| Q.P. Code: 20CS0501 | | | | | | | | | | | | R | R20 | | |
|--|--|--|---------|------------|---------|----------|----------|---------|---------------|--------|----------|----------|------------|----------|-----------|
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| SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS) | | | | | | | | | | | | | | | |
| B.Tech I Year I Semester Supplementary Examinations November-2022 | | | | | | | | | | | | | | | |
| | | | | | ROG | | | | | | | | | | |
| - | L:m | e: 3 hours | (C | ommo | on to C | CE, AC | GE, C | SE, CS | SIT, C | SM, C | CIC, C | AD & | cCC) | Mars M | 1 60 |
| Time: 3 hours (Answer all Five Units $5 \times 12 = 60$ Marks) | | | | | | | | | | | | | | | rks: 60 |
| | | | | | (Ans | swer al | ll Five | | - | 2 = 6 | 0 Mar | ks) | | | |
| UNIT-I | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | eger. | L3 L4 | 6M | | | |
| | U | b Explain about precedence and associativity in C. | | | | | | | | | | | | L4 | 6M |
| 2 | | | | | | | | | | | | atement. | L3 | 6M | |
| | b | Different | | | | | | | | | 8 | | | L2 | 6M |
| UNIT-II | | | | | | | | | | | | | | | |
| 3 | a | a What is 2D array? Write the syntax for declaring and initializing 2D array with | | | | | | | | | | | | th L3 | 6M |
| | b | example.b Write a C program for displaying smallest element in array. | | | | | | | | | | | | | 6M |
| | OR | | | | | | | | | | | | | L3 | UIVI |
| 4 | Define String. Explain the different string handling functions with example. | | | | | | | | | | ole. | L2 | 12M | | |
| | | | | | | | | UNIT | -III | | | | | | |
| 5 | a | Define po | ointer. | Write | the sy | ntax f | or dec | laring | point | er wit | h exar | nple. | | L4 | 4M |
| | b | b Explain the concept of array of pointers with examples. | | | | | | | | | | | | | 8M |
| (| - | T11 | 1. | C (| 1.0 | • 1 | •. • • • | OF | | | | | | | |
| 6 | a h | Illustrate t | | | | | | | T | | | | | L3 L4 | 6M |
| | D | b Give difference between the structure and union. | | | | | | | | | | | | | 6M |
| 7 | a | a Distinguish between stacks and queue. | | | | | | | | | | | | | |
| 1 | a b | State any | | | | - | | queu | es | | | | | L4 L1 | 6M 6M |
| | 10 | ~~~~~ | the up | spireu | | OR | | | | | | | | | UIVI |
| 8 | Im | plement th | e follo | wing | single | linked | l list o | | | | | | | L5 | 12M |
| | i)Insertion ii)Deletion iii) Searching an element | | | | | | | | | | | | | | |
| | | | | | | | | UNIT | $-\mathbf{V}$ | | | | | | |
| 9 | | Order the 145,34,12,4 | | • | | <u> </u> | g merg | ge sort | | | | | | L4 | 6M |
| | | Explain in | | | | | nple. | | | | | | | L3 | 6M |
| | | | | | | | | OR | 2 | | | | | | |
| 10 | | Compare b | | | | | | techn | iques. | | | | | L4 | 6M |
| | b | Explain Li | near S | earch | with A | Algorit | thm. | | | | | | | L4 | 6M |

*** END ***

