The personality dimension of Sensation Seeking has emerged as a remarkably distinct concept in the present investigation. The relative independence of different dimensions of Sensation Seeking in Form V testifies to the psychometric merit of the questionnaire. The clearcut differences between males and females on Sensation Seeking establishes the scientific basis of the male-female differences on some behavioural aspects. The positive association of Sensation Seeking with Extraversion, Psychoticism, Impulsiveness, Venturesomeness, Machiavellianism, needs for dominance and autonomy and Vividness of mental imagery and a negative association between Sensation Seeking and needs for order and nurturance and Lie (Social Desirability) Scale are the highly sharp contours of the present investigation. Probably one can state with confidence that Sensation Seeking is a definite personality dimension underlying many behavioural outcomes among male and female populations. The future researchers could consider these cues while formulating work in different groups, populations and cultures. As highly significant relationship emerged between Sensation Seeking and gambling, drug and alcohol usage, it clearly implies that the intervention strategies must consider the basic personality structure of Sensation Seeking if the aim is appropriate control, optimization and behaviour modification in these specific problem areas.