No. of Printed Pages : 4
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94832

3rd Sem.

Subject : Casting and forging Drawing

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

Q.1 a) Define edit command.

b) Define draft angle.

c) Define surface roughness.

d) Role of mating parts.

e) Explain UCS.

f) What is flywheel, write single use?

g) Where the drawing circles are used?

h) Write the drawing sheet dimensions.

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Discuss how do you communicate with Auto CAD?

Q.4 Draw the neat sketch of pulleys.

Q.5 What are the various types of layouts? Explain any one in detail.

Q.6 Discuss about practical drawing & machining drawing.

Q.7 Discuss the Auto CAD commands.

i) What is continuous narrow line with zigzag?

j) Define solid modeling primitives.

k) What is clearance fit?

l) What are layouts?

m) Define chamfer command.

n) Define hatching.

o) Define basic size.

p) What is roughness index?

q) What is waviness?

r) Define phantom lines.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) Write the application of casting & forging drawing.

ii) Write the applications of CAD.

iii) Characteristics of special surface roughness.

iv) Discuss the types of 3D modeling.

v) Write short note on manual drafting?

vi) Discuss types of hatching.

vii) Discuss hatch pattern selection.

viii) What is O-snap command? Write its uses.

ix) Explain about cut surface.

x) Discuss the elements of dimensioning?

xi) What is hole tolerance?

xii) Explain the purpose of draft angle on casting or a forging.

xiii) Difference between actual profile & mean profile.

xiv) Explain forging processes.

xv) What is chain dimensioning?