

14. Convert the following Boolean expression into standard POS term:-

$$(A+B+C) \cdot (B'+C+D) \cdot (A+B'+C'+D)$$

$$\rightarrow (A+B'+C+D) (B'+C+D+A \cdot A') (A+B'+C'+D)$$

$$= (A+B'+C+D \cdot D') \cdot (B'+C+D+A \cdot A') (A+B'+C'+D) \cdot 1$$

$$= (A+B'+C+D) \cdot (A+B'+C+D') (B'+C+D'+A)$$

$$(B'+C+D'+A') (A+B'+C'+D)$$

$$= (A+B'+C+D) (A+B'+C+D') (A+B'+C+D')$$

$$(A+B'+C+D') (A+B'+C'+D)$$