| Roll No | | |
|----------------------------------|--|---------------|
| | 3012 | |
| Branches Exce Examin | emester (Common ept CSE, ECE, IT, (& EEE) ation – March, 202 | CS & IT 21 |
| PROGRAMM | ING FOR PROBLEM SOL | VING |
| Pa | per : ESC-CSE-102-G | |
| Time : Three Hours] | [Maximun | n Marks : 75 |
| • | estions, candidates should ensure and complete question paper. N ained after examination. | |
| from each Ur | questions in all, selecting on the distribution of the distributio | |
| 1. Write short note | on the following: | 15 |
| (a) Number sys | stem | |
| (b) Header files | ; | |
| (c) Looping | | |
| (d) 2-D Array | | |
| 3012- 350 -(P-3)(Q-9)(21) | | P. T. O. |

3012-**350**-(P-3)(Q-9)(21)

UNIT - I

| 2. | Des | scribe the functional units of computers. | 15 | | |
|------------|----------|--|----------------|--|--|
| 3. | Cal | culate the following: | 15 | | |
| | (i) | (11001.1101) ₂ Binary to Decimal | | | |
| | (ii) | (0.8125) ₁₀ Decimal to Binary | | | |
| | (iii) | (35.216) ₈ Octal to Binary | | | |
| | | UNIT — II | | | |
| 4. | Exp | plain the following: | 15 | | |
| | (i) | Programming | | | |
| | (ii) | Flow Chart | | | |
| 5. | Def | fine 'C' Language and explain the following : | 15 | | |
| | (i) | Basic Input and Output functions | | | |
| • | (ii) | Syntax and Logical errors in compilation | | | |
| UNIT — III | | | | | |
| 6. | | re a complete description about conc rements. | litional 15 | | |
| 7. | Wh | at do you mean by Iteration and Loops? Exp | olain. 15 | | |
| RO12 |).). | -(P-3)(Q-9)(21) (2) | 1.4 | | |

UNIT - IV

| 8. | . Describe the following: | | 15 |
|----|---|-------------------------------------|----|
| | (i) | Parameters passing in functions | |
| | (ii) | Character arrays and things | |
| 9. | Define Recursion and explain the statement "Recursion | | |
| | as a | different way of solving problems." | 15 |
| | | | |