UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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0637 CHILD DEVELOPMENT

0637/01

Paper 1 (Theory Paper), maximum raw mark 100

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2007 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2	Mark Scheme	Syllabus 🔗 er	
J -	IGCSE – October/November 2007	0637	
ection A		Syllabus 0637 Burger 0637 Burger Burg	
Any FOU	R from:	19	6.
•	resistant		°.C.
• porou			9
• non-i	ritant and comfortable		
	to put on and take off		
-	to wash and dry		
-	reight, soft and warm/suitable for climate	[4]	
(a) folic a	icid	[1]	
(b) Helps	prevent birth defects e.g. spina bifida	[1]	
(c) A <u>goo</u>	od source is required e.g.		
Liver			
Kidne			
	extract		
	green leafy vegetables e.g. Brussels sprouts		
	íale		
	spinach		
	extract	[4]	
Cere	als – must be a named food	[1]	
-	changes described e.g.		
	fices from parents – money/time ict freedom		
	ure and satisfaction		
 Hard 			
	lasting responsibility – care of babies to adolescence and b	eyond [2 x 2] [4]	
•	of the following:		
Anae			
	l group us Factor		
	us Factor nity to rubella		
 Hepa 			
	ble HIV (choice)	[2]	
16–20°C		[1]	

Pag	e 3 Mark Scheme	Syllabus er
	IGCSE – October/November 2007	0637
Any	THREE from:	22
•	Contractions	101.
•	Waters breaking	20
	Show	-C-C-
•	Backache	10
•	Nausea, vomiting, diarrhoea	Syllabus 0637 Indered [3]
Any	FOUR from:	
•	noisy	
	coughing	
	refusing to eat	
	eating earth	
	holding their breath until blue in the face	
	spitting	
	biting	
	head banging	
	refusing to sit on the potty	
	passing urine in the wrong place at the wrong time	[4]
•	having temper tantrums etc.	[4]
•	FOUR from:	
	child's usual routine-day	
	words child uses for a drink, special toy or toilet	
	where to find first aid kit	
	emergency telephone numbers where to find refreshments	
	how to use equipment e.g. TV	
	time parent/s are due back	
	bedtime routine	[4]
- 1		["]
(a)	Pictures of the baby in the uterus.	[1]
(b)	Baby's age	
	Baby's size	
ļ	Baby's position	
	Position of placenta	
	If there are twins etc	[3]

[Total for Section A: 30]

		2	
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Section B

- 10 (a) Each of THREE points must be explained
 - Any from:
- Cambridge.com Antibodies from mother – passed across placenta from mother's blood to babies blood in uterus
 - Babies born with protection against same diseases that mother has been immunised against
 - Breast milk also carries these antibodies, so babies supply continues
 - These antibodies survive for several months, all the time the baby becomes stronger. [3]
 - (b) One mark for each gap:
 - Red rash and usually swollen glands
 - Loud bouts of coughing which may end with a 'whoop'
 - Painful swellings near jaw on one or both sides
 - Chicken pox (varicella)
 - Fever, severe cold, cough, red rash appears on the face and spreads downwards after 4–5 days. [5]

(c)	By having the disease and having long-lasting immunity	
	Vaccination – vaccines	[2]

- (d) A description of any FOUR symptoms
 - Unusual paleness
 - A 'different' crying
 - Fever looks flushed and feels hot
 - Loss of appetite
 - Rash
 - Dark rings around the eyes or eyes look sunken
 - Vomiting or diarrhoea
 - Fretfulness
 - Unnaturally quiet and limp and shows no interest in anything

[4]

- (e) Points should be discussed:
 - Severe bleeding
 - Swallowing poison
 - Unconsciousness
 - Glazed eyes which do not focus
 - Fit or convulsion
 - Severe burns/pain
 - Blow to head
 - Severe diarrhoea or vomiting
 - Difficulty in breathing etc.
 - Very high fever
 - Animal bite





Р	age 7	Mark Scheme	Syllabus	A er
	V	IGCSE – October/November 2007	0637	No.
Sectio	n C			Camb
l2 (a)	2 (a) A high level response 14–20 marks will clearly show discussion of each of the three points in the question and a clear explanation of suitable activities.			he three to the three three three three three three to the three three to the three
	Answers	s could include:		YM .
	Cross	ector ekille		

Section C

Gross motor skills

- baby is able to sit securely for long periods
- may be walking but interspersed with crawling or bottom shuffling, or moving along furniture sideways
- usually holds on and walks around the furniture
- may walk without holding on
- able to sit down from standing
- can crawl upstairs

Fine motor skills

- baby holds onto her bottle/cup
- able to release an object from their hand deliberately and makes attempts to throw
- attempts to shuffle food onto a spoon
- steers spoon into mouth, sometimes misses, or upturns spoon before it arrives
- uses pincer grip to pick up small items

Emotional and Social

- shows fear of strangers
- shows preference for familiar carers to be near
- may have a kind of comfort e.g. blanket or thumb
- shows pleasure when sees a sibling or other familiar face
- begin to assist with daily routines e.g. holding out foot for sock to be put on
- enjoys socialising at mealtimes

Activities could include:

- treasure basket containing different articles of shapes, sizes and textures
- a cardboard box of bricks and safe household items •
- introduce a variety of food textures
- encourage use of bath toys for experimentation
- ensure baby can help with simple dressing to encourage independence
- take baby swimming or provide water play to encourage expression of feeling
- share books and discuss pictures

A mid level response 8-13 marks

Candidates may cover all aspects of the question but may not discuss or explain answers and respond in 'bullet points'.

Answers may not cover all aspects of question.

A low level response 0-7 marks.

Superficial answers - may not cover all aspects, with limited or no discussion or explanation of answers.

Page 8	Mark Scheme	Syllabus Syllabus
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explain an	el response 14–20 marks, will clearly show und d discuss their answers. should include:	erstanding of the bullet pol
- Donto	I depay acused by tee many sugary feeds in the	mouth for too long

- Dental decay caused by too many sugary foods in the mouth for too long
- Sugar left on teeth. Bacteria act on sugar to make acid wears away enamel goes on to leave nerves uncovered - pain
- Avoid giving sweet things encourage savoury tastes read labels on baby food tins and packets, even savoury varieties, rusks, baby drinks etc.
- If sweet food is given limit to meal times. Between meals it is better to drink milk or water as a drink
- Find other treats than biscuits or sweets and ask relatives to do the same, e.g. stickers, badges, crayons, colouring books, etc.
- If children are given sweets or chocolate eat all at once and after a meal
- Avoid giving baby juices or sugar sweetened drinks at bedtime or in a bottle, and keep drinking times short
- Ask pharmacist and Doctor for sugar free medication for your child if required
- Avoid drinks containing artificial sweeteners e.g. saccharine or aspartame if you do dilute at least 10 parts water to 1 part concentrate
- Start early as soon as your baby's teeth come through, type of and amount of toothpaste – establish a routine
- Gradually start to brush more thoroughly brushing all parts of the teeth twice a day. Develop 'games' to prevent a battle occurring
- Sit him on your knee, head resting on your chest as a good position then when child is older - stand behind child
- Could use damp gauze over finger with a tiny amount of fluoride toothpaste to clean child's teeth

A mid level response 8–13 marks. Candidate may cover all aspects of question but not at a great depth.

A low level response 0–7 marks. Superficial answer – may not cover all aspects, with limited or no explanation or discussion.