

2019

Major 3rd Semester Examination
AUTOMOBILE MAINTENANCE

Paper - C 7-T

(Manufacturing Process or Production
Engineering-I)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer *any five* questions. 5×2
 - (a) Write down few points on advantages of cold working process. 2
 - (b) What is ductility ? 2
 - (c) What is core print ? 2
 - (d) What do you mean by depth of cut during drilling operation ? 2

[Turn Over]

- (e) What do you mean by individual drive ? 2
- (f) Write down few points on disadvantages of group drive. 2
- (g) What is alloy steel ? 2
- (h) What do you mean by nonferrous metal ? 2

2. Answer *any four* questions. 4×5

(a) (i) What is pattern ?

(ii) Write down about the pattern materials.

2+3

(b) Write short notes on :

(i) Grey cast iron

(ii) White cast iron

2½+2½

(c) (i) Give the classification of steel.

(ii) What is the composition of plain carbon steel ?

3+2

(d) (i) What do you mean by ferrous metal ?

(ii) Write down few points advantages of non-ferrous metal. 2+3

(e) (i) What do you mean by cutting fluid ?

(ii) Write down good properties of cutting fluid. 2+3

(f) (i) Write down main parts of a lathe machine.

(ii) What do you mean by orthogonal cutting ?

3+2

3. Answer *any one* question. 1×10

(a) (i) What do you mean by alloying cast iron ?

(ii) Name the different alloying elements and their effects on cast iron. 2+8=10

(b) Write short notes on : 2½×4=10

(i) Loose piece pattern

[Turn Over]

(ii) Single piece pattern

(iii) Sweep pattern

(iv) Gate pattern.
