

S.B. Roll No.....

ENGINEERING DRAWING-II
2nd Exam/Common/2454/2551/5426/Nov'18

Duration: 3Hrs.

M.Marks:100

SECTION-A

Q1. Fill in the blanks.

10x1=10

- a. Riveting produces a _____ joint.
- b. To prevent leakage of steam in case of riveted joints _____ and _____ is done.
- c. _____ is the welding symbol with machining finish.
- d. The angle of ACME thread is _____ degrees.
- e. The size across flats in a hexagonal nut is _____
- f. When there are vibrations in machinery a _____ washer is provided in nut bolt assembly.
- g. A cut in a shaft for inserting a key is called _____
- h. Woodruff key is a type of _____ key.
- i. A joint used mostly for square rod ends is called a _____ joint.
- j. Rigid couplings are used for shafts which are _____

SECTION-B

Q2. Attempt any three questions.

3x10=30

- i. Draw front view and top view of a hexagonal nut taking diameter as 20 mm.
- ii. Sketch any four types of rivet heads taking diameter of rivet as 40 mm.
- iii. Draw free hand but proportionate sketches of the following taking pitch as 30 mm.
a) Metric threads b) Acme threads c) Square thread d) BSW thread
- iv. Name at least five types of wooden joints. Draw proportionate sketch of any one wooden joint.
- v. What is caulking and fullering. Explain in detail.

SECTION-C

Q3. Attempt any two questions.

2x30=60

- a. Draw top and sectional view of a double cover, single riveted butt joint. Take dia of rivet as 20 mm. Draw at least three rows of rivets.
- b. Draw front view and side view of a Hexagonal headed bolt with a double chamfered nut, lock nut and washer assembly. Dia of bolt is 24 mm.
- c. **Fig-1** shows the component drawing of Knuckle Joint. Draw the following views of the assembly.
 - i. Front view in section.
 - ii. Top viewGive important dimensions.

FIG - 1