Roll no._____ **ID:220015**

Semester – 1st

Branch: Common

Subject Name: Engineering Graphics

Time Allowed: 3 Hrs. **MM: 60**

Section –A

Note: Multiple Choice questions. All questions are compulsory. 6x1=6

Q.1 The instrument used for drawing straight lines __. (CO4)
a) T-square b) Set square
c) both (a) and (b) d) None of these

Q.2 Which grade of pencils are used for drawing light construction lines? (CO4)
a) 2H b) 3H
c) 1B d) HB

Q.3 Which type of line is a part of dimension? (CO4)
a) Break lines b) Phantom lines
c) Cutting plane lines d) Extension lines

Q.4 The exposed or 'cut' surface of the material is indicated by (CO2)
a) dashed lines b) Centre lines
c) thick lines d) Hatching lines

Q.5 Isometric projection is a _____ view of the orthographic projections (CO2)
a) single b) two
c) three d) six

Q.6 Shortcut for line command is _____. (CO5)
a) LI b) L
c) LE d) LR

Section-B

Note: Objective/Completion type questions. All questions are compulsory.6x1=6

Q.7 Name different type of engineering drawing. (CO4)

Q.8 A mini drafter eliminated the need of _____. (CO4)

Q.9 The section lines are also called as _____ lines. (CO2)

Q.10 What is Section line? (CO2)

Q.11 What do you understand by letter strokes? (CO4)

Q.12 Name three categories of lettering according to proportion of width and height of letters. (CO4)

Section –C

Note: Short answer type Questions. Attempt any eight questions out of ten questions. 8x4= 32

Q.13 Explain drafting machine with the help of neat sketch. (CO4)

Q.14 What are the uses of different line types. (CO4)

Q.15 Draw the following free hand take size equal to 35mm height "ENGINEERING DRAWING". (CO4)

Q.16 Explain different methods of dimensioning. (CO4)

Q.17 Draw a pentagon when length of a side is 55 mm. (CO1)

Q.18 Construct a scale of 2cm = 1m to show meters and decimeters and is long enough to measure upto 4 meters. (CO4)

Q.19 State the procedure of constructing a diagonal scale. (CO4)

Q.20 What is the principle of 3rd angle projection. (CO1)

Q.21 Draw the projection of a point A which is 15 mm above H.P. and 20 mm in front of V.P. (CO1)

Q.22 Show the projections of point situated in third quadrant. (CO1)

Section-D

Note: Long answer questions. Attempt any two questions out of three questions. 2x8=16

Q.23 A cone of base diameter 40 mm and axis 50 mm has a generator in V.P. and the axis parallel to the H.P. Draw its projection in 1^{st} angle projections. (CO2)

Q.24 Draw the development of a right circular cylinder of diameter 60 mm and height 35 mm. (CO3)

Q.25 Draw different views of Hexagonal nut. (CO1)