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DEPARTMENT: MECHATRONICS ENGINEERING

MATRIC NO: 18/ENG05/002

TITLE: CAM

ENGINEERING DRAWING ASSIGNMENT

ENG232

18/ENG05/002

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Matric No: 18/ENG05/002

Department: Mechatronics Engineering

Engineering Drawing Assignment

ENG 232 Calculations

radius of cam = 30mm

$$r = 30\text{mm}$$

$$2\pi r = \frac{2 \times 22 \times 30}{7} = 188.52\text{mm}$$

① solution for $0^\circ - 90^\circ$

$$= \frac{90}{360} \times 188.52 = 47.13\text{mm}$$

② solution for $90^\circ - 150^\circ$

$$= \frac{60}{360} \times 188.52 = 31.42\text{mm}$$

③ solution for $150^\circ - 210^\circ$

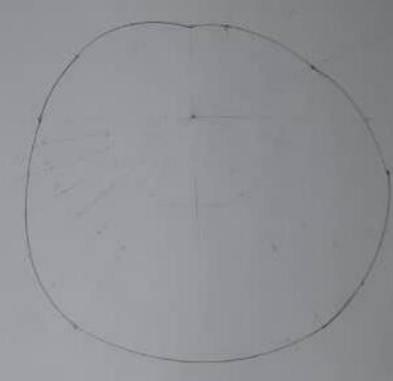
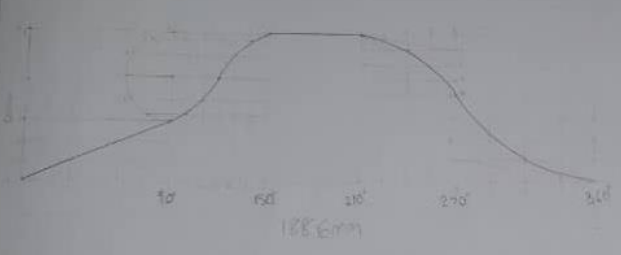
$$= \frac{60}{360} \times 188.52 = 31.42\text{mm}$$

④ solution for ~~210~~ $210^\circ - 270^\circ$

$$= \frac{60}{360} \times 188.52 = 31.42\text{mm}$$

⑤ solution for ~~370~~ $270^\circ - 360^\circ$

$$= \frac{90}{360} \times 188.52 = 47.13\text{mm}$$



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DATE	29 07 2020