Assignment 12
The due date for submitting this assignment has passed.
Due on 2021-04-16, 23:59 IST:

1. Feedback loop is designed using vector subtractions
   - Incorporate instantaneous position of jet pipe
   - Incorporate Instantaneous position of spill valve
   - Only a and c
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Incorporate instantaneous position of jet pipe
   - Incorporate Instantaneous position of spill valve
   - Only a and c

2. Second-stage flow includes
   - Liquid flow
   - Nigla flow
   - Liquid flow
   - Spill flow
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Liquid flow
   - Spill flow

3. Pressure and flow variations are function of $T_{in}$ and $F_{in}$
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Yes
   - False

4. Solid modeling setup in ...
   - Conceptual design
   - Numerical simulation
   - Failure to identify the marching in and multi-dimensions
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Conceptual design
   - Numerical simulation
   - Identification of marching in and multi-dimensions

5. Coupled problems are those in which
   - Two or more physical systems interact with each other, with the independent solution of any one system being impossible without simultaneous solution of the other
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   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Two or more physical systems interact with each other, with the independent solution of any one system being impossible without simultaneous solution of the other
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6. Interface boundary conditions for fluid-structure interaction
   - Dynamic pressure-equilibrium $\rho \cdot \frac{\partial}{\partial t} u = \rho \cdot u \quad \text{displacement BC} - \text{position of the fluid boundary of } \gamma (\text{frill } + \text{solid})$
   - Velocity BC - Frill $\gamma$: Interface boundary
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Dynamic pressure-equilibrium $\rho \cdot \frac{\partial}{\partial t} u = \rho \cdot u$
   - Displacement BC - Position of the fluid boundary of $\gamma$ (frill + solid)
   - Velocity BC - Frill $\gamma$: Interface boundary

7. FLUID is a 3-node linear element
   - True
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - True

8. Applicability of the axiomatic and ad placement due to a recent differential con tinuity is given by
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - True

9. Notice on a fluid-structure interaction have either displacement dof and pressure dof
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - True

10. The following component has rotational stiffness
    - ambitree
    - ambitree built
    - friction tube
    - jet pipe
    No, the answer is incorrect.
    Score: 0
    Accepted Answers:
    - Ambitree
    - Ambitree built
    - Friction tube
    - Jet pipe