Q1/   Why do we need digital image processing?

Q2/   What is the digital image?

Q3/   What is digital image processing?

Q4/   How the imaging machines advance our pictorial information?

Q5/   What are the electromagnetic waves?

Q6/   What is positron emission tomography (PET)? And how it works?

Q7/   How the X-rays generated in the industrial fields?

Q8/   What is the computerized axial tomography (CAT)? how it works?

Q9/   In the equation $f(x, y)$, what does f represent:

a) Intensity

b) Distortion

c) Transparency

Q10/   In the equation $f(x, y)$, x represent the:

a) Row index

b) Column index

Q11/   **True** or **False**, the Segmentation process is the process that enhance the features of the image?

Q12/   In the image processing systems, why do we need a digitizer?

Q13/   Mention 6 components in a general-purpose digital image processing system