

CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

MARK SCHEME FOR the June 2002 question papers

0637 CHILD DEVELOPMENT

0637/1 Paper 1, maximum raw mark 100

These mark schemes are published as an aid to teachers and students, to indicate the requirements of the examination. They show the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

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*.

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UNIVERSITY of CAMBRIDGE
Local Examinations Syndicate

JUNE 2002

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARKS : 40

SYLLABUS/COMPONENT : 0637/1

CHILD DEVELOPMENT

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SECTION A

1. ONE mark for each correct answer. TWO required e.g.

Loose enough for movement/comfortable
 Easy to put on and take off
 Easy for child to take off for toilet needs.
 Washable
 Warm in winter /cool in summer.

- 2.i TWO marks for the correct answer
 Gastro-enteritis is the inflammation of the stomach and intestines.
 Sickness, diarrhoea or abdominal pains

- 2ii ONE mark for each correct answer, TWO required e.g.

Wash hands
 Sterilise equipment
 Do not leave made up feed at room temperature
 Put made up feeds in the fridge.
 Cover up the teat with a cap
 Use boiled water to make up the feeds.

- 3 ONE mark for each correct answer

40 weeks

4. ONE mark for the correct answer

This is an operation to remove the baby from the uterus.

5. ONE mark for each correct answer FOUR required e.g.

to be in good health
 to be free from infection
 not to be overweight
 give up smoking and alcohol
 not to take any drugs or medicines which may be harmful
 have a good, nutritious diet

6. i ONE mark for each correct answer TWO required e.g.

grasp

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walking
startle
rooting
sucking and swallowing
falling

6.ii ONE mark for each correct answer TWO required e.g.

hunger
thirst
discomfort
pain
tiredness
dislike of the dark
noise
boredom
colic
loneliness

7.i ONE mark for the correct answer

Genetics is the study of inheritance/inherited genes

7ii ONE mark for each correct answer TWO required e.g.

cystic fibrosis
haemophilia
thalassaemia
sickle-cell anaemia
muscular dystrophy
PKU (phenylketonuria)
Huntingdon's chorea

8. ONE mark for each correct answer TWO required e.g.

Using the eyes
Tone of voice
Expression on the face
Using the hands

9.i ONE mark for the correct answer

Development of a child's ability to control her/his feelings.

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9ii ONE mark for each correct answer TWO required e.g.

skin-to-contact
 eye-to-eye contact
 familiar smells
 familiar sounds.

10. ONE mark for each correct answer TWO required e.g.

Large shapes
 Bright colours
 Variety of textures
 Variety of noises

11a. ONE mark for each correct answer TWO required e.g.

lockable/a lock should be on the gate
 bars to be close together so hands, feet or head cannot get trapped
 too high to climb
 fitted firmly to the wall or doorway

11b ONE mark for each correct answer TWO required e.g.

cover the glass with clear plastic specially made for this purpose
 toughened glass can be fitted to any window or door.

Section B

12 a ONE mark for each correct answer FOUR required

food
 shelter
 warmth and clothing
 love and companionship
 protection and support

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care and training
secure environment

- b) TWO marks for the correct answer

Consists of parents and their children

- bii) TWO marks for each correct answer TWO required

Contact with other relatives is a choice

Privacy

Time together to spend as a family unit

Closer together/tighter bond

Rest of family too far away to interfere

- c) ONE mark for each correct answer THREE required

Divorce

Separation

Death of one parent

Births to single women

Imprisonment

Illness/long term hospitalisation

Long term working away from home

- d) ONE mark for each correct answer TWO required

Extended

Foster

Adopted

Step

- e) i) TWO marks for each correct answer TWO required

The way they were brought up

Baby-sitting

Experience of working with young children

Studying subjects i.e. Child development at school or college

Helping younger brothers or sisters.

- cii) ONE mark for each correct answer THREE required

other members of the family

friends

antenatal classes

health visitor

books

television programmes

- f) ONE mark for each correct answer THREE required

Children are hard work

Long lasting responsibility

Require sacrifices from the parents

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Restrict the parents freedom
Bring much pleasure and satisfaction

- g) ONE mark for each answer FOUR required

Parents who:
Love and respect each other and their children
Consider that the children are more important than the housework
Realise they are not perfect
Do not expect too much of their children
Realise that no child is perfect

- 13 a) ONE mark for each correct answer TWO required.

Missed period
Enlarged breasts
Darkening of skin around nipples
Nausea
More frequent passing of urine
Constipation

- b) ONE mark for the correct answer

Urine is tested for the pregnancy hormone

- c) ONE mark for each correct answer THREE required

Smoking
Alcohol
Drugs
Medicines

- d) TWO marks for the correct answer

Important in the early development of the baby and helps prevent defects i.e. spina bifida

- ei) TWO marks for the correct answer

German measles

- eii) TWO marks for the correct answer

dangerous in the first four months of pregnancy
baby may be born deaf, blind, mentally handicapped or with heart disease

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- f) One mark for each correct answer THREE required

Clothing should be:

Loose

Expandable

Supporting bra

Shoes should be:

Comfortable

Flat or low heeled

Supporting

- g) ONE mark for each correct answer TWO required

Blood pressure

Urine

Weight

Blood

Examination of the uterus

Baby's heartbeat

- h) ONE mark for correct answer

Non-identical twins

- i) ONE mark for the correct answer

They have their own placentas

- j) TWO marks for each correct answer SIX required

Miscarriage- when the baby comes out of the uterus accidentally and too early to survive on its own.

Ectopic pregnancy-when a fertilised egg implants itself in the Fallopian tube and grows there.

Amniocentesis-a hollow needle is inserted through the mother's abdomen into the uterus to collect some amniotic fluid for testing.

- 14a) ONE mark for each correct answer TWO required

Droplet infection e.g. sneezing, coughing etc.

Contact e.g. kissing, touching, using the same towel etc.

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b) ONE mark for the correct answer

Someone suffering from a disease who needs to be kept away from others because of the risk of infection.

c) TWO marks for each correct answer TWO required

Mumps-Painful swellings near the jaw on one or both sides
Whooping cough- Long bouts of coughing which may end in a whoop.

di) TWO marks for the correct answer

Being unduly sensitive to a particular substance which is harmless to most other people.

dii) ONE mark for each correct answer TWO required

peanuts
wasp/bee stings
pollen
housedust
strawberries
detergent/soap

e) ONE mark for each correct answer TWO required

Severe burn/scald
Electrocution
Choking /unable to breathe
Severe bleeding
Knocked unconscious

f) TWO marks for each correct answer SIX required

Burn-cold running water for 10 mins, dry and cover with a clean gauze

Nose bleed-sit upright, leaning slightly forward the nose should be nipped for 10 mins.

Swallowed poison-do not make the child sick, take the bottle/container and go straight to the hospital.

g) ONE mark for each correct answer SIX required

Clean-washing face, brushing hair
Hands to be washed
Bedclothes/nightwear to be changed often
Re-make bed every day
Room should be warm
Room should be well ventilated
Keep child comfortable
Keep child occupied

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Provide a tray with toys/games on.

15a) TWO marks for the correct answer

social development is the process of learning social skills and attitudes which enable individuals to live easily with other members of their community

b) ONE mark for each correct answer TWO required

the ability to mix, meet and communicate with others
 knowing how to share, take turns and accept rules
 having standards of cleanliness acceptable to others e.g. washing etc.
 eating in a manner which does not offend others.

c) TWO marks for the correct answer

Smiling
 Making noises when people are speaking to them
 Learns that coughing may get the attention he /she wants.

d) ONE mark for each correct answer TWO required

Solitary
 Parallel
 Looking -on
 Joining -in
 Co-operative

e) TWO marks for the correct answer

Play is important because whilst children are playing they are learning.

f) ONE mark for each correct answer THREE required

Enables children to find out about themselves and the world e.g. discover, invent, create, experiment,
 Helps towards happiness
 Helps prevent boredom
 Helps reduce stress
 Helps divert aggressive instincts

g) ONE mark for each correct answer THREE required

Right age for the child

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Strong enough for the child to use
 Provides more than temporary interest
 Safe to play with

ACCEPT ONE SAFETY POINT ONLY

gii) ONE mark for each correct answer TWO required

To use hands and eyes together
 To develop fine control
 To concentrate
 To persist and keep practising

ACCEPT ONLY ANSWER TO DO WITH PHYSICAL DEVELOPMENT

h i) ONE mark for the correct answer

Rope
 Plank
 Hammock
 Blanket
 Slide
 Ladder
 Net

ii) ONE mark for each correct answer SIX required

ADVANTAGES

Socialising
 Lasts a long time
 Different ages can use it
 Passed down
 Uses muscles-physical development
 Fresh air
 Uses up energy
 Assists with confidence
 Exercise
 Balance
 Co-ordination

DISADVANTAGES

Could cause accidents
 Expensive
 Takes up a lot of room in the garden
 May need maintaining

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Needs to be fixed safely to avoid accidents.

Section C

16. Marks are awarded depending upon the quality of the response.

A high level response 14-20

A good candidate will be able to explain why children need to be disciplined and suggest a range of methods to discipline a child.

Issues likely to include:

Making children more pleasant to live with and the importance of preparing children for adult life by controlling their own behaviour with self-control.

Danger may be considered- an unruly child can be a danger to others.

To consider the effect of lack of discipline which results in the child becoming rude, selfish, greedy, disobedient. Lack of respect.

Too much discipline can be harmful, constant nagging will result in the child becoming devious and doing things behind his/her parents' back.

Can lead to a poor relationship between parent and child.

Methods may include:

Parents setting a good example.

Praising rather than punishing.

Being consistent and meaning what they say.

Avoiding battles such as forcing the child to eat

Saying sorry when they have behaved badly

Not shouting at the child.

Accept-sending child to their room, time on their own, removal of sweets.

A mid range response 7-13

A mid-range ability candidate will offer an explanation on the need to discipline a child but it will lack depth and detail.

May be aware of the effects of lack of discipline.

Some methods will be suggested but these will lack any detail.

A low level response 0-6

The candidate will offer little in the way of an explanation.

The answer may show confusion and suggest very few methods of discipline , but smacking may be given.

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17. A high level response 14-20

A good candidate will show a wide knowledge of why parents require day-care provision for their children and will be able to suggest a wide variety of day-care provision.

Issues will include:

The parents are working or studying.

One parent is ill and the other is working.

The parents need a break from the demands of childcare.

They are one-parent families and the parent goes out to work.

The children benefit from contact with other children and adults.

Types of day-care provision:

Relatives-child knows the carer well -less problems with settling in.

Childminders-need to be registered, looked after in home of childminder, payment per hour.

Nannies- employed by the parents-child looked after in their own homes-nanny may or may not be qualified.

Day nurseries-provide all day care for children-may attend on a part-time or a full-time basis.

Creches-Provides full-time or part-time care-factories, hospitals, colleges and offices sometimes run a creche for their employees-can also be a place where parents can leave their child on a short time basis e.g. when shopping, at the gym etc.

Baby-sitters-look after children in the child's own home while parents are out-should be responsible enough-parents leave instructions for bedtime routines and emergency number in case of difficulties-allows parents to have a short break.

Amid range response 7-13

Candidates will give a limited explanation as to why parents need to have day-care for their children and a list of the different types available but it will lack detail.

A low level response 0-6

Candidates will only refer to the parents working and will offer little more and the list of types of day-care will be muddled and only covering one or two points.