

1. Exercise: 6

2. Date: 1 Jan. 2021

RA2011037W : Combinations of solids: CSG, and advanced solid modelling. 3. Title

A2011037W

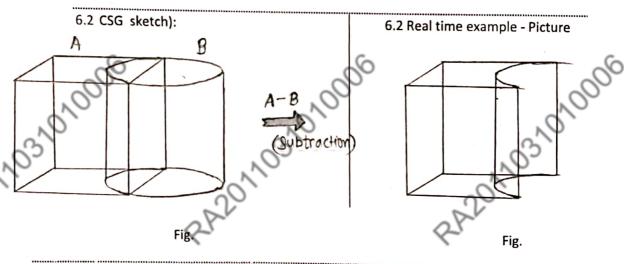
: To model simple combination of solids by Constructive Solid Geometry (CSG), and 4. Aim some advanced models using sweep, loft, shell solid models and obtain their projections.

5. Software used: Auto CAD 2021

6. Introduction: CSG, Advanced solid modelling - 11

-> CSQ i's a combination of solids formed by combining two or more different solids.

-> Advanced solid modelling is the most advanced method of geometrical modelling in 3D.



7. Procedure (for solving question #

: Drawing model of given Object. 7.1 Question outline

: Spring. 7.2 Object

: On HP in front view. 7.3 Resting on Conditions

7.4 Other resting condition (if any): Base radius is less & top radius is more

7.5 Other condition (if any)

110000

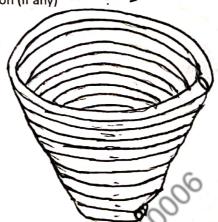


Fig. Free hand sketch of the solution to question #



3	0,	
2R2011031	01/03/0,	SRM INSTRUCT OF SCIENCE A TREINFOLDERY INSTRUCT OF SCIENCE AS TREINFOLDERY INSTRUCT OF SCIENCE AS TREINFOLDERY
7.6	Procedure:	ALL
Ø →	step 1. Set the limits, units and 2007	n (A11) in drawing area.
step ?:	In Command box, Type Hell'x	
	base point.	
Step 31, -	Specify base diameter 25	md for top 50mm.
340741.	Specify no. of turns 9 and	height 10 mm.
	then press Enter to specify	the same value.
746 2 C.	Now, We have to draw a cir	de with diameter 5 mm.

Step 64 NOW, sweep, Select the Object to sweep then path. 8. Commands used:

		-6
S.N.	Command	Use
1,	<u>Units</u>	To specify units, precision.
180	Limits	To set drawing area & grid.
3·	Z00m	To increase & decrease the size
4 ,	Helix	To create a eD or 8D epiring.
5	Cirde of	To create a circle
6	SMEED	To create 3D epilid spiral shape
-	_	
-	-	
-	-	
-	_	_
-		_

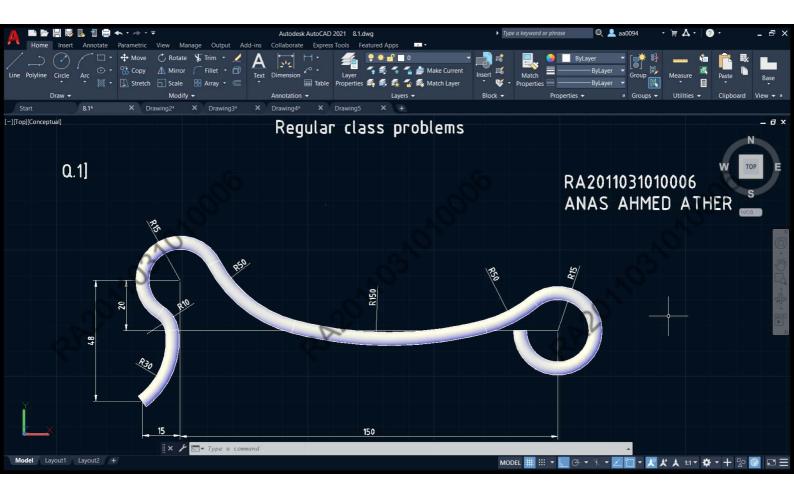
9. Result:

The regulred objects were constructed in AutoCAD 2021. Software.

Faculty Name	Lakshman Sir. Dat	e of Submission
Signature	Ma	rks
.010	,010	.010
3	3	3
		Scanned with CamScanner

RA20110310
RA20110310

2A20110310,

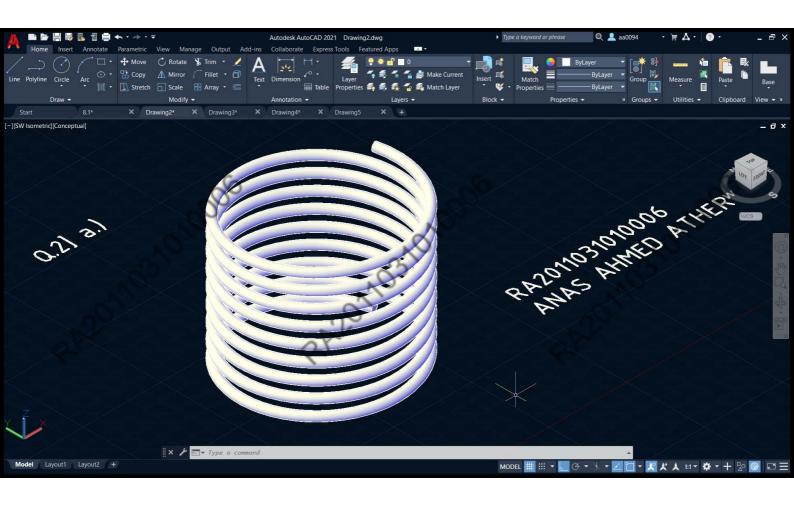


2,103,101,000

RA20110310.

RA20110310.

2A20110310

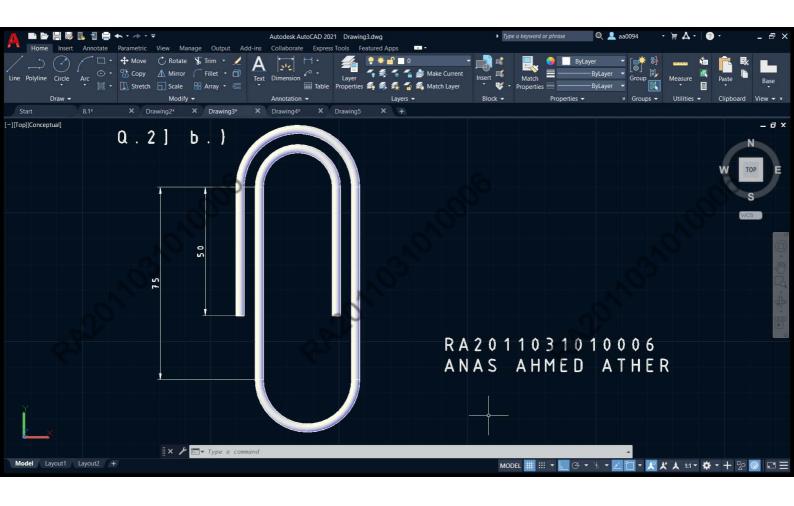


103101006

8820110310.

RA20110310.

2A20110310

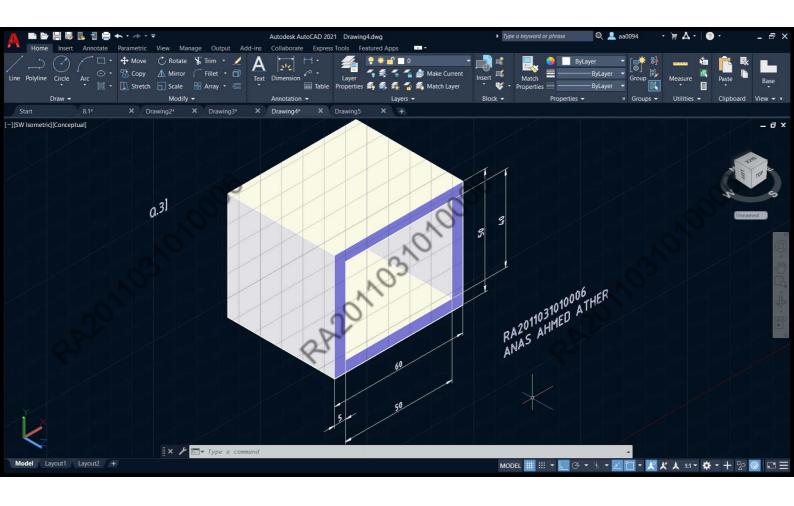


2,103,101,000

8820110310.

2A20110310.

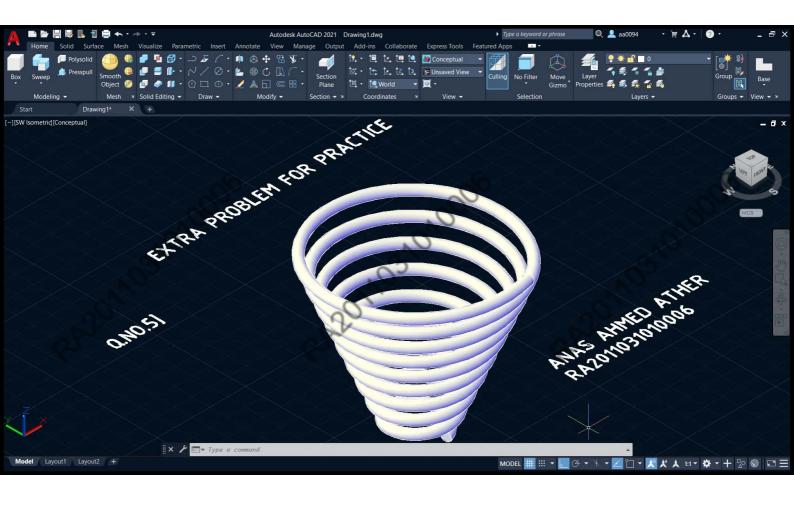
2A20110310



103701006

RA20110310
RA20110310

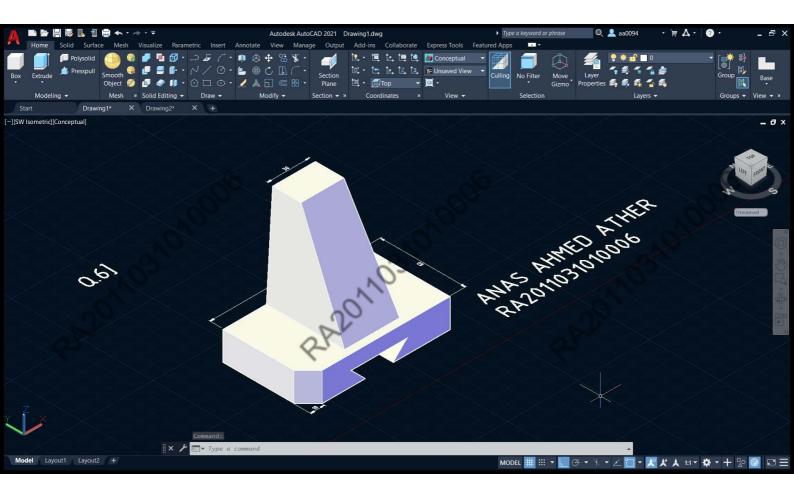
2A20110310



1,103,10,1006

2A20110310
RA20110310

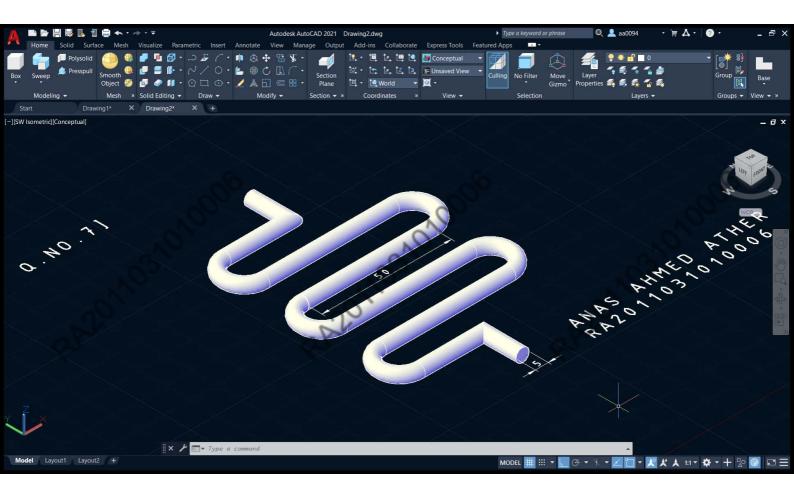
2A20110310



103101006

RA20110310
RA20110310

2A20110310

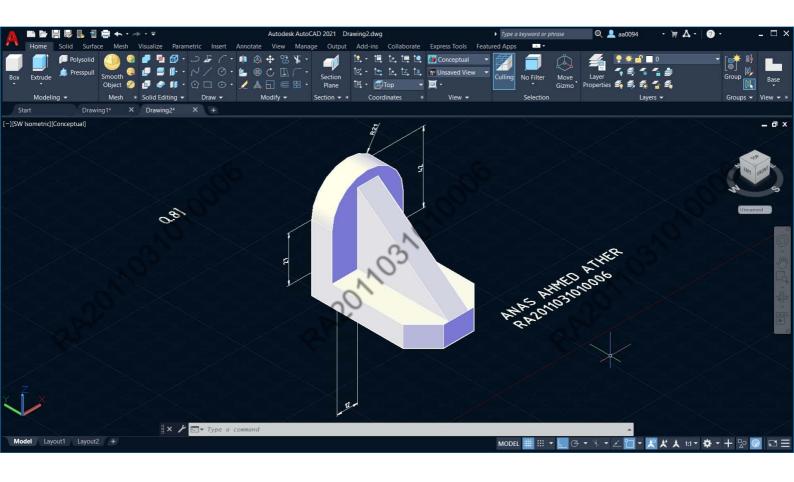


17037070006

8820110310.

8820110310.

2A20110310,



1,103,10,1006