

## **METHODS OF MODELLING**

### **MULTIPLE CHOICE QUESTIONS**

1. Which direction does object extrude to the working plane in “Extrusion by height” Method?
  - a) Perpendicular
  - b) Parallel
  - c) Diagonal
  - d) Custom
  
2. How many extrude direction available in “Extrusion by height” method?
  - a) 2
  - b) 3
  - c) 4
  - d) 5
  
3. Which entity is mandatory in “Extrusion by Height” method?
  - a) Height
  - b) Offset
  - c) Thickness
  - d) Rotation
  
4. Can we draw hollow section using “Extrusion by height” Method?
  - a) Yes
  - b) No
  
5. List the methods of object modelling?
  - a) Extrusion by height method
  - b) Section to path method
  - c) Converting wire frame to 3D object
  - d) All the above

6. How mark is generated in VISKAR?

- a) Automatically
- b) Manually
- c) Both

7. Which object modelling option allow to activate multi section model?

- a) Extrusion by height method
- b) Section to path method
- c) Converting wire frame to 3D object

8. Can we model two shapes with single object using multi section in Section path method.

- a) Yes
- b) No

9. Which option is not available in multi section of “Section to path” method?

- a) Section library
- b) Section catalogue
- c) Custom section

10. Can we rearrange order of shape in multi section?

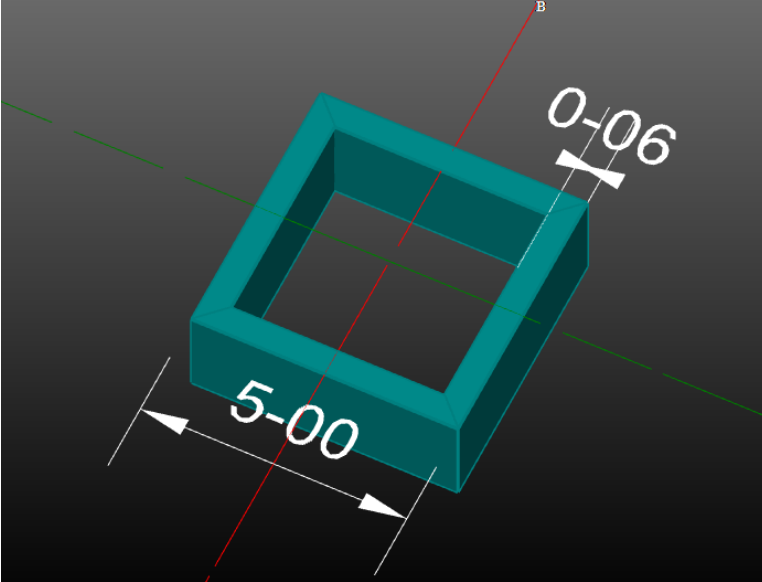
- a) Yes
- b) No

11. What is the condition to model a two different shape in multi section of “Section to path” method?

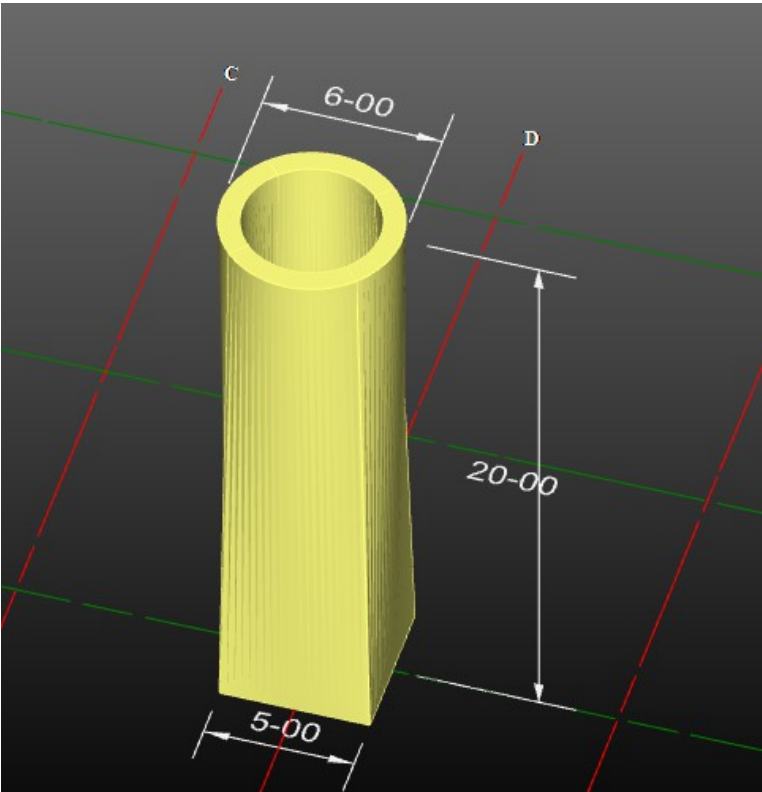
- a) Both should be similar shape
- b) Number of vertices should be same
- c) Bottom shape should have lesser vertices than top shape
- d) Bottom shape should have greater vertices than top shape

**VISKAR BIM – EXERCISE**

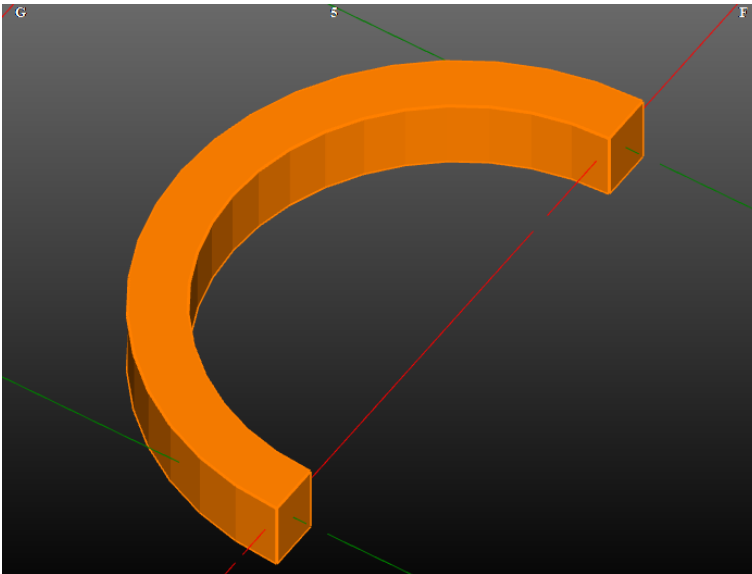
1. Draw a hollow Square(5-00x5-00) (F1) section of thickness 0-06,Height 2'-00.



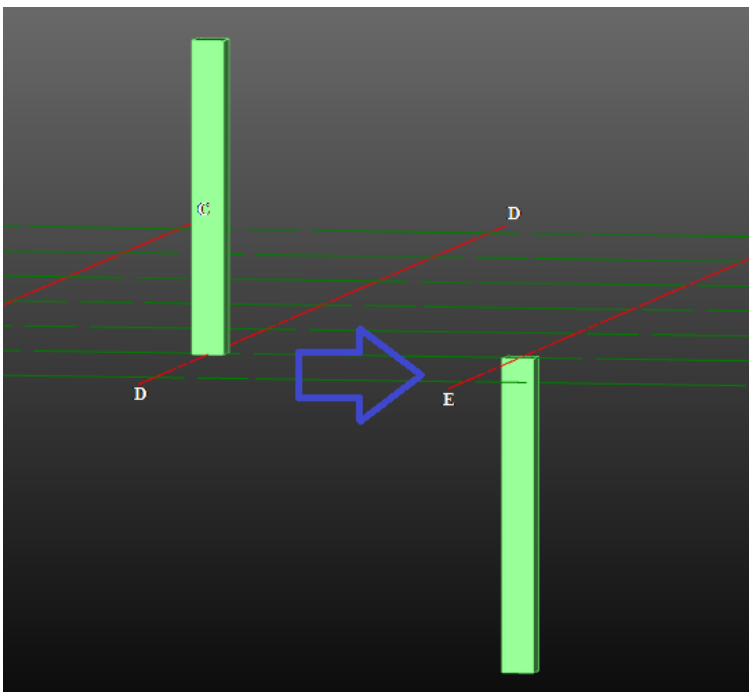
2. Draw a model (CS1) by connecting circle of 3'-00(Radius) & square of 5'-00 for 20'-00 along Z direction, thickness 6" using path method with multi section.



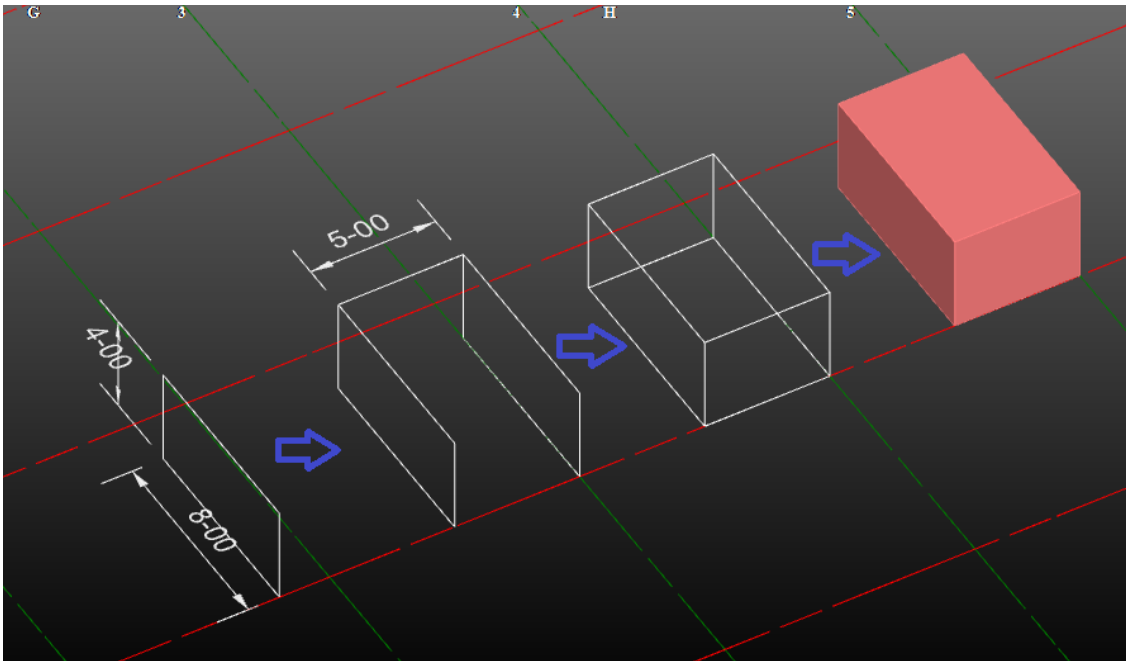
3. Model a rectangular beam(1'-04 X 1'-00) using path method for semi circle, radius 5'-00.



4. Model a column of height 10'-00 & Move the top face of the column to grid points using “Extrusion by height”



5. Model rectangular footing using Converting wire frame to 3D object



***EXCERCISE QUESTIONS***

1. What is the volume (cu.ft) of the square (F1) section?
2. What is the volume (cu.ft) of the (CS1) section?
3. Custom section in the path method should be closed.
  - a) True
  - b) False
4. How many methods are available in object medeling?
5. Closed segment of wireframe only converted into 3D object
  - a) True
  - b) False