

Health and Disease 2 MS

QUESTION 1

| QUESTION | ANSWER | EXTRA INFORMATION | MARKS |
|-------------|---|--|--------|
| a) | | <p>1 mark for each correct line mark each line from left hand box</p> <p>two lines from left hand box cancels mark for that box</p> | 3 |
| b) | reference to diet / less food / healthier food / balanced diet reference to exercise / activity | | 1 1 |
| c)i) | 27.77 / 27.78 / 27.8 / 27.7● | <p>correct BMI gains 3 marks accept 2 or more 7s after decimal point for 3 marks 27.7 gains 2 marks if answer incorrect: allow 1 mark for 3.24 allow 1 mark for correct answer based on incorrect (height)²</p> | 3 |
| c)ii) | overweight | <p>allow ecf from (c)(i) if no attempt at (c)(i) no mark can be awarded for (c)(ii)</p> | 1 |
| Total marks | | | |

QUESTION 2

| QUESTION | ANSWER | EXTRA INFORMATION | MARKS |
|-------------|---|---|------------|
| a)i) | lower percentage (of women) who died numerical reference to a pair of figures to show this | allow fewer (women) died allow any difference in a pair of figures | 1 1 |
| a)ii) | doctors were not transferring pathogens / bacteria / viruses / microorganisms / microbes | ignore reference to nurses allow fungi ignore disease / germs / infection | 1 1 |
| b) | any three from: •lower percentage of patients died (when doctors washed hands or in ward A) •large decrease or reference to proportional decrease •little / no difference / similar to ward B •continued drop (in ward A) | allow fewer for lower percentage ignore raw data | 3 |
| c) | any two from: •better understanding / knowledge of immunity •better / new drugs •sterilisation of equipment or isolation of patients or some infectious diseases wiped out or earlier identification / treatment of infections | accept ref to immunisation / vaccination accept examples, e.g. antibiotics / penicillin (discovered) allow better / new medicines ignore references to general hygiene | 2 |
| Total marks | | | |

QUESTION 3

| QUESTION | ANSWER | EXTRA INFORMATION | MARKS |
|----------|---|--|-------|
| a)i) | 64 | | 1 |
| a)ii) | 36 | allow e.c.f from (a)(i) i.e. 100 - answer given in (a)(i) | 1 |
| a)iii) | any one from: • only considers 16-year-olds • only about some / 5 countries | ignore lack of evidence allow does not refer to all ages allow does not refer to all countries | 1 |

| | | | |
|-------------|--|---|---|
| | | | |
| b) | the more exercise done the healthier a person is | allow the more exercise done the higher the health rating allow the less exercise done the lower the health rating | 1 |
| c) | having a high cholesterol level | | 1 |
| d)i) | antibodies | | 1 |
| d)ii) | antibiotics | | 1 |
| Total marks | | | 7 |