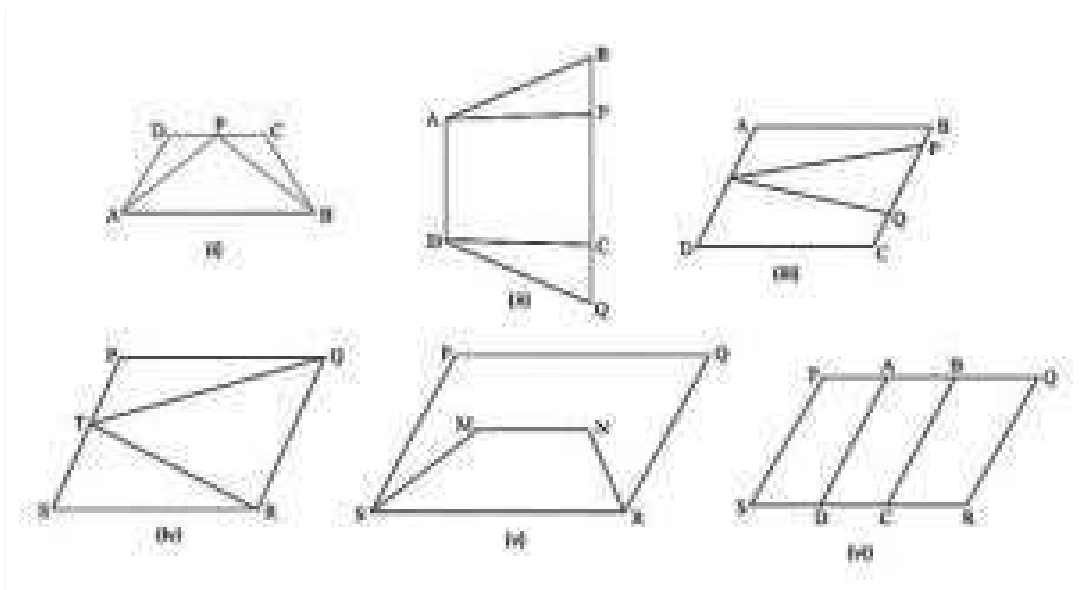


Q 1. Which of the following figures lie on the same base and between the same parallels. In such a case, write the common base and two parallels:

SOLUTION :



- (i) $\triangle PCD$ and trapezium ABCD are on the same base CD and between the same parallels AB and DC.
- (ii) Parallelograms ABCD and APQD are on the same base AD and between the same parallels AD and BQ.
- (iii) Parallelogram ABCD and $\triangle PQR$ are between the same parallels AD and BC but they are not on the same base.
- (iv) $\triangle QQR$ and parallelogram PQRS are on the same base QR and between the same parallels QR and PS.
- (v) Parallelograms PQRS and trapezium SMNR are on the same base but not between the same parallels.
- (vi) Parallelograms PQRS, AQRD, BCQR are between the same parallels. Also, parallelograms PQRS, BPSC, APSD are between the same parallels.
- (vi) Parallelograms PQRS, AQRD, BCQR are between the same parallels. Also, parallelograms PQRS, BPSC, APSD are between the same parallels.