

BCM SCHOOL BASANT AVENUE FUGRI ROAD LUDHIANA
CLASS XI - SCI.
PERMUTATIONS AND COMBINATIONS

ANSWER KEY OF CH 7 PERMUTATIONS AND COMBINATIONS	
1	B
2	A
3	A
4	$2({}^{20}C_5 \times {}^{20}C_6)$
5	481
6	(i)48 (ii)72
7	r=3
8	(i) $5! \times {}^6P_5$ (ii) $2! (5! \times 5!)$ (iii) $10! - 5! \times 6!$
9	${}^7C_2 + {}^6C_3 = 41$
10	(i)2860 (ii) 13^4 (iii) 495 (iv)105625 (v)29900

