Human Biology Unit 2 Pregnancy Investigation

| NAME: DUE DATE: | | V | WEIGHTING: | |
|------------------|---|--|---|--|
| | | MARK: | / 60 = % | |
| PART A | A – EXERCISING DURING PREGNANCY | | [TOTAL = 18 MARKS] | |
| 1. | Some observations have indicated that mothers who avoid a premature birth than those who do little a. Propose a hypothesis that states a relationship pregnancy and time of birth b. Design, compile and produce a questionnaire less birth of their babies. The questions should be dor disprove your hypothesis. The questionnaid designing your questions, keep the following position of the questions need to be concise and guess or interpret what the question may be a frame the questions to include a variety answer • Ensure that you obtain enough inform disprove your hypothesis about exercise. There are many websites that give advice on more to look for 'questionnaire design'. Much of the but the principles can be applied to your questions word. How would you go about conducting your supparticipants? e. How many participants would be necessary to evaluate the principle or disproved? | eaflet that could be given lesigned so that the answere must contain at least coints in mind: I clear, the mothers shown as a seans by of answers, ie, yes, no, anation from your questioning and time of giving bit haking up questionnaires are advice is concerned which is a support your hypotherway? In particular, he was a search as a support your hypotherway? In particular, he was a search as a support your hypotherway? In particular, he was a search as a sea | bles – exercise during n to mothers after the vers will either support 15 questions. When uld not have to try to multiple choice, short onnaire to support or rth – use a search engine rith marketing surveys esis? how would you select | |
| PART I | B – MAINTAINING A HEALTHY PREGNANCY | | [TOTAL = 42 MARKS] | |
| 2. | To meet the requirements of the developing foetus a large quantity of blood needs to flow through the placenta. Describe the changes in the mother's body that make it possible for a lot of blood to flow through the placenta? [3 marks] | | | |
| 3. | List the dietary factors (including daily requirements and or limits) that a pregnant woman should consider in her diet? [5 marks] | | | |
| 4. | Weight gain during pregnancy is necessary and heaelse contributes to the weight gain? | althy. In addition to the | growing foetus, what [5 marks] | |
| 5. | Describe three benefits of exercise for a pregnant w | voman ? | [3 marks] | |

6. What is a congenital disorder? Explain your answer with an example?

[4 marks]

- 7. Why should pregnant women be particularly careful about smoking, consuming alcohol and taking other drugs? [2 marks]
- 8. Define a teratogen and give three examples of teratogens? [4 marks]
- 9. What environmental factors can affect the development of the foetus? Give examples to illustrate how the environmental factors you have mentioned can affect development [6 marks]
- 10. Why should pregnant women read labels of prepared foods and medicinal products? [1 mark]
- 11. What is foetal monitoring and why is it used? [4 marks]
- 12. Describe five different techniques (including how they are used) that are available to check the embryo, foetus or newborn for congenital disorders [5 marks]