Sheet No. 13 – Development of surfaces

1. Draw the development of the lateral surfaces of the portion of the following, front views of whichare shown in fig.(*For figures shown , assume each square to be of 10mm side.)*

a) A hexagonal prism having a face parallel to the V.P.

b) A square prism, all faces equally inclined to the V.P.

c) A hexagonal pyramid having side of base parallel to the V.P.

d) A pentagonal pyramid having side of base parallel to the V.P.

e) Portion of the cylinders

f) Portion of the cones

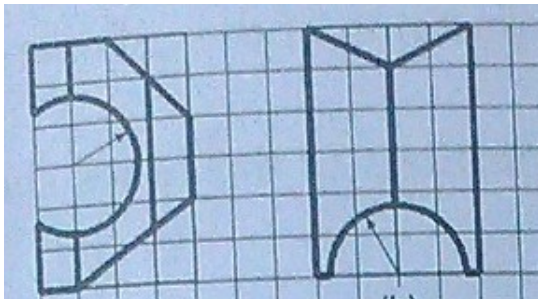

Fig a Fig b

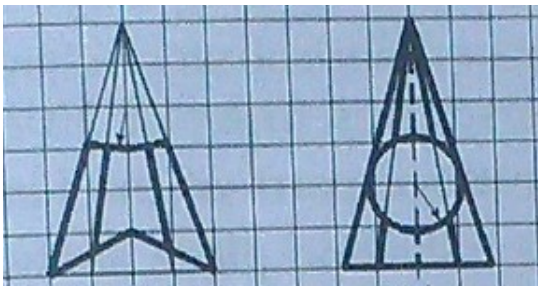

Fig c Fig d

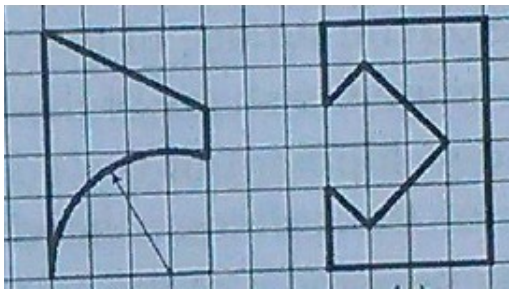

Fig e

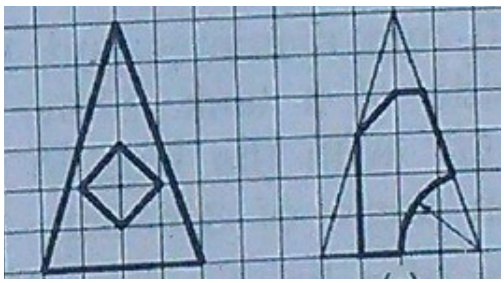

Fig f

4. Draw the projections of a cone resting on the ground on its base and show on them, the shortest path by which a point P, starting from a point on the circumference of the base and moving around the cone will return to the same point. Base diameter of cone is 61 mm and axis is of 75 mm long.