

**Answer ALL questions.**

**Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

- 1** A student studied three different cells: an animal cell, a bacterial cell and a plant cell.

For each of the statements below, put a cross ☒ in the box that corresponds to the correct statement.

(a) DNA is located in the nucleus in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the bacterial cell only
- ☐ **C** two of the cells only
- ☐ **D** all three cells

(b) A cell wall is present in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the bacterial cell only
- ☐ **C** the plant cell only
- ☐ **D** two of the cells only

(c) Centrioles are present in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the plant cell only
- ☐ **C** two of the cells only
- ☐ **D** all three cells

(d) A cell surface membrane is found in

(1)

- ☐ **A** the bacterial cell only
- ☐ **B** the plant cell only
- ☐ **C** two of the cells only
- ☐ **D** all three cells



(e) Mitochondria are found in

(1)

- ☐ **A** the bacterial cell only
- ☐ **B** the plant cell only
- ☐ **C** two of the cells only
- ☐ **D** all three cells

(f) Ribosomes are found in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the bacterial cell only
- ☐ **C** two of the cells only
- ☐ **D** all three cells

(g) Smooth endoplasmic reticulum (SER) is present in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the bacterial cell only
- ☐ **C** the plant cell only
- ☐ **D** two of the cells only

(h) Amyloplasts may be present in

(1)

- ☐ **A** the animal cell only
- ☐ **B** the bacterial cell only
- ☐ **C** the plant cell only
- ☐ **D** all three cells

**(Total for Question 1 = 8 marks)**



P 3 9 8 8 5 A 0 3 2 4