

Name:

Student no.:

ANSWERS

1. A
2. B
3. C
4. D
5. A
6. D
7. A
8. C

Open question

- a. Mounting division are applied for operational reasons
Manufacturing divisions are applied for easy manufacturing
- b. Mounting: Bolted joints (& hinges)
Manufacturing: all joining methods possible
- c. Stiffness, accessible, easy removal of substructure, small floor area, strong
- d. Key features: stiff frame, accessible, vertical position
- e. "Hole-to-hole" is a Meccanoo-like type of joining: in both parts holes are drilled to the full size and fasteners are installed; advantages are you don't need to drill holes on the assembly site with all kind of dirt (disadvantage is the high accuracy required)
- f. Assembly of composites (w.r.t. metals): no solid rivets, higher accuracy needed, no plasticity possible