

Home Economics Child Development

General Certificate of Secondary Education

Unit **B013**: Principles of Child Development

Mark Scheme for June 2011

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Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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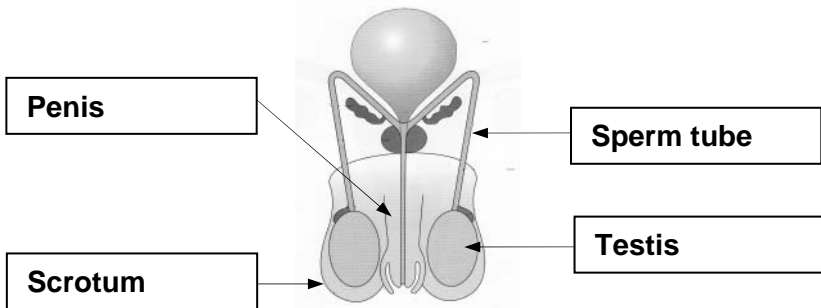
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E-mail: publications@ocr.org.uk

Question		Expected Answer	Mark	Additional Guidance
1	(a)	<p>Identify four toys that could help the development of large muscles in the body.</p> <p>Slide Trampoline Climbing frame Tricycle Football Skipping rope Seesaw</p>	[4]	
	(b)	<p>Childhood is a time of rapid development. What term is used for development of the body?</p> <p>Physical development/ physical</p>	[1]	
	(c)	<p>Norms are the average ages when children reach certain stages of development</p> <p>From the box below choose the average age a child should reach the following norms. The first one has been done for you.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>3 months 9 months 15 months 2 years 3 years</p> </div> <p>Start to crawl <u>9 months</u> _____</p> <p>Ride a tricycle 3 years</p> <p>Walk alone 15 months</p> <p>Can sit up if held 3 months</p> <p>Can run 2 years</p>	[4]	

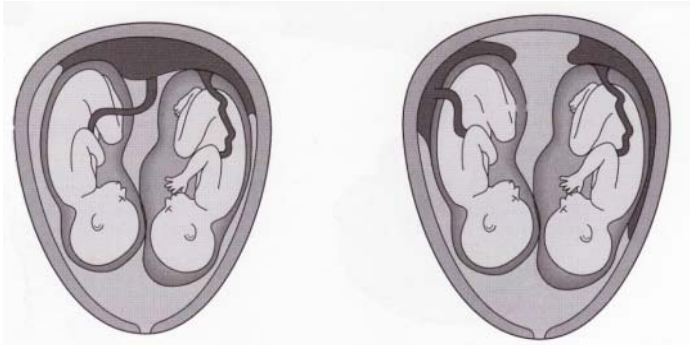
Question			Expected Answer	Mark	Additional Guidance																		
1	(d)	(i)	<p>Explain three factors that have changed the role of women within the family over the last thirty years.</p> <p>Answers may include</p> <table border="1"> <tr> <td>More contraception/ reliable contraception</td> <td>Allows a women to choose not to have children or have fewer/ allows when to have a child</td> </tr> <tr> <td>Equal opportunities for women</td> <td>Access to better jobs/better pay/higher education/ can choose to marry later/choosing to have children later/not to marry at all</td> </tr> <tr> <td>More career opportunities</td> <td>Fewer women stay at home or can opt out of marriage as they do not need the financial support of a husband.</td> </tr> <tr> <td>Maternity allowance/leave for women</td> <td>Encourages women to return to work after having a baby/does not have to stay at home</td> </tr> <tr> <td>More benefits available</td> <td>Offers support to women and can enable a lone parent to live independently</td> </tr> <tr> <td>Divorce has become easier/more accepted</td> <td>So a woman does not have to stay married if unhappy</td> </tr> <tr> <td>Moral/social attitudes to marriage/single parents have changed/relaxed</td> <td>Less stigma to be a lone mother which has led to single mums keeping their child.</td> </tr> <tr> <td>Labour saving devices in the home</td> <td>Allows women to work or have more time for children</td> </tr> <tr> <td>Role reversals</td> <td>House husbands more acceptable allowing women to be the main wage earner</td> </tr> </table>	More contraception/ reliable contraception	Allows a women to choose not to have children or have fewer/ allows when to have a child	Equal opportunities for women	Access to better jobs/better pay/higher education/ can choose to marry later/choosing to have children later/not to marry at all	More career opportunities	Fewer women stay at home or can opt out of marriage as they do not need the financial support of a husband.	Maternity allowance/leave for women	Encourages women to return to work after having a baby/does not have to stay at home	More benefits available	Offers support to women and can enable a lone parent to live independently	Divorce has become easier/more accepted	So a woman does not have to stay married if unhappy	Moral/social attitudes to marriage/single parents have changed/relaxed	Less stigma to be a lone mother which has led to single mums keeping their child.	Labour saving devices in the home	Allows women to work or have more time for children	Role reversals	House husbands more acceptable allowing women to be the main wage earner	[6]	Answers can mix and match so long as the reason and explanation make a sensible/valid answer
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			Shared roles in the home More child care facilities available More paternity leave	Allows women to have free time/leisure options Both parents/carers can work/allows women/both to have a career More support when a baby is born	

Question			Expected Answer	Mark	Additional Guidance
1	(d)	(ii)	<p>Give <u>three</u> advantages of both parents sharing responsibilities within the family.</p> <p>Fathers have a closer relationship with their children/spend time with children/bond with both parents/carers Mothers/fathers feel less pressurised/stressed and enjoy their children more Mothers/fathers have time for other interests/free time/have a rest/time to relax Children benefit from the variety of care The quality of the marriage improves/parents become closer If mother/both parents/carers work/more money if take turns to work/available/standard of living could be improved Children brought up with the attitude of sharing responsibilities/role models/sense of equality</p>	[3]	
	(e)		<p>What is meant by sibling rivalry?</p> <p>Jealousy/envy/feelings of not being given enough attention/being left out/competition for attention (1) between brothers/sisters/brother and sister/children in same family (1)</p>	[2]	<p>'fighting' or 'arguing' needs qualifying</p> <p>Avoid crediting 'siblings' – it is in the question</p>
			Total	[20]	

Question	Expected Answer	Mark	Additional Guidance												
<p>2 (a)</p>	<p>Look at the diagram of the male reproductive system below.</p> <p>Use words from the following list to label the diagram.</p> <table border="1" data-bbox="360 341 1211 379"> <tr> <td>Scrotum</td> <td>Sperm tube</td> <td>Penis</td> <td>Testis</td> </tr> </table>  <p>The diagram shows a frontal view of the male reproductive system. At the top is the bladder, with the vas deferens leading down to the testes. The vas deferens is labeled 'Sperm tube'. The external opening is labeled 'Penis'. The scrotum is labeled 'Scrotum' and contains two testes, one of which is labeled 'Testis'.</p>	Scrotum	Sperm tube	Penis	Testis	<p>[4]</p>									
Scrotum	Sperm tube	Penis	Testis												
<p>(b) (i)</p>	<p>Infertility means being unable to conceive.</p> <p>Describe the causes of infertility.</p> <p>Answers may include</p> <table border="1" data-bbox="360 959 1211 1390"> <tr> <td>Failure to ovulate/release eggs/PCOS</td> <td>No egg available for fertilisation</td> </tr> <tr> <td>Blocked fallopian tubes</td> <td>Sperm cannot reach egg</td> </tr> <tr> <td>Fallopian tubes infected/STI's/STD's endometriosis</td> <td>Egg cannot be moved through tube</td> </tr> <tr> <td>Cervical mucous too thick</td> <td>Sperm cannot enter uterus</td> </tr> <tr> <td>Testicular cancer/treatment for cancer/chemotherapy</td> <td>Ovaries/testes damaged and eggs/sperm destroyed</td> </tr> <tr> <td>Taking contraceptive pill for</td> <td>Hormonal problems</td> </tr> </table>	Failure to ovulate/release eggs/PCOS	No egg available for fertilisation	Blocked fallopian tubes	Sperm cannot reach egg	Fallopian tubes infected/STI's/STD's endometriosis	Egg cannot be moved through tube	Cervical mucous too thick	Sperm cannot enter uterus	Testicular cancer/treatment for cancer/chemotherapy	Ovaries/testes damaged and eggs/sperm destroyed	Taking contraceptive pill for	Hormonal problems	<p>[6]</p>	<p>Answers can mix and match so long as the reason and explanation make a sensible/valid answer</p> <p>Do not accept – ‘got cancer’ on its own</p>
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			<p>too long</p> <p>Anorexia</p> <p>Low sperm count/too few/no sperm</p> <p>Had hysterectomy/ectopic pregnancy removal</p> <p>Vasectomy/male sterilisation</p> <p>Damaged/blocked sperm tube/duct</p> <p>Female sterilisation</p>	<p>Body rhythms disrupted/poor nutrition</p> <p>No sperm reaches egg/high number need to be released/mumps</p> <p>Organs damaged or missing</p> <p>No sperm released</p> <p>No/few sperm released</p> <p>No egg in fallopian tube</p>	

Question			Expected Answer	Mark	Additional Guidance
2	(b)	(ii)	<p>Give <u>two</u> treatments for infertility.</p> <p>IVF/ test tube Artificial insemination/AI/AIH/Artificial insemination by husband Egg donation Sperm donation/donor insemination Embryo donation Gamete intra fallopian transfer (GIFT) Intra-cytoplasmic sperm injection (ICSI) Surgery to unblock fallopian tubes or repair sperm tubes Drug therapy for egg/sperm production</p>	[2]	<p>Must name treatment. Do not accept a description. Do not accept 'surrogacy' Do not accept 'drugs' on its own</p>
	(c)		<p>Some fertility treatments may result in a multiple birth.</p> <p>State the different types of twins shown in the diagrams below.</p> <p>Identical/ Uni-ovular/ monozygotic</p> <p>Non-identical/ Bi-ovular/ fraternal/dizygotic</p> 	[2]	
	(d)		<p>Identify <u>one</u> health professional who supports a mother after the birth of her baby.</p> <p>GP/family doctor Health visitor Midwife</p>	[1]	NB Do not accept "doctor" on its own
Total				[15]	

Question	Expected Answer	Mark	Additional Guidance
3	<p>Describe methods parents or carers could use to discipline a child.</p> <p>Explain the social skills a child needs to learn in preparation for starting school.</p> <p>Marks are allocated according to the quality of the response. Candidates should be able to show their depth of knowledge and understanding, using correct terminology.</p> <p>In order to achieve a High Level response, both areas must be addressed in detail.</p> <p>A candidate answering only one part of the question will remain in the Limited Response level and can access up to 7 marks only. Must be answered well, with clear descriptions and/or explanations.</p> <p>If candidates respond by giving answers in a list, they remain in the Low Level response.</p> <p>Bullet point sentences can achieve up to the Limited Response level only.</p> <p>High Level Response: 13-15 The candidate describes in detail methods of developing good discipline in a child and gives comprehensive explanations the social skills a child needs to learn ready for school. The information will be presented in a clear and organised way. A whole range of specialist terms are used with precision. The candidate can demonstrate the accurate use of spelling, punctuation and grammar.</p> <p>Good/Satisfactory Response 9-12 The candidate describes some methods of developing good discipline in a child and gives some explanations of the social</p>	[15]	

Question	Expected Answer	Mark	Additional Guidance						
	<p>skills a child needs to learn ready for school. Information will be offered to support the answer but in general terms with little detail. The information will be offered in a structured format. The candidate can use a range of specialist terms with facility. There may be occasional errors in spelling, punctuation and grammar.</p> <p>Limited Response 5-8 The candidate makes some valid methods of developing good discipline in a child and/or the social skills a child needs to learn ready for school but explanations may lack detail. Some information will be relevant. The candidate uses some specialist terms, although these may not always be used appropriately. There may be errors in spelling, punctuation and grammar</p> <p>Low Level Response 0-4 The candidate is likely to give limited, muddled or incorrect answers generally with no real knowledge. Answers may be in the form of a list. Answers may not always relate to the question. Answers may be ambiguous or disorganised There will be little or no use of specialist terms. Errors of grammar, punctuation and spellings may be intrusive</p> <p>Answers may include</p> <table border="1" data-bbox="360 1118 1211 1406"> <tr> <td data-bbox="360 1118 786 1182">Be consistent</td> <td data-bbox="786 1118 1211 1182">Avoid mixed messages. Learn right/wrong.</td> </tr> <tr> <td data-bbox="360 1182 786 1262">Make clear expectations</td> <td data-bbox="786 1182 1211 1262">So child learns/understands what is expected in different situations</td> </tr> <tr> <td data-bbox="360 1262 786 1406">No empty threats/mean what you say/be firm</td> <td data-bbox="786 1262 1211 1406">So child learns if it does something wrong there is a consequence/won't go away/warning can't be ignored</td> </tr> </table>	Be consistent	Avoid mixed messages. Learn right/wrong.	Make clear expectations	So child learns/understands what is expected in different situations	No empty threats/mean what you say/be firm	So child learns if it does something wrong there is a consequence/won't go away/warning can't be ignored		
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Question	Expected Answer	Mark	Additional Guidance
	<p>Deal with/ deal with immediately</p> <p>Do not smack</p> <p>Tell/explain why wrong</p> <p>Make eye contact/be at child's level when speaking</p> <p>Give warning before carrying out punishment</p> <p>Show not pleased/displeasure/ stern voice/saying no</p> <p>Praise/encourage good behaviour</p> <p>Sticker chart</p> <p>Withdraw activity/item</p> <p>Quiet area/naughty chair/step</p> <p>Set a good example</p> <p>Avoid battles/confrontation cannot win</p> <p>Parents say sorry</p> <p>Remain quiet /calm/don't shout</p> <p>Do not show affection/ no eye contact/ ignore</p> <p>Divert from poor behaviour</p>		


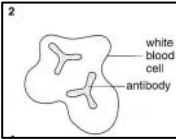
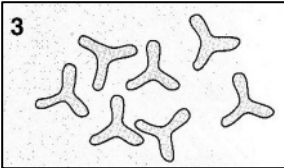
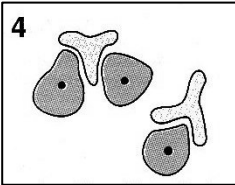
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4 (a)	<p>Voluntary services are available to give help to children and families.</p> <p>What is meant by a voluntary service?</p> <p>Non profit making organisations/people give up their own time/do not get paid/run by volunteers</p>	[1]	Do not accept 'this is a free service'.											
(b)	<p>Look at the voluntary organisations shown in the list below.</p> <table border="1" data-bbox="367 544 1205 596"> <tr> <td>Gingerbread</td> <td>Citizens Advice Bureau</td> <td>ChildLine</td> </tr> </table> <p>Match each organisation to the type of help shown in the table.</p> <table border="1" data-bbox="367 735 1205 1114"> <thead> <tr> <th>Description</th> <th>Organisation</th> </tr> </thead> <tbody> <tr> <td>Provides help and advice to families about a wide range of issues including debt management and access to benefits.</td> <td>Citizens Advice bureau</td> </tr> <tr> <td>Gives confidential support to children.</td> <td>ChildLine</td> </tr> <tr> <td>Offers help and advice for lone parent families.</td> <td>Gingerbread</td> </tr> </tbody> </table>	Gingerbread	Citizens Advice Bureau	ChildLine	Description	Organisation	Provides help and advice to families about a wide range of issues including debt management and access to benefits.	Citizens Advice bureau	Gives confidential support to children.	ChildLine	Offers help and advice for lone parent families.	Gingerbread	[3]	
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(c)	<p>What is meant by informal care?</p> <p>Care/help from parents/friends/relatives/neighbours</p>	[1]												

Question		Expected Answer	Mark	Additional guidance
4	(d)	Day nurseries and childminders are two types of day care provision.		
	(i)	How many children went to childminders in 1975? 83,500	[1]	
	(ii)	Give <u>one</u> reason why there were fewer childminders in 1975 than 2000. Fewer mothers worked/fewer career opportunities for women/less demand for childminders Women looked after their own children/stayed at home Both parents/carers working was less likely No government policy supporting/registering childminders More parents/carers had extended family living near by to help out	[1]	
	(iii)	Which day care provision offered the most places in 2000? Childminders	[1]	
	(iv)	How did the number of day nursery placements change between 1975 and 2000? Have risen/gone up/increased/more children went to nurseries in 2000	[1]	

Question	Expected Answer	Mark	Additional guidance												
(e)	<p>Explain what parents/carers should look for when choosing a day nursery for their two year old child.</p> <p>High Level Response 5-6 The candidate will give detailed explanations to look for when choosing a day nursery with accuracy. Specialist terms will be used appropriately and correctly. The information will be presented in a structured format. The candidate can demonstrate the accurate use of spelling, punctuation and grammar.</p> <p>Medium Level Response 3-4 A candidate will give some points to look for when choosing a day nursery but may lack specific explanations. There will be some use of specialist terms although these may not be used appropriately. The information will be presented for the most part in a structured format. There may be occasional errors in spelling, punctuation and grammar.</p> <p>Low Level Response 0-2 The candidate may give limited or confused information. Answers may be in the form of a list with little or no explanation. There will be little or no use of specialist terms. Errors of spelling, punctuation and grammar may be intrusive.</p> <table border="1" data-bbox="367 1018 1200 1412"> <thead> <tr> <th data-bbox="367 1018 786 1050">Answers to include</th> <th data-bbox="786 1018 1200 1050"></th> </tr> </thead> <tbody> <tr> <td data-bbox="367 1050 786 1161">Registered/approved/ good Ofsted report</td> <td data-bbox="786 1050 1200 1161">Know it has passed strict rules and is accountable/inspected from time to time</td> </tr> <tr> <td data-bbox="367 1161 786 1241">Clean</td> <td data-bbox="786 1161 1200 1241">To prevent the spread of disease/infections</td> </tr> <tr> <td data-bbox="367 1241 786 1289">Bright/colourful surroundings</td> <td data-bbox="786 1241 1200 1289">Welcoming/stimulating to child</td> </tr> <tr> <td data-bbox="367 1289 786 1369">Staff qualified</td> <td data-bbox="786 1289 1200 1369">Trained to handle children/ situations/ first aid</td> </tr> <tr> <td data-bbox="367 1369 786 1412">Enough staff/staff to child ratio</td> <td data-bbox="786 1369 1200 1412">So child is not neglected/given</td> </tr> </tbody> </table>	Answers to include		Registered/approved/ good Ofsted report	Know it has passed strict rules and is accountable/inspected from time to time	Clean	To prevent the spread of disease/infections	Bright/colourful surroundings	Welcoming/stimulating to child	Staff qualified	Trained to handle children/ situations/ first aid	Enough staff/staff to child ratio	So child is not neglected/given	[6]	
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Question	Expected Answer		Mark	Additional guidance
		attention		
	Plenty of toys/activities	To stimulate/amuse/prevent boredom		
	Toys new/good condition	To prevent injury		
	Safe/ Secure	Child is protected/doors locked/ fenced outside		
	Warm	Comfort/pleasant environment		
	Good toilet/changing facilities	Clean/spacious/enough toilets/own peg		
	Outside facilities	Opportunity to gain fresh air/run around/different toys		
	Location of day nursery	Convenient to parent/carer for taking/collecting		
	Complies with child protection laws/CRB checks	Safeguarding children		
	Opening times	Suit parents/carers needs/jobs/ lifestyle		
	Cost/fees	Affordable by parents/carers		
	Accessible facilities	Equal opportunity		
	Clean environment	To protect children's health		
	More/enough space	To run round/opportunity for a variety of activities		
	Provide food	Suits child's age/needs		
	Total		[15]	

Question			Expected Answer	Mark	Additional guidance
5	(a)	(i)	<p>Children are vaccinated to prevent infectious diseases.</p> <p>Give the <u>three</u> infectious diseases that the MMR vaccination offers protection against.</p> <p>Measles Mumps Rubella/German measles</p>	[3]	
		(ii)	<p>Complete the boxes to describe how a vaccination protects against an infectious disease. Two have been done for you.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">  </div> <div style="width: 60%; border: 1px solid black; padding: 5px;"> <p>Vaccine is injected into the body.</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;">  </div> <div style="width: 60%; border: 1px solid black; padding: 5px;"> <p>(The vaccine triggers) white blood cells (1)..... to produce /make /release/ form antibodies. (1)</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;">  </div> <div style="width: 60%; border: 1px solid black; padding: 5px;"> <p>The antibodies are released into the bloodstream</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;">  </div> <div style="width: 60%; border: 1px solid black; padding: 5px;"> <p>Antibodies stick to/ combine with/ cling to/ surround bacteria/viruses/pathogens (1) Destroys/kills the bacteria/viruses/ pathogens stops bacteria/viruses/pathogens multiplying (1)</p> </div> </div>	[4]	

Question		Expected Answer	Mark	Additional guidance
5	(b)	<p>Identify <u>two</u> ways infectious diseases are spread.</p> <p>Droplet/airborne/sneezing/coughing Contact/touching/contagion/shared drinks/food/bodily fluids Contaminated food/drink from insects/animals/decay/handling Insect/animal bites Indirect contact e.g. bedding, door handles, clothing</p>	[2]	
	(c)	<p>What term describes the time between a child being infected and the appearance of the first symptoms?</p> <p>Incubation time/incubation period</p>	[1]	
	(d)	<p>State <u>two</u> clear signs that could show a child has meningitis.</p> <p>Dislike of bright lights Severe headache Stiff neck Rash/spots that do not fade under glass test/glass test Bulging fontanelle Very high temperature/fever High pitched moaning cry Floppy/unresponsive</p>	[2]	<p>Headache must be qualified. Rash/spots must be qualified.</p>

Question	Expected Answer	Mark	Additional guidance
(e)	<p>Give <u>three</u> rules a parent/carer should follow when giving medicines to a child.</p> <p>Make sure it is the right medicine Do not give other children's medicines Read instructions carefully/check side effects/allergies Follow instructions/don't give more than stated dose/ don't give more often than stated/give correct dose/correct time/for the right age Only give on the advice of Dr/pharmacist/consult doctor if in doubt Complete course(unless instructed otherwise) Do not use out of date medicines/throw away old medicines(safely) Store medicines safely/out of reach/locked away Store medicines at the correct temperature Give tablets with water to prevent choking/ crush tablets Clean spoon Wash hands before giving medicine Use spoon that comes with medicine</p>	[3]	
	Total	[15]	

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