

Total No. of printed pages = 3

19/2nd Sem/UCE 201

2022

**ENGINEERING DRAWING AND
COMPUTER GRAPHICS**

Full Marks – 100

Time – Three hours

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

Answer any *five* questions.

1. Answer the following questions : $5 \times 4 = 20$

- (a) Define engineering drawing.
- (b) Name different types of drawing instruments.
- (c) What are the standard sizes of drawing sheets according to I.S.I. and which is suitable for drawing work ?
- (d) List out the contents of title block and material list.

[Turn over

2. Answer the following questions : $5 \times 4 = 20$

- (a) What are the main requirements of lettering ?
- (b) What do you mean by uniformity of letters ?
- (c) What do you mean by single stroke letters ?
- (d) What is the gothic and roman lettering ?

3. Answer the following questions : $5 \times 4 = 20$

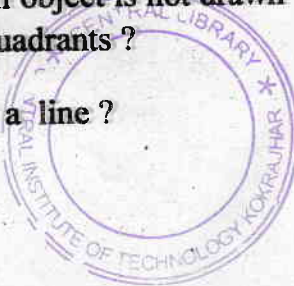
- (a) What is the importance of dimensioning ?
- (b) What is dimensioning ?
- (c) What is a cutting plane or section plane ?
- (d) What do you mean by sections of solids ?

4. Answer the following questions : $5 \times 4 = 20$

- (a) What do you understand by V.T. and H.T. of section plane ?
- (b) What are the types of orthographic projections ?
- (c) Why the projections of an object is not drawn in second and fourth quadrants ?
- (d) What is true length of a line ?

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5. Answer the following questions : $5 \times 4 = 20$

- (a) What do you mean by projections of a straight line ?
- (b) What is inclination of a straight line ?
- (c) Define a plane.
- (d) What are the types of planes ?

6. Answer the following questions : $5 \times 4 = 20$

- (a) What is a solid ?
- (b) What are different types of solids ?
- (c) What is the difference between prism and pyramid ?
- (d) What is an isometric view ?

