ENGINEERING DRAWING – II
2nd/2454/5426/Nov'15

Duration 3 hrs   **M.Marks =100**

SECTION A

Q.No1   Fill in the blanks.   1.5x10=15

(i) There are two types of Riveted joints (i)----------------(ii) -----------------.

(ii) The maximum pitch of riveted joints may be taken as --------------------------.

(iii) There are two types of WASHERS (i) -----------------.(ii) -------------------------.

(iv) There are two main types of keys according to shape and duty (i) -------------- (ii)--------------.

(v) Knuckle joint is used when rotary motion is to be converted into ------------------

(vi) On a DOUBLE START thread, LEAD = ------ x Pitch.

(vii) The _____ is used to deliver power from hub to shaft.

(viii) In case of Hexagonal Nut, Radius of chamfer is = ------------.

(ix) A welded joint gives a _____ joint.

(x) In double start threads, lead is equal to _____.

SECTION B

Do any FIVE Questions.

Q.No2 Draw the protionate views of the followings

5x7=35

(i) Gib Head Key   **(iv)** Metric Thread
(ii) Castle Nut   **(v)** Square thread
(iii) Rag Foundation Bolt **(vi)** Knuckle thread
(vii) Any one of Machine screw

SECTION C

Note: Do any TWO.

Q.No.3 Draw the elevation,side and plan of assembled Square Headed Bolt with Washer and Hexagonal NUT.   **(10+6+9=25)**

Q.No4 Draw the Sectional Elevation and Plan of a Double riveted Lap joint. (Zig-zag type). Take dia of rivet 24mm.   **(12+13=25)**

Q.No5 The details of SLEEVE and COTTER   JOINT are shown in figure no.1. Assemble it and draw following views.
   (i) Front view (upper Half in section **(ii)**   SIDE   **(iii)** PLAN   **(10+7+8=25)**

Q.No.6 Draw the Elevation, SIDE and Plan of the assembled joint as detailed shown in figure no.2   **(9+8+8=25)**

FIGURE ATTACHED