

GCSE 2004
June Series



Mark Scheme

Home Economics: Child Development

3561 Foundation Tier

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

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Question 1	Responses to be credited	Mark	Total
(a)	Families provide: Love Shelter Support/advice Security Clothing Teach/encourage Family values/ religion Role models Social skills Care/look after Financial (must be qualified) Any 3 valid points	3	29
(b)	Nuclear family Step family Extended family Foster family One-parent/Single parent family Adoptive family 6 valid answers	6	
(c)	Family may have a better quality of life There may be a new house, new start Two role models May be more money May be more brothers or sisters More people to support/give advice Any 3 valid points	3	
(d)	Examples of points to credit. Some points may be interchangeable. Money Having a baby is expensive May only have one wage Baby's needs will have to come first May result in resentment Lack of freedom Babies are a full time responsibility Their needs will always have to come first/cannot do what you want They are very demanding Will not be able to go out without planning/spur of the moment	6	

	<p>Tiredness/stress Lack of sleep Babies need to be fed during the night They don't understand about night and day Will not fit into parents routine Lots of disturbed nights Feel helpless/overwhelmed/unable to cope Baby may constantly cry</p> <p>Career Mother may feel that she needs to give up her career To care for the baby This could result in financial problems Which may cause stress May resent having to defer career Can be refreshing to have a career break</p> <p>Social life Parents may find it more difficult to go out as often as they did May not be able to go out together Will have to organise and pay for babysitters Friends without children may begin to avoid them</p> <p>Relationship with partner Can bring couples closed together Father may feel pushed out /jealous/neglected Mother may give all her attention to the baby Both may be tired and irritable because of lack of sleep etc. May result in arguments More time at home to spend with whole family More time to focus/concentrate on each other</p> <p>Emotions Changing hormone levels can affect emotions May become tearful/irritable for no apparent reason May be worried about prospect of coping with parenthood Bring happiness May suffer baby blues /PND</p> <p>Credit any 2 valid points/reasons per chosen area which clearly shows an understanding of how and why parents lives might be affected</p>		
(e) (i)	<p>(Young) people who look after children for short periods/usually evenings So that parents can have a break 1 valid points</p>	1	

(ii)	<p>Honest/trustworthy/no criminal record Reliable/responsible Known to the family Live close by Used to dealing with children/like children Old enough to cope Any 3 valid points</p>	3	
(iii)	<p>What time they should go to bed Whether they need to have a light left on/sat with until asleep What toys/comforters they need Whether they have any sort of drink/biscuit What bedtime story they like If toilet is needed Teeth cleaned (Do not accept reference to bathing child) Any 3 valid points Points must refer to bedtime routine</p>	3	
(iv)	<p>Where the parents are going Phone number where they can be contacted When they will be expected home Where the first aid box is Phone numbers for someone to contact if a problem e.g. grandparents Name and number of doctor Any special words the child uses for drinks, toilet etc Where to find tea, coffee, biscuits/show around How to use TV/video/baby monitor etc. Any allergies child may have TV – length of time /type of programme Any 4 valid points</p>	4	
	<p>For (iii) and (iv) accept that some points may be interchangeable but credit only once</p>		

Question 2	Responses to be credited	Mark	Total
(a)(i)	Care available to the pregnant woman during pregnancy Or From conception to labour and birth 1 valid response	1	35
(ii)	Care that should be taken by both partners Before conception 1 valid point	1	
(iii)	Classes run usually by Midwife/Health Visitor/NCBT For pregnant woman and partner To inform About labour/birth/care of baby/diet etc. Any 2 valid points	2	
(b)	Mainly responsible for running ante-natal clinics Carries out the Booking appointment Carries out all routine tests/monitors health Books scans/specialist tests Establishes a relationship with the mother Gives advice and support May run ante-natal classes May deliver baby at a home birth May deliver in hospital (if no complications) Assists during labour + example Assist during birth + example Cleans baby/passes baby to mum Carries out (Apgar) testing Help draw up birth plan Check placenta Check for excess bleeding Administer/give pain relief drugs during labour May stitch after an episiotomy Any 6 valid points	6	
(c)	(Ultrasound) Scan	1	
	Gives information about Baby's size/growth related to gestation period/properly Any major abnormalities Which may need further tests Possible multiple births Position of placenta/baby Confirms EDD Can tell the sex of the baby See/check heart beat (not hear) Credit reference to use with diagnostic tests DO NOT ACCEPT 'problem' unless qualified. DO NOT ACCEPT 'forming' Any 4 valid points	4	

	Blood test	1	
	Can detect; Anaemia Rubella immunity Blood sugar levels STD's Blood group Rhesus factor Hepatitis B and C HIV/Aids Any 4 valid points + reasons	4	
	Blood pressure check	1	
	Monitor blood pressure Checks for sudden rise in blood pressure – needs to imply 'change' Which could indicate pre-eclampsia Which if not treated Could be fatal to baby Lead to mother 'fitting' Any 3 valid points	3	
(d)	To maintain health during pregnancy To avoid putting on too much weight Which might result in complications at birth To provide her growing baby with the nutrients needed Any 3 valid points	3	
(e)	Strong coffee Contains caffeine Is a stimulant Can result in high blood pressure Increase risk of having a low birth weight baby Or miscarriage Peanuts May trigger an allergic reaction Which could harm the baby Allergy may be passes to the baby May contain salt Liked to high blood pressure Chicken Liver pate Is not cooked to a high enough temperature to kill bacteria May contain listeriosis Can cause severe illness Miscarriage Stillbirth Soft boiled eggs Bacteria not destroyed May contain salmonella Can cause food poisoning Result in miscarriage Any 8 valid points throughout response	8	

Question 3	Responses to be credited	Mark	Total
(a) (i)	Being unable to conceive/have children 1 valid point	1	22
(ii)	Too few sperm being produced Ovaries not producing eggs Blocked fallopian tubes Fibroids Poor diet Endometriosis Sexually transmitted diseases Hormone imbalance Alcohol, smoking or drug abuse Age of woman Cancer of uterus/testes Cysts on ovaries Excessive mucus Any 2 valid points	2	
(b) (i)	Diagram A 1 valid point	1	
(ii)	Two eggs are released from the ovaries at the same time Fertilised by two separate sperm 2 valid points	2	
(c)	4 marks for correct labelling	4	
(d)	Examples of points to credit Foetus grows inside the uterus Placenta links the blood supply of mother to baby Is attached to the wall of the uterus It transfers oxygen from the mother to the foetus It removes waste products It carries nutrients from mother to baby Carries antibodies from mother to foetus to protect against infection The amniotic sac ensures baby grows safely The fluid maintains a constant warm body temperature Also protects against knocks and bumps Allows the baby to move Can be used to test for abnormalities Umbilical cord links the placenta to the foetus Criteria for award of marks 0 – 3 Candidate shows a basic understanding of the purpose of up to three aspects of the baby’s support system. 4 – 6 Candidate shows a good understanding of at least three aspects of the baby’s support system	6	

(e)	<p>Woman will feel more relaxed Family can be involved Freedom to move around as and when she wants Other members of the family can be involved Will build up a good relationship with the midwife More privacy Will not have to stick to hospital routines Can look after the baby in her own way Any 2 valid points</p>	2	
(f)	<p>Multiple births History of complications First baby Very young mother /under 16 years old Previous stillbirth Aged over 35 Named known medical problems of mother Known medical problems of baby Previous Caesarean section Narrow pelvis Fifth baby or more Rhesus negative Induced birth Small/premature baby Home conditions unsuitable Breech/transverse/wrong position Pre-eclampsia DO NOT ACCEPT 'overdue' Any 4 valid points</p>	4	

Question 4	Responses to be credited	Mark	Total
(a)	Will visit mother and baby 10 days after the birth Then from time to time after Check home conditions are adequate Check that mother is coping Check that baby is making normal progress/health of baby Advise on feeding Plan immunisation Often runs baby clinics Help with any problems Carry out developmental testing DO NOT ACCEPT 'health of mother' Any 3 valid points	3	10
(b)	6 weeks after the birth 1 valid point	1	
(c)	Mothers weight Blood pressure Urine Reproductive organs have returned to normal size Look for signs of post natal depression Stitches have healed Offer a smear test Any 3 valid points	3	
(d)	Baby blues only lasts for a short time Caused by hormones trying to get back to normal Or because mother is worrying about coping Post natal depression is when mother is very 'down' Can last for a long time Cannot cope with the simplest of tasks May even reject baby Medical help is needed Mental illness Answer is simple and shows limited understanding of the difference – 1 mark Answer is detailed and shows a clear understanding of the difference – 2 – 3 marks	3	

Question 5	Responses to be credited	Mark	Total
(a)	<p>Examples of points to credit + appropriate reasons</p> <p>1. Sterilise all equipment used thoroughly For correct length of time Make sure there are no air bubbles in a chemical steriliser Any 2 valid points + reasons – 4 marks</p> <p>2. Rinse bottles in cooled boiled water Use cooled boiled water for the feed Add the water first Measure correct amount of water Any 2 valid points + reasons – 4 marks</p> <p>3. Add level scoops of milk Do not pack down the milk powder Do not add extra scoops/correct amount Use only recommended formulae milk/right type Do not add salt or sugar Accept ‘harm’ baby Shake to mix Any 2 valid points + reasons – 4 marks</p> <p>4. Test temperature of feed On inside of wrist Before offering to baby 1 valid point +appropriate reasons – 2 marks</p> <p>Credit reference to washing hands only once</p>	<p>4</p> <p>4</p> <p>4</p> <p>2</p>	<p>34</p>
(b)	<p>Always place babies on their back to sleep Place in the ‘feet to foot’ position Avoid contact with tobacco smoke Don’t allow babies to become overheated/reference to bedding/clothing Breast feed if possible If baby is unwell seek medical advice No pillows Check room temperature Tuck bedding under baby’s arms/up to chest Any 4 valid points</p>	<p>4</p>	
(c)	<p>Whooping cough German measles Mumps Chicken pox 4 correct answers</p>	<p>4</p>	

(d)	<p>Talk to the child positively about going into hospital Tell them there will be other children for them to play with Read books about going into hospital Try to visit the hospital beforehand Let children pack their own suitcase Allow them to take their favourite toys Role play at being doctors and nurses Draw/paint pictures about hospitals Try to stay with them when they go into hospital Explain that you will visit Reassure them that you will miss them and that you love them</p> <p>Any 6 valid points</p>	6	
(e) (i)	<p>Feet grow very quickly during the first three years Bones are very soft and Feet can be easily damaged by badly fitting shoes</p> <p>2 valid points</p>	2	
(ii)	<p>Well fitting/measure Adjustable fastening No heels Good support Made from leather to allow feet to breathe Room for growth No inside seams Don't buy second hand Cost Quality Rounded toes Easy fastening Non-slip sole/good grip NOT 'suitable for activity' as question refers to shoes.</p> <p>Any 4 valid points</p>	4	

Question 6	Responses to be credited	Mark	Total
(a)(i)	<p>A The Lion Mark/symbol Used by BATR Symbol of safety and quality 2 correct points</p> <p>B Age symbol indicating that the toy is suitable for over 12m According to the manufacturer 2 correct points</p> <p>C EU safety symbol which must appear on all toys sold in the EU Indicating that toy meets essential safety requirements 2 correct points</p> <p>D Recycle symbol Packaging is made from recycled material 1 correct point</p> <p>E A battery is not needed 1 correct point</p>	<p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p>	30
(ii)	<p>Packaging must be disposed of safely Wooden components must not be immersed in water Age symbol explained Batteries not needed 2 correct points</p>	2	
(b)	<p>Examples of points to credit Suitable for the age of the child Match the interests of the child Suitable for the stage of development Sturdy and well made Colourful No small/dangerous/detachable parts (links to age) Be versatile/provide more than temporary interest Safety symbols/flammability No sharp edges Consider aspect of development/educational 4 appropriate points + reasons</p>	8	
(c)	<p>Examples of points to credit Throughout the answer look for an awareness of a range of benefits to development and learning across the required areas. Physical Development - Fine motor skills Development of grasp and grip Hand eye co-ordination</p>	12	

	<p>Physical Skills – sensory Textures of different materials Explore with mouth Intellectual Development Size Size order Colours Shapes Memory Concentration Imagination Playing with an adult can encourage language development Emotional Development Enjoyment Fun Frustration ‘Letting off steam’</p> <p>Criteria for award of marks</p> <p>0 – 4 marks Answers will be brief or tend to be superficial/muddled and concentrate on the obvious. There will only be a limited awareness of how playing with the toy can encourage learning and development. There will be little or no use of specialist terminology</p> <p>5 – 8 marks Answers will be more detailed. There should be a sound awareness of the way this toy can help learning and development across at least two areas. There may be some use of specialist terminology.</p> <p>9 – 12 marks Answers are well organised and detailed. There will be a good understanding of how this toy can encourage learning and development across all three areas. There should be some use of specialist terminology.</p>		
	Total for Paper		160