

Skill 05 – Mechanical CADD - 2016

Task: Surface Modeling
Time: 3 Hours
Marks: 25 points

1. **Given:**
- PDF files
 - STL file for reference

2. **Task:**
Create the following:
- Surface model of the object
 - Solid model of the object
 - Part drawings on D size sheets

Notes:

- Each task is independent of the others – partial marks are assigned for attempting a task.
- If any part or drawings time stamp is after the competition time, nothing will be marked

3. **Output**
- Save the 3D model and all of the 2D CAD drawings. Use a PDF file format for drawings.
 - Save the drawings and model files as C:\Competitor Number\Surface-X.xxx
 - Files using wrong names will be penalized 3 points per file.

4. **General:**
- You are to use your own discretion in determining features that may not be clear to you.
 - The invigilator **WILL NOT** answer any questions pertaining to the challenge. Software, calculators and reference manuals are allowed.
 - **ANY DRAWING FILE IDENTIFIED BY NAME WILL NOT BE JUDGED.**
 - Do NOT power down the computer, judges may wish to mark or view aspects of the design on the screen.