

Code.No: 43037

R07

SET-4

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**II.B.TECH - I SEMESTER REGULAR EXAMINATIONS NOVEMBER, 2009**  
**AIRCRAFT ENGINEERING DRAWING**  
**(AERONAUTICAL ENGINEERING)**

**Time: 3hours**

**Max.Marks:80**

Answer any two questions from  
Part A and Part B is compulsory.

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**PART-A**

**(2X20= 40Marks)**

1. Draw the two views of socket and spigot pipe joint to connect two pipes of Diameter 20 mm.
2. Draw sunk key and wood ruff key with proportions.
3. Draw 2-d airfoil of NACA 0009. Using the following data.

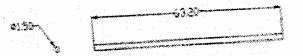
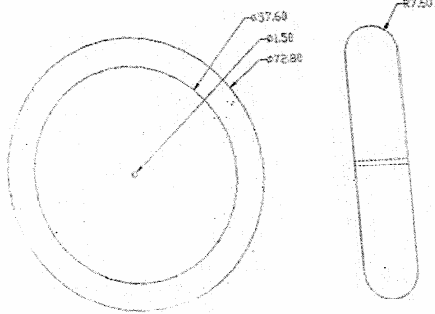
NACA - 0009.

Distance from L.E, %chord	Upper and lower surfaces % chord
0	0
1.25	1.42
2.5	1.96
5.0	2.67
7.5	3.15
10	3.51
15	4.01
20	4.31
30	4.50
40	4.35
50	3.98
60	3.50
70	2.75
80	1.97
90	1.09
95	0.61
100	0

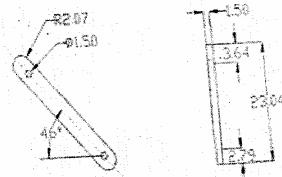
**PART-B**

**(40Marks)**

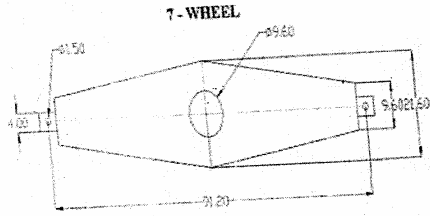
1. Figure gives the part drawing of double wheel landing gear. Assemble all the parts and draw the following assembled views.
  - a) Front view
  - b) Side view



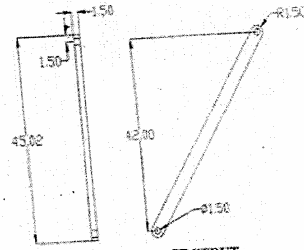
6 - AXLE



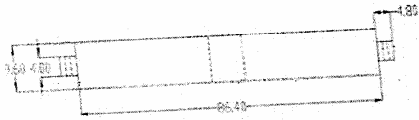
5 - LINK



7 - WHEEL



3 - BRACE STRUT



1 - BASE PLATE