Reg. No.:	
-----------	--

Question Paper Code: 41746

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Fourth Semester

Mechanical Engineering

14UME406 - MACHINE DRAWING

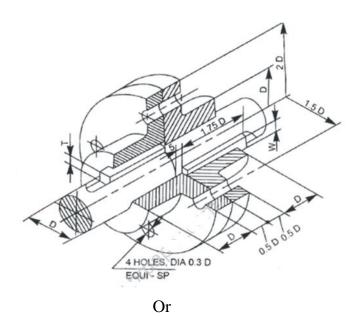
(Regulation 2014)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

PART A - $(2 \times 20 = 40 \text{ Marks})$

1. (a) Draw the full sectional front view and side view of the flange coupling as shown in figure. (20)



- (b) (i) Briefly discuss about the importance of tolerance allocation and differentiate unilateral and bilateral tolerances. (10)
 - (ii) Explain in detail about the selection of fits with examples. (10)

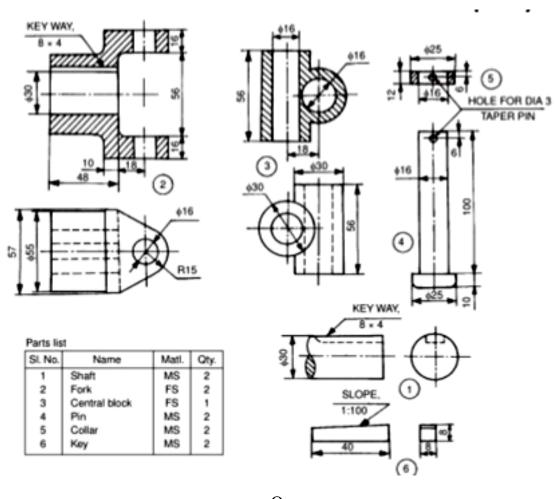
- 2. (a) (i) State the importance of surface roughness measurement. (10)
 - (ii) Explain in details about the indications of surface waviness symbols on drawings. (10)

Or

(b) Sketch different types of threaded fasteners and state their applications. (20)

PART - B
$$(1 \times 60 = 60 \text{ Marks})$$

- 3. (a) Draw the assembled views of a universal coupling, details of which are given in figure.
 - (i) Half sectional front view



Or

(b) Assemble the parts of a Plummer block, shown in figure and draw, (i) sectional view from the front and (ii) view from above. (60)

