



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

InSem Examination-II Summer 2025	
Exam Seat No.:	
Academic Year: 2024-2025	Semester: VI
Class: TY	Program: B.Tech
Branch Code: ROB	Pattern: 2022
Name of Course: Sensor Technology	Course Code: ROB223011
Max. Marks: 30	Duration: 1:15 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains ____1____ page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last column indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Marks CO

Question No. 1

- 1 a) Explain the characteristics of sensor in measurement system (7) CO1, CO2, CO3

Question No. 2

- 2 a) Explain the classification of sensor in measurement system. (8) CO1, CO2, CO3

OR

- 2 b) Draw the measurement system and explain the role of transducer in measurement system. (8) CO1, CO2, CO3

Question No. 3

- 3 a) State different types of gas sensor and explain catalytic gas sensor. (7) CO1, CO2, CO3

Question No. 4

- 4 a) State different types of proximity sensor and explain capacitive proximity sensor. (8) CO1, CO2, CO3

OR

- 4 b) Explain the hall effect sensor and state its applications. (8) CO1, CO2, CO3

..... End of question paper.....