

Question Number	Answer	Additional Guidance	Mark
7(a)(i)	<p>1. drawing that shows a head, mid piece and flagellum ;</p> <p>2, 3 and 4 any three labelled structures from :</p> <p>head</p> <p>mid piece</p> <p>flagellum</p> <p>mitochondria</p> <p>acrosome</p> <p>(haploid) nucleus ;;;</p>	<p>1. IGNORE labels when assessing this mark</p> <p>1. Flagellum must be longer than (head + midpiece)</p> <p>2. 3.and 4.ACCEPT phonetic spellings</p> <p>ACCEPT neck, middle piece</p> <p>IGNORE tail ACCEPT flagella</p> <p>ACCEPT one or several drawn in mid piece</p> <p>ACCEPT mitochondrion</p> <p>structure must be drawn in head</p> <p>IGNORE enzymes</p> <p>must be drawn in head</p> <p>DO NOT ACCEPT diploid</p>	(4)

Question Number	Answer	Additional Guidance	Mark
7(a)(ii)	<p>1. streamlined for ease of movement (through female reproductive tract) / eq ;</p> <p>2. flagellum for propelling sperm (through the female reproductive tract) / eq ;</p> <p>3. acrosome containing enzymes that break down the zona pellucida / eq ;</p> <p>4. mitochondria to provide energy for movement / eq ;</p> <p>5. nucleus to carry genetic material ;</p>	<p>2. ACCEPT idea flagellum allows it to swim</p> <p>2. ALLOW transferred error from labelling in 7a(i)</p> <p>4.ACCEPT mitochondria to produce ATP for movement / eq</p> <p>5. ACCEPT haploid nucleus to restore diploid number (of chromosomes) after fusion / eq</p>	(3)