| | | | | | R | eg. No. | | | | | | | | | | |
|---------|--|----------------------------------|-----------|--------------------------------|---------------------------------------|-----------------------------------|--------------------|---------------|-------|----------|----------|------------|----------|--|----------------------------------|--|
| | | Question Paper Code 12328 | | | | | | | | | | | | | | |
| | 20H | M.E. / M. PCDPC102 - | Tech. | - DEGRI M. PUTER . (B | EE EXA First Se E CA AIDED ' | MINAT mester D/CAM FOOLS | TION FO | NS, N DR M | OV | //D | DEC : | 202 'UR | 3 XIN | G | | |
| Dur | ation | : 3 Hours | | (11 | eguiutioi | 15 2 0 2 0) | | | | | Ma | x. N | /lar | ks: 10 | 00 | |
| | | | | PART - | A (10 × 2 | 2 = 20 M | Iarl | ks) | | | | | | | | |
| 1 | Dif | ferentiste noi | nt to n | Answ | ver ALL | Question | ns | ifactu | rin | a? | | | | <i>Ma</i> <i>K-Le</i> 2. <i>K2</i> | ırks, vel, CO 2.CO1 | |
| 1. 2 | Wh | at is G00 and | 1 G01 s | tands for | 20111111100 ? | is paul li | liain | aractu | 1111 | g: | | | 2.K1.CO1 | | | |
| 2. 3 | List the needs for CAPP | | | | | | | | | 2,K1,CO2 | | | | | | |
| 4. | What is $D = Class^2$ | | | | | | | | | | 2,K1,CO2 | | | | | |
| 5. | What is GD&T? | | | | | | | | | | 2,K1,CO3 | | | | | |
| 6. | What is Tolerance Synthesis? | | | | | | | | | | 2,K1,CO3 | | | | | |
| 7. | Write down the need for reverse engineering. | | | | | | | | | | 2,K1,CO4 | | | | | |
| 8. | Define Solid Modelling. | | | | | | | | | | 2,K1,CO4 | | | | | |
| 9. | List | List the Objectives of Database. | | | | | | | | | | 2,K1,CO5 | | | | |
| 10. | Wh | at is recycle 1 | time in | reverse e | engineeri | ng? | | | | | | | | 2,K1 | ,CO5 | |
| | | | | PART - Ansv | B (5 × 1 3 ver ALL | 6 = 65 M Question | lar ł ns | ks) | | | | | | | | |
| 11. | a) | Discuss va examples. | rious | tool path | n genera | tions a | nd | conto | ur | pro | files | W | ith | 13,K | 2,CO1 | |
| | b) | Driafly aval | oin the | Connod | OK avala in 1 | nonuol r | aart | nroar | om | min | a | | | 13.K | 2.001 | |
| | 0) | blieny expl | am me | Calified | cycle III I | nanuai j | Jan | progr | am | 111111 | g. | | | 10,11 | 2,001 | |
| 12. | a) | Explain in d | letail al | oout cellu | ılar manu OR | facturin | g. | | | | | | | 13,K | 2,CO2 | |
| | b) | Examine th brief. | e info | rmation of | on CAM | -I, D-C | LAS | SS, a | nd | СМ | IPP i | in t | he | 13,K | 2,CO2 | |
| 13. | a) | Explain abo | ut vari | ous tolera | nnces, fits OR | and lim | nits | with t | hei | r sk | etche | es. | | 13,K | 2,CO3 | |
| | b) | Explain Tol | erance | Analysis | &Tolera | nce Syn | thes | sis. | | | | | | 13,K | 2,CO3 | |
| K1 – | Reme | ember; K2 – Un | derstand | l; K3 – App | oly; K4 – A | nalyze; K. | 5 – E | Evalua | te; K | K6 – | Creat | е | | 1232 | 8 | |

| 14. | a) | Compare Surface Modelling and Solid Modelling. | | | | | | |
|-----|----|--|-----------|--|--|--|--|--|
| | OR | | | | | | | |
| | b) | Explain in detail about various tools used for Reverse Engineering. | 13,K2,CO4 | | | | | |
| 15. | a) | How embedded software helps in developing solid model in reverse engineering process? Discuss in detail. OR | 13,K2,CO5 | | | | | |
| | b) | Explain (i) Rule based detection for RE user interface. (ii) RE of Assembly programs. | | | | | | |

PART - C (1 × 15 = 15 Marks)

16. a) Write a case study on Rule based detection for Reverse Engineering ^{15,K3,CO5} user interface and Reverse Engineering of assembly programs.

OR

b) Elaborate in detail about the Contact Inspection Methods and Non ^{15,K3,CO3} Contact Inspection Methods.