Pair of lines and Transversal Ex 15.1 Q1

Answer :

(i) BC ∥ DE

(ii) AB ∥ DC and AD ∥ BC

(iii) AB ∥ DC and AD ∥ BC

(iv) PQ ∥ TS, UT ∥ QR and UP ∥ SR

(v) AB ∥ DC ∥ EF, AD ∥ BC and DE ∥ CF

(vi) BC ∥ EF, AB ∥ DF and AC ∥ DE

Pair of lines and Transversal Ex 15.1 Q2

Answer :

AH ∥ DG ∥ CF ∥ BE, AB ∥ DC ∥ GF ∥ HE, and AD ∥ HG ∥ EF∥ BC

Pair of lines and Transversal Ex 15.1 Q3

Answer :

In the given position, segments AB and CD don't intersect, but they can if extended to a point.
No, they are not parallel, as the distance between them is not constant.

Pair of lines and Transversal Ex 15.1 Q4

Answer :

(i) T (It is true for only two co-planar lines)
(ii) F
(iii) T
(iv) F (Two coplanar rays may neither be parallel nor intersecting)
(v) T (Line segment is part of a line or a ray)
(vi) T (Line segment is part of a line or a ray)
(vii) T
(viii) F
(ix) T
(x) T

********** END **********