Total number of printed pages–5

2021

DIGITAL IMAGE PROCESSING

Paper : EC 714

Full Marks : 100

Time : Three hours

The figures in the margin indicate
full marks for the questions.

Answer **any five** questions.

1. *(a)* State Nyquist criteria in 2D sampling. State ideal sampling and practical sampling in image processing. **15**

   (b) State a few applications of image proeessing in astronomical science. **5**

2. *(a)* Show that in uniform quantization, the mean quantization error = $\dfrac{\Delta^2}{12}$, where Δ is the step height for quantization. **10**