Pair of lines and Transversal Ex 15.2 Q1

Answer :

(i) Alternate Interior angles are: ∠BGH and ∠CHG, ∠ AGH and ∠DHG
Alternate Exterior angles are: ∠AGE and ∠DHF, ∠ EGB and ∠CHF
Corresponding angles are: ∠EGB and ∠GHD, ∠EGA and ∠GHC, ∠BGH and ∠DHF, ∠AGH and ∠CHF

(ii) The alternate angle to ∠d is ∠e and alternate angle to ∠g is ∠b.
The corresponding angles to ∠f is ∠c and ∠h is∠a.

(iii) In the given figure, 'l' is a transversal line to 'm' and 'n'.
So, the alternate angle of ∠ PQR is ∠ QRA.
The corresponding angle of ∠ RQF is ∠BRA.
The alternate angle of ∠PQE is∠BRA.

(iv) Interior angles on the same side of the transversal line 'n' are: ∠d and ∠ f, ∠a and ∠e.
Exterior angles on the same side of the transversal line 'n' are: ∠c and ∠g, ∠b and ∠h.

Pair of lines and Transversal Ex 15.2 Q2

Answer :

(i) c

(ii) a

(iii) b

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