



# **GCSE MARKING SCHEME**

**HOME ECONOMICS: CHILD DEVELOPMENT**

**SUMMER 2013**

## **INTRODUCTION**

The marking scheme which follows was used by WJEC for the Summer 2013 examination in GCSE HOME ECONOMICS: CHILD DEVELOPMENT. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conferences were held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conferences was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conferences, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

GCSE HOME ECONOMICS: CHILD DEVELOPMENT

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<p><b>Q.1</b> Award <b>1 mark</b> for <b>each</b> part of the question. [4]</p> <p>(i) Uterus lining breaking down (ii) Menstruation (iii) Ovulation (iv) Uterus lining thickening</p>
<p><b>Q.2</b> Award <b>1 mark</b> for <b>each</b> part of the question. [4]</p> <p>(i) Gynaecologist (ii) Health Visitor (iii) Obstetrician (iv) Midwife</p>
<p><b>Q.3</b> (a) Accept any <b>two</b> of the following for <b>1 mark each</b>. [2]</p> <ul style="list-style-type: none"><li>• No washing required/easier than washing nappies</li><li>• They are absorbent reducing possibility of nappy rash/don't leak</li><li>• They are easy to use/handle – put on the child</li><li>• Available in different versions, e.g. boy/girl, day/night</li><li>• They come in different sizes/good fit</li><li>• They are useful when travelling/easy to carry around</li><li>• Easy to dispose of/put straight in the bin</li><li>• More comfortable for baby</li><li>• Safer as no safety pins</li></ul> <p>NB. Accept reference to cost if qualified e.g. On special offer, cheaper than buying towelling, rubber pants, liners etc.</p> <p>Do not accept just cheaper.</p>
<p>(b) Accept any <b>three</b> of the following for <b>1 mark each</b>. [3]</p> <ul style="list-style-type: none"><li>• Change nappy frequently</li><li>• Make sure skin in rash area is completely dry before putting on new nappy</li><li>• Leave the nappy off for a few minutes each day</li><li>• Use barrier cream/or named cream e.g. Sudocrem</li><li>• Do not wash the skin with soap and water</li><li>• Reusable nappies must be thoroughly washed, rinsed and dried</li><li>• Ensure the genital area is kept as clean as possible</li></ul> <p>Do not accept use of talc.</p>

(c) Accept any **three** of the following for **1 mark each**.

[3]

- Lightweight
- Non-irritant/Comfortable (accept reference to named fabrics)
- Non flammable
- Appropriate for weather
- Easy to put on/remove (Velcro fastening)
- Easy to wash/dry/iron/laundry
- Allow for growth and movement/correct size/fit correctly/not too small, tight, loose
- Not to buy too many at one size as new born baby grows quickly
- Cost
- Pale colours
- No loose strings/buttons choking

**Q.4** (a) Accept any **two** of the following for **1 mark each**. [2]

- Genetics inherited/runs in the family
- Congenital disorder e.g. too many/too few chromosomes
- Damaged in womb (mother contracting German measles, not taking folic acid, listeriosis)
- Foetal alcohol syndrome/drugs/smoking – mum inflicted damage
- Mother is older – higher risk of Downs Syndrome
- Damage at the time of birth
- Events after the birth/injuries due to infections or accidents.

(b) Allow **1 mark** for correct answer. [1]

- Taking folic acid tablets
- Eating foods rich in folic acid in early stages of pregnancy (can accept just named food)

(c) Accept any **two** of the following for **1 mark each**. [2]

- Social interaction difficulties/withdrawn/world of their own
- Pay more attention to objects than people
- Lack awareness of other people
- Have learning difficulties
- Lack the ability to play
- Repeat activities
- Become upset when unfamiliar things occur
- May be aggressive
- Gifted
- Lack of eye contact
- Some obsessive traits e.g. all toys in straight lines
- Communication difficulties – speech.
- Unusual behaviour patterns: headbanging, rocking

(d) Accept any **two** of the following for **1 mark each**. [2]

- Breathing difficulties
- Prone to chest infections
- Food not digested properly
- Child fails to gain weight
- Weakened muscles
- Coughs
- Mucus congestion
- Problems with lungs

- Q.5** (a) (i) Award **1 mark** for correct answer from – fresh air: [1]
- Improves appetite
  - Promotes a good night's sleep/makes them more tired
  - Encourages development of supple muscles
  - Gives child more space to play/let off steam
  - Fit and healthy – better for lungs
  - Ensures they are out and about, not stuck in doors
- (ii) Award **1 mark** for correct answer from – exercise: [1]
- Improves general health
  - Strengthens muscles especially the heart and lungs
  - Gives children confidence in their abilities
  - Sets good patterns for future behaviour – active lifestyle
  - Makes children feel good/self-esteem
  - Strengthens bones
  - Reduces the risk of becoming overweight/obesity
  - Helps fine and gross motor skills
- (iii) Award **1 mark** for one correct answer from – sunlight: [1]
- Helps the skin produce Vitamin D
  - Helps absorption of calcium

- (b) Allow **1 mark** for the correct answer. [1]
- The **sudden**, unexpected death of a baby as it sleeps.
  - Cot death
  - Dies from no set cause/reason
- (Reference does not have to mention sleep.)

- (c) Award **1 mark** per given point. [4]
- Points that could be included in the answer
- Put the baby on their back
  - Position with their feet at the end of the cot/position baby appropriately (feet to foot!)
  - Use a firm mattress
  - Tuck the covers in well below the baby's shoulders
  - Ensure the room is 16-18°C/correct room temperature
  - Seek medical advice if the baby is unwell/attend regular medical check ups
  - Breastfeed if possible
  - Never let anyone smoke in the home
  - Never have a baby in bed with them
  - Never put the cot near a radiator/in direct sunlight
  - Keep the baby in parents' room for the first 6 months
  - No use of pillows
  - Sensible use of blankets/quilts/not too many blankets etc.
  - No bumpers on cots

<b>Q.6</b>	(a)	(i)	Award <b>1 mark</b> for correct answer. 12 -18 months (1-2 years )	[1]
		(ii)	Award <b>1 mark</b> for correct answer. 4-5 years	[1]
	(b)	(i)	Allow <b>1 mark</b> for correct answer. Holding of the pencil/object with their whole hand/use of a fist/palm of your hand	[1]
		(ii)	Allow <b>1 mark</b> for correct answer. Holding the pencil/object in adult fashion/thumb and finger/use of three fingers	[1]
	(c)		Criteria marked.  Points that could be included in the answer:  <ul style="list-style-type: none"> <li>• Fine motor skills</li> <li>• Hand and eye co-ordination</li> <li>• Imagination</li> <li>• Spatial awareness</li> <li>• Understanding of the world</li> <li>• Communication skills (discussions with family, friends)</li> <li>• Concentration</li> <li>• Respect/sharing/taking turns</li> <li>• Number skills/concepts</li> <li>• Vocabulary</li> <li>• Self-esteem</li> <li>• Enjoyment</li> <li>• Creativity</li> <li>• Can highlight colour blindness/sight issues</li> <li>• Can help express</li> </ul> <p><b>Award 0 –2 marks</b> Candidate identifies some points but little attempt to qualify, answer may resemble a list.</p> <p><b>Award 3 – 4marks</b> A planned and structured answer, many points identified and qualified.</p> <p><b>Award 5 marks</b> A planned and well-structured answer, most points identified with detailed discussion qualifying points. Specialist language used and largely error free.</p>	[5]

<p><b>Q.7</b> (a)</p>	<p>Award <b>1 mark</b> for correct answer. [1]</p> <ul style="list-style-type: none"> <li>• Modified cows' milk</li> <li>• Packet/dried/powder milk (for babies )</li> </ul> <p>Accept a named brand as displays understanding.</p>
<p>(b)</p>	<p>Award <b>1 mark</b> for a correct answer. [1]</p> <ul style="list-style-type: none"> <li>• Milk is a breeding ground for bacteria</li> <li>• Stop children being ill/gastroenteritis/food poisoning</li> <li>• Prevents germs passing to baby</li> </ul>
<p>(c)</p>	<p>Award <b>1 mark</b> for <b>each</b> correct answer. [2]</p> <ul style="list-style-type: none"> <li>• Electric steam steriliser</li> <li>• Microwave steriliser</li> <li>• Cold water sterilisation/chemical; tablets; liquid</li> </ul>
<p>(d)</p>	<p>Accept any <b>two</b> of the following for <b>1 mark each</b>. [2]</p> <ul style="list-style-type: none"> <li>• Blender (electric hand or mouli, mill/liquidising)</li> <li>• Fork</li> <li>• Potato masher/mashing</li> <li>• Sieve</li> <li>• Food processor/mixer (do not accept whisk)</li> </ul>
<p>(e)</p>	<p>Criteria marked. [5]</p> <p>Points that could be included in the answer:</p> <ul style="list-style-type: none"> <li>• Don't start weaning until baby 6 months</li> <li>• Sterilize all equipment</li> <li>• Offer very small amounts at first</li> <li>• Offer baby spoon of food after one milk feed in the day to start</li> <li>• Offer good bland food, e.g. baby rice</li> <li>• Other suitable foods are pureed fruits and vegetables</li> <li>• Do not add sugar or salt</li> <li>• Do not used wheat-based foods</li> <li>• Increase the amount of food very gradually</li> <li>• Never introduce more than one new food at a time</li> <li>• As food increases start to decrease milk</li> <li>• Never force feed a baby</li> <li>• Use foods appropriate for the stages</li> <li>• Persevere with weaning</li> </ul> <p><b>Award 0 – 2 marks</b> Candidates identify some points but little attempt to qualify, answer may resemble a list. Little or no use of specialist vocabulary.</p> <p><b>Award 3 – 4 marks</b> Explanation addressed a restricted number of points but meaning was clearly expressed and largely error free.</p> <p><b>Award 5 marks</b> A planned and well-structured answer, most points identified with detailed discussion qualifying points. Specialist language used and largely error free.</p> <p><b>Award maximum of 3 marks for just discussing stages no reference to starting weaning.</b></p>

**Q.8** (a) Award **1 mark** for **each** part of the question. [3]

- (i) 1-3 months
- (ii) 2-3 years
- (iii) 4-5 years

(Accept age in weeks, months.)

(b) Criteria marked. [6]

Points that could be included in the answer:

- Parenting style
- Sibling relationships
- Attachment/bonding
- Communication skills
- Self-esteem
- Temperament/personality
- Self-confidence
- Genetic factors
- Physical health
- Opportunities available to play
- Economic factors
- Cultural factors
- Poor nutrition
- Lack sleep
- Lack discipline
- Bullying at school
- Arguments/conflict in the home
- Divorced parents
- Lack of contact time with parents/peers
- Disabilities
- Environmental factors
- Bereavement

**Award 0 – 2 marks** Discussion reflects limited knowledge and understanding. Writing conveys some meaning although errors and poor expression hamper communication skills. Little or no use of specialist vocabulary.

**Award 3 – 4 marks** Discussion displays knowledge and understanding. Writing is structured to communicate meaning clearly and contains relatively few errors. The use of specialist vocabulary is evident and correct.

**Award 5 – 6marks** Discussion displays excellent understanding and application of knowledge. Writing is well-structured, fit for purpose, clearly expressed and largely error free. Specialist vocabulary is used appropriately.

**Answer must be balanced to cover social and emotional development.**

**Q.9** (a) Accept any **three** of the following for **1 mark each**. [3]

- Cultural heritage: different coloured skin, religion
- Wears different clothing
- Eats a different diet
- Child wears glasses
- Hearing aid
- Frequent asthma
- Physical disability/mobility problem: illness/obesity
- Learning difficulties
- Mental health issues/disabilities

(b) Criteria marked. [7]

Points that could be included in the answer:

(Credit any other realistic comments that encourage inclusive activities in a nursery environment; focus may be inclusive rather than cultural.)

- Provide a range of activities which celebrate cultural differences
- Multicultural foods
- Use of different cultural tools – cooking tools
- Celebrate the diversity of language through drama
- Celebrate through music
- Books and displays of positive images of children with disabilities
- Arrange activities to encourage children with special needs to participate fully
- Use sign language
- Full disabled access to all areas
- Involve parents/carers and families
- Make sure language is not prejudiced
- Posters with positive images – girls mending cars, boys domestic jobs
- Clothes/objects from around the world
- Whole class activities/singing in a circle
- Carry out team events/activities etc.
- Same rewards/punishments for all
- Displaying work across all abilities

**Award 0 – 2 marks** Discussion reflects limited knowledge and understanding. Writing conveys some meaning although errors and poor expression hamper communication skills. Little or no use of specialist vocabulary.

**Award 3 – 5 marks** Discussion displays knowledge and understanding. Writing is structured to communicate meaning clearly and contains relatively few errors. The use of specialist vocabulary is evident and correct.

**Award 6 – 7 marks** Discussion displays excellent understanding and application of knowledge. Writing is well-structured, fit for purpose, clearly expressed and largely error free. Specialist vocabulary is used appropriately.

**Q.10** (a) Criteria marked.

[10]

Points that could be included in the answer:

- **Hospital birth**
  - Equipment available for emergencies
  - Midwives always available
  - Other mothers to share experiences
  - Visits restricted so can rest/negative if difficult for relatives to visit
  - No cooking, cleaning
  - Epidural anaesthetic available
  - Dislike/stress if in hospital
  - Lack personal belongings/freedom
- **Home birth**
  - Familiar surroundings
  - Known midwife
  - No routine/more relaxing
  - No transport
  - More people at birth
  - Not disturbed at night
  - Less disruption for others in family/siblings
  - Not suitable if health issues/home unsuitable
- **Home-from-home suites**
  - Hospital suites which are designed to look like hotel rooms
  - More relaxing
  - Only suitable for low risk
- **Domino Delivery Scheme**
  - Community midwife with mother
  - Can return home in 6 hours
- **Birthing Pool**
  - Can be at home or in hospital
  - Relaxing/form of pain relief
- **Pain relief**
  - Epidural
  - Pethidine
  - Gas/air
  - Tens
  - Water
  - Alternative methods
- **Birthing partner**
- **Music**
- **Religious/dietary requirements**
- **Views on episiotomy, forceps, ventouse**
- **Who will cut the umbilical cord ?**

**Award 0 – 3 marks** Discussion reflects limited knowledge and understanding. Writing conveys some meaning although errors and poor expression hamper communication skills. Little or no use of specialist vocabulary.

**Award 4 – 7 marks** Discussion displays knowledge and understanding. Writing is structured to communicate meaning clearly and contains relatively few errors. The use of specialist vocabulary is evident and correct.

**Award 8 – 10 marks** Discussion displays excellent understanding and application of knowledge. Writing is well-structured, fit for purpose, clearly expressed and largely error free. Specialist vocabulary is used appropriately.

**Maximum of 5 marks if only discuss settings e.g. Hospital versus Home. Extra 3 marks for types of pain relief , extra 2 for any other issues.**

(b) Criteria marked.

[10]

Points that could be included in the answer:

- Have a nutritious/balanced diet
- Do not need to eat for two
- Foods rich in folic acid important to prevent spina bifida
- Extra protein important for babies growth
- Calcium important for development of strong bones and teeth
- Carbohydrates will give extra energy as tired in pregnancy
- Fried and spicy food should be avoided as lead to indigestion
- Extra fibre because pregnancy can lead to constipation
- Foods to avoid:
  - Undercooked/raw eggs – salmonella/food poisoning
  - Unpasteurized milk/soft cheeses – listeriosis – severe illness, miscarriage, stillbirth
  - Undercooked meat – listeriosis
  - Liver and liver products – Vitamin A – too much vitamin A poisons baby
  - Unwashed fruit and vegetables – toxoplasmosis – miscarriage, stillbirth, baby born blind
  - Peanuts – peanut allergy passed to baby – allergic reaction can cause death
  - Take-a-ways

**Award 0 – 3 marks** Discussion reflects limited knowledge and understanding. Writing conveys some meaning although errors and poor expression hamper communication skills. Little or no use of specialist vocabulary.

**Award 4 – 7 marks** Discussion displays knowledge and understanding. Writing is structured to communicate meaning clearly and contains relatively few errors. The use of specialist vocabulary is evident and correct.

**Award 8 –10 marks** Discussion displays excellent understanding and application of knowledge. Writing is well-structured, fit for purpose, clearly expressed and largely error free. Specialist vocabulary is used appropriately.

**Maximum 7 marks for just discussing Nutrition related to pregnancy. Extra 3 marks available for mentioning foods to avoid.**



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