

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

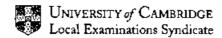
These mark schemes are published as an aid to teachers and students, to indicate the requirements of the examination. They show the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking 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.

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

CIE is publishing the mark schemes for the June 2002 question papers for most IGCSE and GCE Advanced (A) and Advanced Subsidiary (AS) Level syllabuses.





JUNE 2002

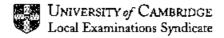
INTERNATIONAL GCSE

MARK SCHEME

TAYAXXIMI TAYARXAYA A IRA

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.j 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 t he 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

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 requirede.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
nnuscular dystrophy
PKU (phenylketonuria)
Huntingdon's chorea

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

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

9.1 ONE mark for the correct answer

Development of a child's ability to control ber/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

Ha. 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

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) | 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.

eii) 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 measies

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

b) 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
Cboking /unable to breathe
Severe bleeding
Knocked unconcious

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

gj) 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

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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.

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, seitish, greedy, discontinut. 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 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 response7-13

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.