



General Certificate of Secondary Education

**Home Economics:
Child Development
3561**

3561/F

Mark Scheme

2007 examination - June series

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3561/F

Question 1	Responses to be credited	Mark	Total
(a)	Nuclear Extended Step/reconstituted Single parent. Adoptive Foster Same sex parents (Do not accept separated) Any 3 correct responses	3	20
(b) P + R	Money/finance + reason Relationship + reason Accommodation + reason Maturity/age + reason Career implications + reason Size of family + reason Age gap between children + reason State of health + reason Support + reason related to emotional/practical help (not just 'a loving family') Social life + reason 1 mark per factor 1 mark for related appropriate reason	6	
(c)	(i) Condom (ii) (Contraceptive) pill (iii) Coil/IUD (iv) Vasectomy/sterilisation (v) NFP/Natural Family Planning/Safe period/Rhythm 1 mark each correct response	5	
(d) (i)	28 1 mark	1	
(ii)	Examples of points to credit 1. Once a month/halfway through period/between days 13/15 Egg released from one of the ovaries Into the fallopian tube 2. If intercourse has occurred sperm travel through uterus to fallopian tube Will try to penetrate the egg If one succeeds fertilisation occurs 3. Sperm and egg form one cell Which begins to divide rapidly – morrula Moves along fallopian tube towards uterus 4. 4/5 days after fertilisation cell mass is called Blastocyst Moves into uterus	5	

	<p>5. Embeds into uterus wall/lining Called implantation Conception is complete</p> <p>Criteria for marking 0 – 1 marks Simple response – factual information is minimal showing only limited knowledge and understanding 2 – 3 marks Factual information is sound and lacking in detail but the candidate shows a basic knowledge and understanding. 4 – 5 marks Answer is detailed and factually sound showing a good level of knowledge and understanding. There may be some use of appropriate terminology.</p>		
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Question 2	Responses to be credited	Mark	Total
(a) (i)	Notes where details of ante-natal visits are recorded OWTTE 1 mark	1	17
(ii)	Personal details/and ethnic origin Family history A birth plan/choices about labour and birth/pain relief History of menstrual cycles/previous pregnancies/and the woman's general health Record of antenatal appointments Health issues related to pregnancy/blood group/urine tests/blood pressure/swelling of feet and hands/weight Issues related to unborn baby /position in the uterus/heartbeat/movement Growth charts to record fundal height and estimated fetal weight Ultrasound scan reports and pictures Details of any hospital admissions EDD General pregnancy and health information/pregnancy complications/smoking/diet/feeding Any 3 valid responses	3	
(b)	Anaemia: a lack of iron/haemoglobin in the blood due to lack of iron, causing the woman to be tired and listless. German measles (rubella): if the woman is immune to this disease. Blood sugar/glucose: this indicates if the woman has diabetes Sexually-transmitted diseases. e.g. syphilis: can cause damage to the foetus Blood group: in case the woman bleeds excessively and needs a transfusion Rhesus factor: if the woman has Rhesus positive or negative	3	

	<p>blood.</p> <p>Hepatitis B and C: this virus causes liver disease</p> <p>HIV: the woman can pass this to the baby via the placenta or through breastfeeding.</p> <p>Any three correct responses</p>		
(c) (i)	<p>Labour is started artificially</p> <p>1 mark</p>	1	
(ii)	<p>Needed when:</p> <p>contractions have slowed down/stopped</p> <p>high blood pressure</p> <p>baby overdue by 10+ days</p> <p>stillbirth</p> <p>Any 2 valid responses</p>	2	
(d)	<p>Baby born before 37 weeks (accept stated weeks under 37)</p> <p>1 mark</p>	1	
(e) P + R	<p>Examples of explained points to credit</p> <p>24 hour care and monitoring</p> <p>High ratio of specialist staff</p> <p>Incubators to maintain temperature/filter air/protect against infection/replicate womb</p> <p>Ventilators to help breathing</p> <p>Monitors to check breathing/heartbeat/oxygen</p> <p>IV lines to maintain fluid levels/give drugs/food if needed</p> <p>Nasogastric tubes to aid feeding</p> <p>Light therapy to treat jaundice</p> <p>Hygiene levels</p> <p>Any 3 reasoned points</p> <p>Maximum 3 for listed points</p>	6	

Question 3	Responses to be credited	Mark	Total
(a)	Emotional support (during the early days) Advice on feeding Advice on care/hygiene Crying/minor ailments Immunisation Developmental testing Mother and baby clinics Postnatal exercises Baby's weight gain/thriving Any 3 valid points	3	15
(b)	Uterus/womb has shrunk back to normal size Any stitches have dissolved/wounds healed No soreness/discomfort Postnatal bleeding Weight BP/blood pressure Emotional state Any 3 valid points	3	
(c) (i)	Strong emotional feelings that develop between parent and (newborn) baby (OWTTE) 1 mark	1	
(ii)	Baby is ill Baby is premature/in a SCBU Difficult labour and birth Lack of close relationships in own experience Unwanted baby Mother may be ill/PND/baby blues Difficulty breast feeding Lack of confidence Any 3 valid points	3	
(d)	A disability that is present at birth/inherited 1 mark	1	
(e) (i)	An extra chromosome /21 chromosome 47 instead of 46 chromosomes 1 valid response.	1	
(ii)	Babies may be prone to chest and sinus infections. Difficulty feeding Problems keeping their body temperature stable. Learning and development will be slower Speech difficulties Mobility problems Socialisation problems May have heart problems Hearing loss Problems with eyesight Problems digesting food Any 3 valid points	3	

Question 4	Responses to be credited	Mark	Total
(a)	Easy to wash/dry/iron Easy to put on/take off Lightweight/soft/warm Non-irritant Flame resistant Appropriate to season/temperature Right size No ribbons/ties etc. Cost Appropriate fabric Any 4 points	4	18
(b) (i)	Easy to use No pins needed No need to wash and dry/less work for parent Absorbent so keep moisture away from bottom/less chance of nappy rash Range of sizes Available for boy/girl Daytime/night-time versions No nappies soaking Thrown away after use Any 2 valid points	2	
(ii)	Regular expense Bulky to store Environmental concerns Any 2 valid points	2	
(c)	Sudden Infant Death (Syndrome) 1 mark Do not accept SIDS	1	
(d)	Disease spread from one person to another by contact OWTEE 1 mark	1	
(e)	Child is given a vaccine Contains a weak form of the disease Makes the body produce antibodies To fight possible infection 1 mark – simple understanding 2-3 mark – clear understanding	3	

Question 5	Responses to be credited	Mark	Total
(a) (i)	<p>A Recommended age Suitable consistency For stage of weaning 2 correct responses</p> <p>B The food contains gluten/wheat/milk Child may be allergic to one of these foods Parents know not to use it 2 correct responses</p> <p>C List of nutrients Allows parent to check amounts (of nutrients) Especially fat/sugar/salt/fibre Reduce risk of health problems 2 correct responses</p>	6	14
(ii)	<p>Salt Increased risk of dehydration Increased risk of kidney damage Digestive system cannot cope with large amounts</p> <p>Sugar Development of a sweet tooth/damage to teeth Possible risk of diabetes Links to obesity Max 1 correct response per named food 2 marks</p>	2	
(b)	<p><u>Home made foods</u> Advantages Parents know what is in it Fresh foods/ingredients used Greater variety of tastes and textures More interesting diet for baby Less expensive Baby gets used to eating the same food as the rest of the family Less chance of food refusal/fussy eating later Amounts can be frozen for later No additives Any 3 valid points</p>	3	
(c)	<p><u>Commercially prepared foods</u> Advantages Quick and easy to prepare Convenient for travelling /holidays/shopping Useful when only small amounts needed Wide range and types to choose from Produce adequate levels of nutrients Some have added nutrients Many do not include colours, flavours, preservatives</p>	3	

	Hygienically prepared and packaged Easier to know how much to give Any 3 valid points		
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Question 6	Responses to be credited	Mark	Total
(a)	<p>Candidates must name the stage and give description Zero marks for description only</p> <p>Solitary play Playing alone</p> <p>Parallel play Playing alongside other children but not with them</p> <p>Looking-on play Watching other children play but as a spectator</p> <p>Joining-in play Playing with other children doing the same activity but in own way</p> <p>Co-operative play Children playing together and sharing and communicating</p> <p>1 mark for correct type of play 1 mark for correct description</p>	6	21
(b)	<p>Make reading fun/talk about the pictures/use different voices/ask questions/let child read along with you</p> <p>Have special reading times</p> <p>Not just at bedtime</p> <p>Allow time to read/read to them</p> <p>Set an example by reading</p> <p>Let child choose own books both to read and buy</p> <p>Join a library</p> <p>Have lots of books and other reading materials available</p> <p>Have a special place for books where child can get them</p> <p>Make it a 'special time/cuddle up/switch off TV</p> <p>Make own books</p> <p>Any 5 correct responses</p>	5	
(c)	<p>Small number of pages + reason</p> <p>Sturdy books + reason</p> <p>Easy to turn pages + reason</p> <p>Simple pictures + reason (not 'lots of pictures')</p> <p>Everyday objects + reason</p> <p>Novelty books + reason</p> <p>Bright and colourful + reason</p> <p>No words + reason</p> <p>No sharp edges/corners + reason</p> <p>1 mark per point 1 mark for related appropriate reason</p>	6	
(d)	<p>Physical Fine motor skills Hand-eye co-ordination Sensory development Movement/Gross/motor skills</p> <p>Intellectual Concepts Size/colour/sequence/number/shapes etc.</p>	4	

	Learning about sounds Memory Cause and effect Problem solving Concentration Emotional Let off steam Work out aggression Get enjoyment Communication Social May give opportunities to share Co-operate Creativity + reference to composing music Any 4 appropriate points		
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Question	Responses to be credited	Mark	Total
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(a)	Do not understand danger Small so cannot see/be seen easily Curious/like exploring Clumsy/lack co-ordination Adventurous Like to show off Inexperienced Attention seeking Inadequately supervised Disobedience Parents not recognising hazards Copying others Any 5 valid points	5	17
(a)	Examples of points to credit Falls Fit a safety gate at the top and bottom of stairs. Never leave toys/objects on stairs. Repair damaged or worn carpet Stairs should always be well lit. Fit child resistant window locks Do not put anything under the window that can be climbed on. Mop up any spills immediately Don't leave baby bouncers on high surface Use safety harness in highchairs/prams Scalds Never hold a hot drink and a child at the same time. Put hot drinks out of reach. Use a coiled flex or a cordless kettle. Keep small children out of the kitchen • Run the domestic hot water system at 46°C or fit a	12	
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	<p>thermostatic value to taps.</p> <ul style="list-style-type: none"> • When running a bath turn the cold water on first • Always test the water temperature before letting a child get into the bath or shower. • Always use rear hotplates • Turn the panhandles away from the front of the cooker. <p>Fires</p> <ul style="list-style-type: none"> • Keep matches and lighters out of sight and reach of children. • Always use a fireguard and secure it to the wall. • Extinguish and dispose of cigarettes properly. • Have an escape route planned, and practise it, in case of fire. • Fit a smoke alarm • Check smoke alarms • Don't use candles • Buy flame resistant nightwear <p>Cuts</p> <ul style="list-style-type: none"> • Keep all knives out of reach • Use safety glass • Use shatter resistant film. • Always clear up broken glass quickly and dispose of it safely. <p>Poisoning</p> <ul style="list-style-type: none"> • Keep medicines and chemicals out of sight and reach of children • Keep medicines in a locked cupboard. • Buy products in child resistant containers. • Always store chemicals in their original containers. • Dispose of unwanted medicines and chemicals safely. • Avoid buying plants with poisonous leaves or berries or those that can irritate the skin <p>Drowning</p> <ul style="list-style-type: none"> • Never leave children or babies in the bath unsupervised • Never leave uncovered bowls or buckets of water around the home. • Empty paddling pools when not in use. • Fence off or drain garden ponds • Take special care when visiting other people's gardens. • Teach to swim as soon as possible <p>Choking and suffocation</p> <ul style="list-style-type: none"> • Choose toys suitable for age of the child. • Keep small objects such as marbles and peanuts out of reach of children under 3 years old. • Encourage older children to keep their toys away from younger children • Keep plastic bags out of reach. • Keep cords on curtains and blinds short and kept out of reach. • Keep animals, especially cats, out of the bedroom • Use a net on a pram. • Don't use pillows under 1 year 		
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	<p>In the garden</p> <ul style="list-style-type: none"> • Check large toys such as swings are stable and secure. • Take care with positioning trampolines. • Keep garden tools, equipment and chemicals are stored away in a locked area. • Garden ponds are covered. • Paddling pools are emptied when not in use. • Sand pits are cleaned out regularly and covered to prevent cats using them. • Dog faeces is cleared up. • Any poisonous plants are removed e.g. laburnum <p>Parks and playground</p> <ul style="list-style-type: none"> • Equipment is suitable for the age of the child. • Equipment is stable, safe and in good condition. • Surfaces under the equipment are rubberized or covered with bark or woodchips that will absorb some of the shock of falls. • Area is free from broken glass etc. <p>Road safety</p> <ul style="list-style-type: none"> • Hold a young child's hand or use reins near busy roads. • Talk to children about the dangers of traffic when out walking. • Teach children the Green Cross Code. • Bright clothing • Keep reminding children what to do when crossing roads. • Set a good example as children will copy adults. • Not allow children to play in the streets. <p>Sun safety</p> <ul style="list-style-type: none"> • Keep babies under 6 months out of the sun. • Keep children out of the sun between 11am and 3 pm. • Take extra care with children with fair skin and red hair. • Use a parasol on prams and pushchairs. • Dress young children in loose, cool clothing such as long sleeved t-shirts. • Make sure children wear hats that protect neck and ears. • Use sun block on very young children and re-apply regularly. • Always use sun tan lotion with a SPF (sun protection factor) of no less than 15 on older children. <p>Criteria for award of marks. 0 – 4 marks Answers are brief, superficial and lack structure with evidence of only basic communication skills.</p> <p>Candidates are able to show some understanding of a limited range of accident prevention. Answers may be repetitious and concentrate on only one area.</p>		
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	<p>5 - 8 marks Answers may be organised but lack detail and precision. There is evidence of satisfactory communication skills.</p> <p>Candidates show a good understanding of a range of possible accident prevention both in the home and at play outdoors.</p> <p>9 - 12 marks Answers are well organised, detailed and logical with evidence of good communication skills.</p> <p>Candidates show a detailed understanding of the need for a variety of measures to reduce the risk of different accidents both in the home and at play outdoors.</p> <p>To gain the higher marks candidates should demonstrate a good level of spelling, punctuation and grammar</p>		
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