d o M E	wnl BA,N	www.brpaper.com for nloading previous years question papers of B-tech,Di,MCA,Bsc-IT,M-Tech,PGDCA,B-com	ploma,BBA,BCA,
J.D.	Kon	ENGINEERING DRAWING-II	
2 <sup>nd</sup> Exam/Mechanical/Prod/Chem/PT/TT/T&DM/Aero/2454/2551/5426/Nov'17			
Dur	atio	ion: 3Hrs.	M.Marks:100
		SECTION-A	
Q1.	a) F	Fill in the blanks.	15x1=15
	i.	i. The standard taper for a key is	
	ii.	ii. Washers are generally specified by	
	iii.	iii. The included angle in Acme Thread is	
	i۷.	iv. The size across flats in hexagonal nut is	
		v. A joint mostly used for square rod ends is called a	
		vi. In a Gib and cotter joint, the thickness of Gib is to	
		ii. An Old-ham coupling connects two shafts, when they are	·
		iiiis equal to pitch, in double start thread.	
		ix. The cover plate in a butt joint is called	
	Χ.	x. For transmitting power in one direction thread	is used
b) S	tate	te True or False.	
	χi.	xi. The joints which are prepared by riveting processes are know	n as Temporary Fastening. <b>(T/F)</b>
	XII.	ii. Foundation bolts are made of cast iron. (T/F)	
		<ol><li>Set screws are used only for transmitting very light load. (T/F)</li></ol>	
		iv. The width of a rectangular key is less than its thickness. (T/F)	
	XV.	vv. To facilitate Caulking & Fullering operation, the edges of the p	plates are beveled. (T/F)
SECTION-B			
Q2.	Atte	ttempt any three questions.	15x3=45
a. Draw front view and side view of assembly of Mortice and Tenon joint of 30mmx45mm. Detail			on joint of 30mmx45mm. Details as
	shown in <b>FIG-1</b> .		
	b. Give proportionate sketch of Pan Head and Flat Counter-Sunk diameter 20mm.		
	C.	Make freehand pictorial sketch of a Woodruff Key, Feather Key	and Gib Head Key.

## (

- d. Draw Acme and B.S.W types of thread forms.
- e. Draw free hand sketches of Rag Bolt and Swan Nut. Give one view each.

## **SECTION-C**

## Q3. Attempt any two questions.

20x2=40

- Draw the top view and sectional front view of a single riveted double cover (or strap) butt joint for 16mm thick plates. Show the rivets in chain type.
- Draw front view, side view and top view of hexagonal headed bolt, nut, and washer assembly, Take diameter of bolt = 20 mm and length 80 mm
- Detailed drawing of a protected type flange Coupling are shown in **FIG-2**. iii. Draw: -
  - (a) Elevation of assembly upper half in section
  - (b) side view to a suitable scale.

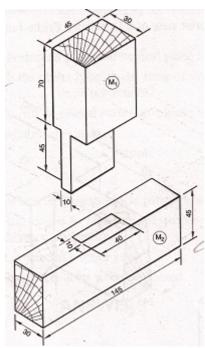


FIG 1

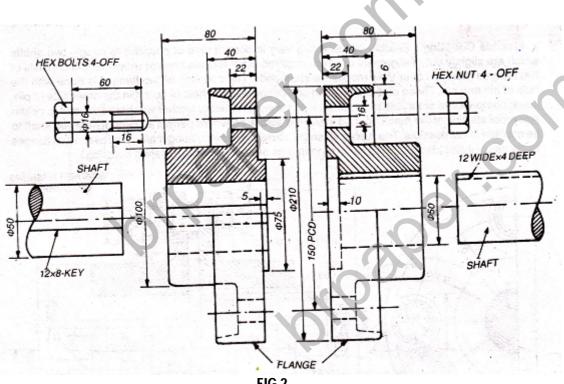


FIG 2