layout of an automobile chassis.	1	20
(OR)				
2.	a.	Briefly explain about the constant mesh gear box with neat sketch	4	20
3.	a.	Derive an expression of a constant volume cycle with Pv and Ts diagram.	2	20
(OR)				
4.	a.	Derive an expression of a constant pressure cycle with Pv and Ts diagram.	2	20
5.	a.	With a neat sketch and explain the working principles of two stroke petrol engine.	3	20
(OR)				
6.	a.	Write in detail about the various parts of the engines with a neat sketch	3	20
7.	a.	Give the abbreviation for CRDI and explain with a neat sketch.	5	20
(OR)				
8.	a.	Explain about the pressure lubrication system with a neat sketch.	5	20
<u>Compulsory:</u>				
9.	a.	Explain the recent trends in automobiles.	5	20

ALL THE BEST