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0637/01

May/June 2009

2 hours

No Additional Materials are required.

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a soft pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

Answer **one** question.

Write your answers in the spaces provided on the Question Paper.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
Section A	
Section B	
Section C	
Total	

This document consists of **8** printed pages, **3** lined pages and **1** blank page.

Section AAnswer **all** questions.For
Examiner's
Use**1** Explain each of the following.**(i)** How uniovular twins are formed.

.....

..... [2]

(ii) How binovular twins are formed.

.....

..... [2]

(iii) Which type of twins will always be the same sex? Give a reason for your answer.

.....

.....

.....

..... [2]

2 Explain the functions of the following parts of the male reproductive organs.**(i)** The testes

..... [1]

(ii) The scrotum

..... [1]

(iii) The seminal vesicle

..... [1]

- 3 Describe the appearance and the use of an incubator that is used in a Special Care Baby Unit.

(i) Appearance

 [4]

(ii) Use

 [2]

- 4 (a) (i) State how many chromosomes are normally found in each cell of the body.
 [1]

- (ii) Genes, which are found in chromosomes, influence many factors in the growth and development of a baby.
 Give **five** examples of these factors.

1 [1]

2 [1]

3 [1]

4 [1]

5 [1]

- (b) Name **six** genetic disorders.

1 [1]

2 [1]

3 [1]

4 [1]

5 [1]

6 [1]

5 Give **three** reasons for families being 'One-Parent'.

1 [1]

2 [1]

3 [1]

[Total: 30 marks]

*For
Examiner's
Use*

Section B

Answer **all** questions.For
Examiner's
Use

- 6 (a) Play is an important way of learning how to socialise with other children. Complete the following chart.

Type of play	Approximate age of child	Description of the type of play
Solitary play		
Parallel play		
Looking on play		
Co-operative play		

[8]

- (b) Suggest **four** ways to increase a child's social experience.

- 1
-
- 2
-
- 3
-
- 4
-[4]

(c) Explain **four** factors that affect social and emotional development.

- 1
-
- 2
-
- 3
-
- 4
- [8]

(d) Explain how a child can be encouraged to be emotionally healthy.

-
-
-
-
-
- [5]

7 (a) Explain the **six** needs of a child that are provided by a family.

- 1
-
- 2
-
- 3
-
- 4
-
- 5
-
- 6
- [6]

(b) Explain the differences between an **extended** family and a **nuclear** family.

.....

.....

.....

.....

.....

.....

.....

..... [5]

(c) Suggest **four** ways that parents can make a happy home life for their family.

1

.....

2

.....

3

.....

4

..... [8]

(d) Describe how parents' lives change after the birth of their first child.

.....

.....

.....

.....

.....

..... [6]

[Total: 50 marks]

Section C

Answer **(a)** or **(b)** of this question.

Write your answer on the following pages.

- 8 (a)** Accidents often happen to children in the home.

A First Aid Box is very important.

- (i)** Explain with reasons what you would include in a First Aid Box.
- (ii)** Describe the treatment a carer should carry out for each of the following:

A bruise

Choking

A cut

[Total: 20 marks]

OR

- (b)** Food poisoning can be very dangerous for a young child.

Describe how food can become contaminated by harmful bacteria.

Explain how food poisoning can be prevented in the home.

[Total: 20 marks]

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