

CODE NO: RR 212403

2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

II B.TECH I SEMESTER REGULAR EXAMINATIONS

**AUTOMOBILE ENGINEERING DRAWING
(AUTOMOBILE ENGINEERING)**

NOVE 2006

TIME:3 HOUR
MARK:80

ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

1. Draw the Knuckle thread section to a scale full size and give all the standard proportions. Take pitch of thread 30 mm.
2. Draw the following nuts of 20 mm nominal diameter:
 - (a) Flanged Nut
 - (b) Wing Nut
3. Draw a countersunk headed tapered bolt of nominal diameter 30 mm.
4. Draw triple riveted lap joint using rivets in zig-zag arrangements to join 12 mm thick plates.
5. Draw any one view of sleeve and cotter joint to a suitable scale.
6. Neatly sketch a split muff coupling for 25 mm diameter shafts.
7. Draw the neat free hand sketch of half sectional view of spark plug and label the important parts of it.
8. Sketch neatly the Solex Carburettor and indicate the important parts.