



Vivekananda College of Engineering & Technology

[Sponsored by Vivekananda Vidyavardhaka Sangha, Puttur @]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

CRM08

Rev 1.0

FY

13/08/2015

INTERNAL ASSESSMENT TEST - 1

Dept: ME	Sem / Div: 1 st B & D	Sub: Elements Of Mechanical Engineering	S Code: 15EME14
Date: 22/08/2015	Time: 3:00 to 4:30 PM	Max Marks: 40	Elective: N

Note: Answer any 2 full questions.

QN	Questions	Bloom's Level	Marks
1	a Skeletonize and explain the different strokes of CI engine, also draw its PV diagram.	L2	10
	b Diversify SI engine from CI engine.	L3	8
	c Elucidate the term Scavenging.	L2	2
2	a Comment on Heat Engines. Point out the classification of IC engines.	L3	8
	b Make clear the working principle of 4-stroke engine which works on the basis of constant volume cycle along with the PV diagram.	L3	10
	c Focus some light on the use of flywheel.	L2	2
3	a Expound the following with a neat sketch. a) Bore. b) Stroke. c) TDC. d) BDC. e) Clearance volume. f) Compression ratio	L2	10
	b Annotate the working principle of 2 Stroke CI engine with a neat sketch.	L3	8
	c Interpret Adiabatic process.	L2	2

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HOD

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