Verifying Student 9d: 1705008 Student 9d: 1705091 Chapter: 1 Section: 1 Exercise No: 11 Let P and 2 be the propositions p: 9+ is below freezing Exercise: q: 9+ is snowing Write these prepositions using p and 2 and logical connectives (including regations). (a) 9+ 95 below freezing and mowing. (b) 9+ is below freezing but not mowing. (c) 9+ is not below freezing and it is not snowing. (d) 9t is either mowing on below freezing. (e) 9f it is below. freezing, it is also snowing. $\rho \rightarrow 9$

(f) Either it is below freezing on it is nowing if snowing but it is not snowing if it is below freezing. snowing, but it is not snowing if it is below freezing.

 $(p \vee q) \longrightarrow \wedge (p \longrightarrow \neg q)$

(9) That it is below freezing in necessary.

and sufficient for it to be snowing.

> P → 2