

Question Number	Answer	Additional Guidance	Mark
4(a)	<ol style="list-style-type: none"> 1. prevents sperm from being washed out / eq ; 2. fertilisation more likely to occur ; 3. more offspring produced ; 4. ensures that male's genes are passed on / prevents other males from fertilising that female / eq ; 	<ol style="list-style-type: none"> 1.ACCEPT sperm remain / are still present in the female 2.e.g. increases chances of fertilisation 3.ACCEPT increases population 4. ACCEPT prevents another male mating with the female ACCEPT prevents another (hectocotylus / tentacle) from entering the female / siphon IGNORE references to preventing polyspermy 	(2)

Question Number	Answer	Additional Guidance	Mark
4(b)(i)	<ol style="list-style-type: none"> 1. a group of cells ; 2. with similar {structure / function / origin / eq} ; 	<ol style="list-style-type: none"> 1.ACCEPT cluster / mass 2.ACCEPT same / specific 	(2)

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4(b)(ii)	<ol style="list-style-type: none"> 1. stem cells (are present) ; 2. that can {give rise to specialised cells / differentiate / eq} ; 	<ol style="list-style-type: none"> 1.ACCEPT pluripotent / totipotent cells 2.ACCEPT that can divide into specialised cells 	(2)
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