

Ujjwal Deyesh 2*

5/10

10-SE-02.

Ans#1 Its truth value is "False" because here "p" is true and "q" is false so $p \rightarrow q = \text{False}$ as we know that when

p	q	$p \rightarrow q$
T	F	F

0/1

Q#2.

1/3

Contra positive: whenever it is not raining the home team doesn't win.

Converse: whenever it is raining the home team wins.

Inverse: The home team doesn't win whenever it is not raining.

Q#3. No. its not a proposition.

Q#4. $p \vee q$

Q#5 Re-state:
(i) If it is well structured the program will be readable.

(ii) The program will be readable only if

Q#6.

p is f $r = f$ $q = t$.

p	q	\bar{p}	\bar{q}	$\bar{p} \rightarrow \bar{q}$
f	t	f	f	f

p	q	r	$(p \rightarrow q) \wedge (q \rightarrow r)$
f	t	f	F

✓
✓
✓