

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF INDUSTRIAL & TECHNOLOGY EDUCATION

FIRST SEMESTER 2019/2020 SESSION EXAMINATION

COURSE TITLE/CODE: Technical Drawing II (ITE 217).

TIME ALLOWED: 2 Hours

INSTRUCTION: Attempt (3) questions.

Question 1. Draw the first angle projection of fig 1. below. A front view looking in the direction of arrow A.

Question 2.

- a) A cone of base 60 and height 70 mm rests with its base on H.P. A section plane perpendicular to V.P and inclined at 30° to H.P bisect the axis of the cone. Draw the development of the lateral surface of the truncated cone.
- b) Draw the sectional view of the fig. 1 in the direction of arrow x-x.

Question 3.

- a) A circle of 40mm rolls along a straight line without slipping. Draw the Cycloid, traced out a point P on the circumference, for one complete revolution of circle.
- b) Draw the development of the lateral surface of the prism in fig.2

Question 4.

- a) Draw the development of a truncated cylinder in fig.3
- b) Draw the sectional view in the direction of the arrow A-A in fig. 4.