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Register No.:	

553

October 2023 spoon of hipland file

<u>Time - Three hours</u> (Maximum Marks: 100)

- Answer all questions under Part-A. Each question carries 3 marks.
 - 2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

(ii) Explain the Master ProA - TRA9 ontrol. (7 marks)

- 1. Define wireframe modelling and surface modelling.
- 2. Define GKS.
- 3. What are the advantages of CAPP?
- 4. What is Computer Integrated Production Management system?
- 5. List the CNC programming procedure.
- 6. Write about incremental dimensioning method.
- 7. Draw the FMS layout with its components.
- 8. List out the benefits of AS/RS. Defended the published by the second of the second
- 9. Write about quality function deployment.
- 10. What is augmented reality?

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PART - B

11. (a) (i) Explain the procedure for point plotting. (6 marks) (ii) Explain the procedure for drawing lines. (8 marks)

(Or) (Or) (Or) (Or)

- (b) (i) Discuss about the 3D transformations. (8 marks)(ii) Explain the DXF graphic standard format. (6 marks)
- 12. (a) (i) Discuss about the Capacity Planning. (7 marks)
 (ii) Explain the Master Production Control. (7 marks)

(Or)

- (b) (i) Explain the Opitz system of coding. (8 marks) (ii) Discuss about Master Production Schedule. (6 marks)
- 13. (a) (i) Explain the thread cutting code with suitable examples. (7 marks) (ii) Explain the peck drilling code with suitable examples. (7 marks)
 - (b) Explain the part program using canned cycles for the stock removal process.

Draw the FMS Layout with its components.

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- 14. (a) Discuss about Intelligent manufacturing system.
 - (b) Discuss about the robot application in (i) welding and (ii) material transfer.
- 15. (a) (i) Explain the steps in failure modes and effects analysis. (7 marks) (ii) Explain the concept of house of quality. (7 marks)

(Or)

- (b) (i) Explain the different types of values used in value engineering. (7 marks)
 - (ii) Discuss about the new product development process. (7 marks)

THEY OVER....