# BACHELOR OF VOCATION
## Automotive Manufacturing
### Subject: Computer Aided Design
### Subject Code: BBME-201
### Semester: Third
### September 2020
### Theory (External): 35 Marks
### Time: 03 hours

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## INSTRUCTIONS TO THE STUDENTS

1. Read the questions carefully and write the answers in the answer sheets.

2. Wherever necessary, the diagram drawn should be neat and properly labelled.

3. This questions paper comprises of 6 questions out of which student need to attempt any 3 questions.

4. All questions carry equal marks.

5. The time allotted will be 3 hours for examinations including time of downloading of question paper to emailing of answer books to the concerned Dean/IC.

# ESSAY TYPE QUESTIONS

1.  Differentiate between Model Coordinate System and Screen Coordinate System with suitable diagram and applications

2.  Differentiate between orthographic & Isometric projections with neat diagram

3.  What is transformation? Explain 2D & 3D transformation with suitable diagram and applications.

4.  Draw and explain the constructional detail of B- spline curve with neat diagram and applications

5.  What is surface modeling? Explain the applications of biezer surface with neat diagram

6.  Discuss the difference between boundary representation and sweep representation with neat diagram

*****END OF PAPER*****