

Question number	Answer	Mark
1	<p data-bbox="346 415 1155 653">B The only correct answer is B because the components of the fields due to Y and Z along the direction of the line between Y and Z are equal and opposite and the component of the fields from each of Y and Z perpendicular to the line from Y to Z are both down the page, so the resultant is down the page</p> <p data-bbox="346 695 1145 826">A is not the correct answer because the components of the fields due to Y and Z along the direction of the line between Y and Z are equal and opposite and there is no resultant component in that direction</p> <p data-bbox="346 835 1145 966">C is not the correct answer because the components of the fields due to Y and Z along the direction of the line between Y and Z are equal and opposite and there is no resultant component in that direction</p> <p data-bbox="346 974 1098 1000">D is not the correct answer because it is up the page</p>	(1)