



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2131903

Date: 26/09/2016

Subject Name: Manufacturing processes – I

Sem: 3RD ME/AUTO

Time: 10:00 TO 10:50

Total Marks: 20

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

QUE.1 (A) (1) List the types of chip. 3
(2) List the types of cutting tool material.
(3) List the motions in machine tools.

(B) Explain single point cutting tool geometry. 3

QUE.2 (A) Enlist different operations performed with the help of a lathe and explain any two operations with neat sketch. 3

(B) Draw simple sketch of engine lathe with nomenclature. 4

OR

(B) Explain difference between capstan & turret lathe. 4

QUE.3 (A) Comparison between up milling and down milling. 3

(B) List out the different types of the milling operations and explain any four. 4

OR

(A) Classify milling machine. Explain the universal milling machine. 3

(B) List out the different types of the milling cutters and explain any four. 4

***** ALL THE BEST *****