

**Indian Institute of Technology (BHU) Varanasi**  
**Quiz, Even Semester 2021-2022**  
**ME 222: Machine Drawing**

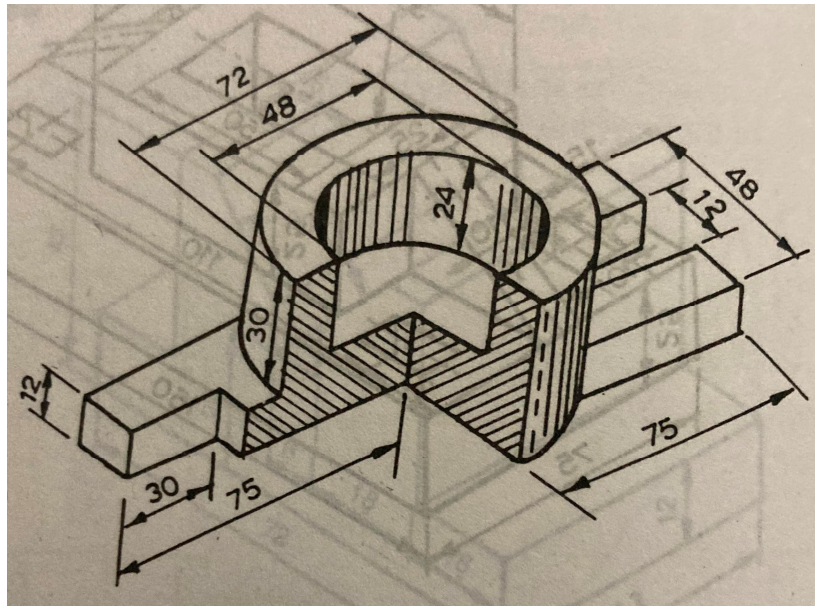
Time: One Hour

Maximum Marks: 20

Note:

- (i) Original pencil work should be visible so take due care while scanning. No credit will be given if pencil work is not visible.
- (ii) Submit your solution as a single pdf file.
- (iii) Do not share your solution with any body. Remember, grading is relative.
- (iv) Write your name, roll number and put signature on every page of the solution.

Q.1 Draw the full sectional front and half sectional side view along with its top view of a block shown in the pictorial view. All dimensions are in mm.



(10)

Q.2 With the help of neat free hand sketches explain how

- (i) a spring washer is used to lock a nut?
- (ii) a sawn nut is used to lock a nut?
- (iii) What are cotters and where are they used?
- (iv) a snug at the top fitting inside the cap is used to prevent rotation of brass in a journal bearing?
- (v) the correct alignment between shaft are kept while coupling them?

(10)