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## Unit 13 - Week 11

Register for Certification exam

### Course outline

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Week 11

○ Lectures 37, Rapid Product Development, CAD/CAM (Part 1 of 2), Dr. Janakarajan Ramkumar

## Assignment 11

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-17, 23:59 IST.**

1) State the following statement as true or false. **1 point**

“Rapid Prototyping Technologies also can be used to build prototypes and mold insert or small series with ineffective cost and in large amount of time. ”

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*False*

2) Which of the following statement is correct with respect to Finite Element Analysis (FEA). **1 point**

- FEA helps in simulation of geometry
- FEA helps in simulation of physical behaviour
- FEA helps in simulation of both geometry and physical behaviour
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*FEA helps in simulation of both geometry and physical behaviour*

3) Material for the simulation can be of \_\_\_\_\_ types. **1 point**

- same
- different
- similar
- All of these

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In association with



Funded by

Rapid Product Development, CAD (Part 3 of 3), Dr. Janakarajan Ramkumar

Lectures 40, Rapid Product Development, CAE and CIM, Dr. Amandeep Singh

Quiz : Assignment 11

Solution: Assignment 11

Feedback For Week 11

### Week 12

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### Interaction Session

- Mesh convergence
- Result convergence
- Both mesh convergence or result convergence
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Both mesh convergence or result convergence*

5) Use of computer systems to perform certain functions in the design process is known as **1 point**

- CAD
- CAM
- DFMo
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*CAD*

6) What is/are the objective(s) put forward for Graphical Kernel System? **1 point**

- To provide the complete range of graphical facilities in 2D, including the interactive capabilities.
- To control all types of graphic devices such as plotters and display devices in a consistent manner.
- To be small enough for a variety of programs.
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of these*

7) What is the correct elaboration of STEP? **1 point**

- Simulation of Exchanging Product model data
- Standardization of the Extreme Product model data
- Standard for the Exchange of Product model data
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Standard for the Exchange of Product model data*

8) Which of the following uses the vertices as control points for approximating the generated curve? **1 point**

- B-Splines
- Bezier curves
- Wireframe modeling
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Bezier curves*

9) Which of the following represents the parametric form of an ellipse?

1 point

- $x = a \cos\theta$
- $y = b \sin\theta$
- Both of these
- None of these



No, the answer is incorrect.

Score: 0

Accepted Answers:

*Both of these*

10) Which of the following have the flexibility of choosing the degree of the curve irrespective of the number of control points? **1 point**

- B-Splines
- Bezier curves
- Wireframe modeling
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

*B-Splines*

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