

# POKHARA UNIVERSITY

Level: Bachelor

Semester: Spring

Year : 2019

Programme: BE

Full Marks: 100

Course: Engineering Drawing

Pass Marks: 45

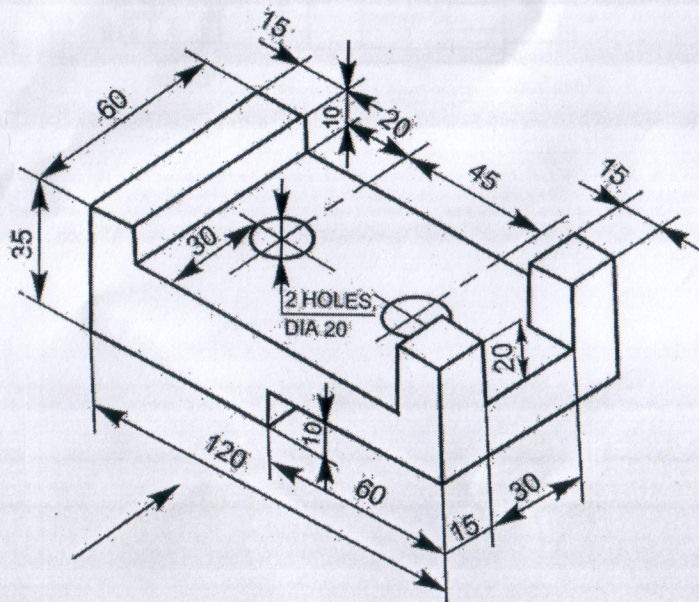
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

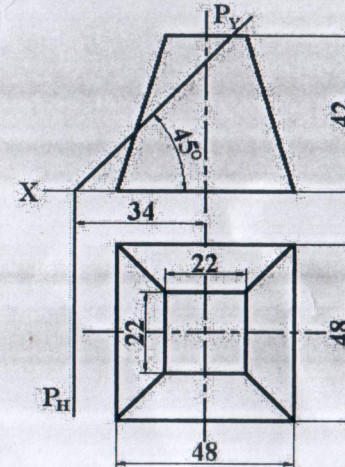
Attempt all the questions.

1. Draw a helix of 72 mm pitch for one revolution around a right circular cone of diameter 60 mm and height 72 mm. Also show the top view of the helix. 14
2. A Square lamina ABCD, of 30 mm side, rests on one of its corners on ground. Its plane is inclined at an angle of  $30^\circ$  to the ground plane and diagonal BD inclined at  $60^\circ$  to the VP and parallel to the HP. Draw its projections. 14
3. Draw the complete orthographic views of the given object. 30  
(Assume suitable data if necessary)



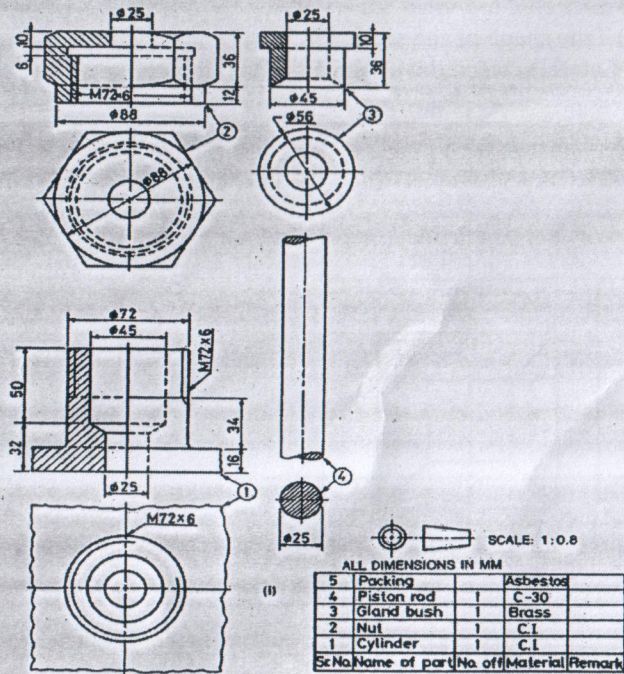
4. A square base pyramid is cut by a cutting plane as shown in figure. 18  
Reproduce the given figure and draw:

- a) Sectional top view
- b) True shape of the section
- c) Lateral surface development of the object





5. Assemble the given parts of Stuffing Box and draw its half sectional front view. 24



OR

- Assemble the given parts of Knuckle Joint and draw full sectional front view.

