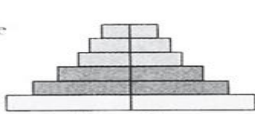
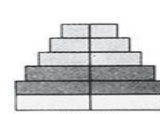
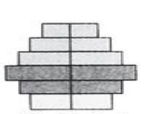


**BCM SCHOOL BASANT AVENUE, DUGRI ROAD LUDHIANA**  
**XII BIOLOGY**  
**ASSIGNMENT ANSWER KEY**

<b>1</b>	Due to greater species diversity/ presence of endemic species
<b>2</b>	(a) – Ammensalism (b) – Predation
<b>3</b>	(a) (i) A is a conformer Cannot maintain homeostasis / constancy of internal environment by physiological means / their body temperature (osmotic conc. of body fluids ) changes with the ambient temperature (ii) Regulators Maintain homeostasis by physiological means / capable of thermoregulation / maintain a constant body internal environment (b) Loss of unnecessary sense organs , presence of adhesive organs / suckers to cling on to the host , loss of digestive system , high reproductive capacity
<b>4</b>	<p>(a)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Post-reproductive</p> <p>Reproductive</p> <p>Pre-reproductive</p>  <p>Expanding</p> <p>= 1</p> </div> <div style="text-align: center;">  <p>Stable</p> <p>= 1</p> </div> <div style="text-align: center;">  <p>Declining</p> <p>= 1</p> </div> </div> <p>(b) Planning of health / education / transport / infra-structure / finance / food / employment can depend on the age-pyramid analysis of a population / any other relevant point. (Any two explanation)</p>
<b>5</b>	(i) a - unlimited food and space                      b - limited food and space (ii) Curve a Carrying capacity / a given habitat has enough resources to support maximum possible number - beyond which no further growth is possible
<b>6</b>	a) Alexander Von Humboldt. (b) Within a region species richness increases with increasing explored area but only up to a limit. i.the slopes of regression lines are similar / unaffected distribution in an area / normal range ii.the slope of regression is steeper when we analyse the species area relationship among very large areas like entire continent (c) Z (slope of the line) regression co-efficient (d) If species richness is more / 0.62 - 1.2