

Seat No. **MAR_APR 2025 SUMMER EXAMINATION**

1156 Master of Technology
Sub. Name: Computer Vision
Sub. Code: 72251

Day and Date: JUNE ,09-06-2025**Total Marks: 70****Time: 10:30 AM To 01:30 PM****Instructions:**

- Special Inst.:**
1. Question no. 6 is compulsory
 2. Solve any four questions from Q. No. 1 to Q. No.5
 3. Assume suitable data wherever necessary
 4. Figures to the right indicate full marks

- Q1)** a) Demonstrate grayscale resolution. **8M** [15]
 b) illustrate Image sampling and Quantization. **7M**
- Q2)** a) What is the purpose of color model? Explain RGB color model. **8M** [15]
 b) What is meant by histogram of an image? Discuss the significance of histogram equalization. **7M**
- Q3)** a) Explain Emerging Applications of computer vision. **8M** [15]
 b) Demonstrate lossy compression. **7M**
- Q4)** a) Explain Image Segmentation techniques. **8M** [15]
 b) Compare role of Compass operators and Gradient operators in image analysis. **7M**
- Q5)** a) Explain Various International Image Compression Standards. **8M** [15]
 b) Explain Range Image Segmentation. **7M**
- Q6)** Write a short note on: (Any 2) [10]
 a. Character Recognition
 b. TINA
 c. Cosine Transform

End Of Question Paper**Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -**

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (1156) Master of Technology (CBCS) (72251) Computer Vision Part 1 SEM 2