

## Multiple Choice Answers

Q33: C

## Multiple Choice Answers

Q38: A

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4(a)(i)   | grasshopper / marmot ;                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4(a)(ii)  | grass → grasshopper → marmots / (corsac) fox → (steppe) eagle ;                                                                                                                                                                                                                                                                                                                                                                                      |
| 4(a)(iii) | <i>any two from:</i><br><i>idea that</i> energy is lost between each trophic level ;<br>named example of energy loss ;<br>if less energy available then less biomass can be supported ;                                                                                                                                                                                                                                                              |
| 4(b)(i)   | <i>any three from:</i><br><b>1</b> little genetic variation ;<br><b>2</b> increased risk of, genetic / inherited, disease ;<br><b>3</b> <u>inbreeding</u> / <u>inbred</u> ;<br><b>4</b> decreased heterozygosity / greater chance that an organism may be homozygous (recessive) ;<br><b>5</b> less likely to adapt to changes in the, environment / AW ;<br><b>6</b> increased susceptibility to (transmissible) disease ;<br><b>7</b> <b>AVP</b> ; |
| 4(b)(ii)  | <i>any four from:</i><br><b>1</b> (named) protection of habitat ;<br><b>2</b> ref to legislation protecting species / banning hunting ;<br><b>3</b> monitoring / tracking / named example of monitoring ;<br><b>4</b> education / awareness campaigns ;<br><b>5</b> provision of (named), food / nutrients / veterinary care ;<br><b>6</b> removal of predators ;<br><b>7</b> removal of invasive species ;                                          |
| 4(c)      | <b>X</b> – fertilisation ;<br><b>Y</b> – mitosis / cell division ;<br><b>Z</b> – <del>implantation</del> ;                                                                                                                                                                                                                                                                                                                                           |

## Multiple Choice Answers

Q35: B

## Multiple Choice Answers

Q36: C

## Multiple Choice Answers

Q36: A