Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
Seat No : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Paper IV(**Robotics and Artificial Intelligence **)**

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|  | | | | |
| 1 |  | Write a program to create a robot  (i) With gear  (ii) Without gear  and move it forward, left, right |  |  |
| 2 |  | Write a program to create a robot with a two motor and move it forward, left, right |  |  |
| 3 |  | Write a program to do a square using a while loop, doing steps with a for loop, to change directions based on condition, controlling motor speed using switch case, |  |  |
| 4 |  | Write a program to create a robot with light sensors to follow a line |  |  |
| 5 |  | Write a program to create a robot that does a circle using 2 motors |  |  |
| 6 |  | Write a program to create a path following robot |  |  |
| 7 |  | Write a program to resist obstacles |  |  |
| 8 |  | Write a program to implement Torch following robot |  |  |