

**MARK SCHEME for the May/June 2012 question paper
for the guidance of teachers**

0637 CHILD DEVELOPMENT

0637/01

Paper 1 (Theory Paper), maximum raw mark 100

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Section A

1 (a) Umbilical cord.

- Links baby with placenta
- Contains blood vessels
- Takes away waste from baby
- Carries nutrients
- etc.

[Any 2 for 2 marks]

(b) Amniotic fluid.

- Enables foetus to float freely in early stages
- Allows limbs to stretch and flex
- Keeps constant temperature 37°C or body temperature
- To protect foetus/acts as a cushion.
- etc.

[Any 2 for 2 marks]

(c) Placenta.

- Conveys nutrients to the baby
- Supplies oxygen
- Gets rid of waste
- etc.

[Any 2 for 2 marks]

- 2 (1) The neck of the uterus opens
 (2) The baby passes through the birth canal
 (3) The baby becomes a separate person. Membranes, cord, placenta delivered

[3]

3 Minor cut. (Any two points from each)

- Wash with clean water
- Dry by patting with clean cloth
- Cover with a dry dressing and bandage

A nose bleed

- Sit upright
- Pinch soft part of nose for about ten minutes
- Repeat if necessary
- Take to hospital if bleeding does not stop

A minor burn

- Hold burn area under running cold water/bowl of cold water containing ice cubes
- Carry out either of the above for ten minutes.
- Pat dry
- Cover with gauze dressing
- etc.

[3 × 2 = 6 marks]

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4 Any five from:

- Shape of the body
- Colour of skin, hair and eyes
- Blood group
- The age teeth appear
- Size of hands and feet
- The maximum height to which a child grows
- etc.

[5 marks]

5 (a) Weaning: gradual changeover/from diet of milk to diet containing a variety both solid and liquid.

[2 marks]

(b) Any three from:

- Still seems hungry and restless after a feed
- Wakes early/before the next feed/is ready for the next feed
- Starts to suck fist
- Baby is getting bigger and developing fast
- Baby is showing an interest in food

[3 marks]

6 Any five from:

- Anaemia
- Blood group
- Rhesus factor
- Immunity to rubella
- Hepatitis B
- HIV
- etc.

[5 marks]

[Total: 30]

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Section B

- 7 (a) Six explained points required, at least two on each area.
- Keep food cold – to slow down the rate of bacterial growth
 - Keep food covered – to protect from dust, dirt and flies
 - Wash hands thoroughly and dry on a clean towel – to stop bacteria being transferred to the food
 - Keep kitchen clean – to stop bacteria on surfaces getting into the food
 - Do not sneeze or cough over food – to stop bacteria from nose and throat getting into the food
 - Cover cuts etc. – bacteria in wound will not get into the food
 - Do not lick fingers or smoke – to prevent bacteria from fingers or ash getting into the food
 - Keep raw meat separate – e.g. chicken may contain food poisoning bacteria which could get into cooked food
 - Cook food thoroughly – food must be cooked right through to make sure all bacteria are killed
 - Check dates on food – to be aware when foods are safe to eat
 - etc.

[6 × 2 = 12 marks]

(b) Bedroom. Any three from:

- Put safety catches on windows
- Use lockable tilt and turn windows
- Have good lighting
- Good storage space to avoid clutter
- Keep tables, chairs and beds away from windows etc.

[3 marks]

Stairs. Any three from:

- Safety gates at top and bottom
- Secure carpet
- Good clear lighting
- Check for wear and tear on floor covering
- Do not leave anything on stairs etc.

[3 marks]

Out of doors. Any three from:

- Remove poisonous plants etc.
- Cover ponds etc.
- Check fences for gaps
- Keep tools and chemicals locked up
- Secure rubbish bins etc.
- Keep toys in good condition, secure climbing frames etc.
- Place swings etc. on a soft surface

[3 marks]

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(c) At least one point for each area:

Exercise

- Strengthens and develops muscles
- Helps to prevent obesity
- Helps to sleep soundly at night
- etc.

Good diet

- Correct amount of nutrients for correct development
- Low fat
- Low sugar
- Low salt

[4 marks]

8 (a) Any five from:

- Quick and easy to use
- Comes in various sizes to fit the baby
- Available for day and night
- Comfortable, stretch waist
- Easy to fasten
- Helps to prevent nappy rash
- Waterproof outer
- Can be recycled
- Simple to dispose of, just throw away etc.

[5 marks]

(b) Two required

- Expensive
- Not environmentally friendly
- Disposal problems in home/society
- etc.

[2 marks]

(c) A discussion required, points should include:

- Loose and comfortable
- Easy to put on and take off
- Easy to wash and dry
- Lightweight, soft and warm/cool
- Non-irritant
- Porous
- Flame resistant
- No long ties/loose attachments
- etc.

8 marks available – discussion should contain four points to gain full marks.

(d) Child needs shoes when they start to walk/protect feet against damage or to keep them warm/dry.

[1 + 1 = 2 marks]

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(e) Seven points required:

- A low heel – to stop foot sliding forward
- A firm fitting heel – to support heel
- Light and flexible soles – to allow foot to move when walking
- Flexible uppers – so foot can bend
- Adjustable fastening – to give a good fit
- Room for growth – children's feet grow quickly and this prevents squashed toes
- Be wide enough – to allow toes to move
- Smooth inside – no hard seams that could dig into feet – can allow correct development of feet etc.

Four points with reasons required.

[4 + 4 = 8 marks]

[Total: 50]

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Section C

Either part (a) or part (b)

- 13–20 marks – High response – each section answered fully
7–12 marks – Medium response – each part attempted or parts answered in detail
0–6 marks – Low level response – answers lack detail or brief responses.

9 (a) (i) Answers may include in discussion some of the following – a list would not gain full marks
Through play children are allowed to:

- Discover
- Experiment
- Create
- Concentrate
- Express ideas
- Develop speech
- Develop muscles
- Invent
- Learn new skills
- Learn how to share
- Role-play
- Cooperate with others

Play prevents boredom reduces stress

Play diverts aggressive instincts

(ii) This should not be a list. Clear suggestions should be given. Points relating to physical development include:

- Right age for child
- Strong enough to play with
- Provide more than a temporary interest/appealing
- Safe to play with/meets safety standards
- Sufficient room for safe play
- Suitable safe position for e.g. climbing frame, trampoline etc.
- Suitable safe construction
- Suitable safe materials
- etc.

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(b) (i) Pre-school groups includes

- Playgroups
- Nursery schools
- Nursery classes
- Parent and toddler groups
- Church/religious groups

Takes place outside home so child meets a wider group of people etc.

(ii) Description of each required.

- Only child
- Child who has little chance to play with children of own age
- Children who live in a small flat
- Children who live in high rise buildings
- Children whose parents have difficulty in managing
- Children who do not have many toys at home
- Children from overcrowded homes
- Neglected children etc.

(iii)

- Socialisation
- Independence
- Language
- Physical development
- etc.

[Total: 20]