

Home Economics Child Development

General Certificate of Secondary Education

Unit **B013**: Principles of Child Development

Mark Scheme for January 2013

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by Examiners. It does not indicate the details of the discussions which took place at an Examiners' meeting before marking commenced.

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

OCR will not enter into any discussion or correspondence in connection with this mark scheme.

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Subject-specific Marking Instructions**Marking crossed out and duplicated answers**

OCR currently provides examiners with 'rules' for marking crossed out answers.

Duplicated answers refer to two (or more) alternative responses to the same question, or responses to more optional questions than required within the paper rubric.

The rules are as follows:

Crossed out answers

- where a candidate crosses out an answer and provides an alternative response the crossed out response is not marked and gains no marks
- where a candidate crosses out an answer to a whole question, but makes no second attempt and the inclusion of the answer would not cause a rubric infringement, the assessor should attempt to mark the crossed out response and award marks

Duplicated answers:

- normally all responses are marked and the highest mark given
- where alternate answers are provided to a multiple choice question, no mark should be awarded (for example: following a request to tick one box, the candidate ticks two or more boxes)
- where the candidate provides contradictory responses, no mark should be awarded (for example: the candidate writes a statement such as 'water freezes at 0oC this means it is a liquid at -10oC'). The candidate, here, does not seem to understand the context of the 'question'
- where the candidate has adopted a 'scattergun' approach by providing multiple answers to a single response question, no mark should be awarded.

Question		Answer	Marks	Guidance		
1	(a)	<p>ONE mark for each correct answer. THREE required.</p> <p>Restless/hungry after a feed/milk no longer makes the baby full Waking early for next feed/hungry more often Waking in the night when has been sleeping through Cries to be fed more often Sucks fists Not gaining/losing weight Continues chewing teat after feed finished</p>	3			
	(b)	<p>ONE mark for each correct answer. THREE required.</p> <p>Good habit for life Help maintain a healthy weight/helps prevent obesity Reduce risk of heart disease/stroke/some cancers Plenty of variety/variety colours/variety of textures Source of vitamins/antioxidants/named vitamin Source of minerals/named mineral For fibre/good for digestive system/diverticulitis/constipation Boost immune system/protects from infections Heal wounds/prevents scurvy Contain water/hydrating Low in fat Filling/good to snack/won't spoil appetite Part of a balanced diet/eat well plate/five a day/encourages healthy eating/healthy diet</p>	3	Do not accept 'good for digestion'		
	(c)	<p>ONE mark for each correct point. TWO required. ONE mark for a matching description TWO required, eg</p> <table border="1"> <tr> <td>Parents/carers work</td> <td>Rely on ready prepared meals/ processed foods/takeaways which tend to be high in fat/fast food restaurants</td> </tr> </table>	Parents/carers work	Rely on ready prepared meals/ processed foods/takeaways which tend to be high in fat/fast food restaurants	4	Answers can mix and match so long as they are sensible combinations.
Parents/carers work	Rely on ready prepared meals/ processed foods/takeaways which tend to be high in fat/fast food restaurants					

Question	Answer	Marks	Guidance
	<p>Advertising aimed at young children</p> <p>Peer group pressure</p> <p>Less sport/more TV programmes/videos for young children</p> <p>More hand held/computer games etc</p> <p>Less outdoor play</p> <p>Parents/carers don't have time/ due to busy lives to encourage eating fruit/veg</p> <p>Fewer families eating together</p> <p>More children left with carers</p> <p>Children often driven to school/playgroup/clubs</p> <p>More/less affluent society</p>		
	Encourage child to want crisps/sweets/fizzy drinks		
	More children take packed lunches and do not want to be different to friends		
	Not using much energy up		
	Does not encourage children physically		
	Often due to parents/carers late home/lack of supervision as parent/carer busy catching up/busier roads		
	Easier to give in when children are going through a fussy stage		
	Children often snack or graze whilst watching TV etc		
	Might not follow parents/carers healthy eating requests		
	Habitual use rather than walking		
	More money to buy luxuries/high fat foods tend to be cheaper		

Question	Answer	Marks	Guidance
(d)	ONE mark for each correct answer. TWO required. Type 1 Digital (thermometer) Type 2 Strip (thermometer)	2	
(e)	ONE mark for each correct answer. FIVE required. Nightie/pyjamas Dressing gown Pants Slippers Wash bag/Toilet bag/Toiletries or any named example, eg. soap/toothpaste Flannel/sponge/wet wipes Toothbrush Brush/comb Book/comics Game/jigsaw/colouring books/activity books CD/MP3/MP4/DVD player Favourite toy/soft toy/teddy Comforter/dummy/favourite blanket Photos of family	5	
(f)	ONE mark for each correct answer. THREE required. eg Look at books/videos/DVDs about hospital Tell child about doctors/nurses/jobs/hospitals Talk about what will happen/answer child's questions Role play Visit beforehand Tell child there will be other children/toys/new friends Let child take familiar items/favourite toy/comforter Let them choose something new to take Tell them you will visit/stay with them Tell them they will get better/will come home	3	
	Total	20	

Question		Answer	Marks	Guidance
2	(a)	ONE mark for correct answer. ONE required. Before birth/pre-birth	1	
	(b)	ONE mark for each correct answer. FOUR required. ONE mark for a matching explanation FOUR required	8	
		Blood group	In case there is a need for an emergency/blood transfusion	
		Rhesus factor	Negative/positive antibodies	
		Anaemia	To establish iron levels/give supplement if needed	
		Rubella immunity	Mother is immune to German measles. Risk to baby.	
		Sickle cell disease or thalassaemia	Congenital illness. Detect carrier. Genetic counselling.	
		Syphilis/STIs	To detect and treat to prevent infecting baby.	
		Hepatitis B	Liver disease that may infect baby if mother is a carrier or infected during pregnancy. Baby can be immunised at birth.	
		Placental hormones	To make sure the placenta is working properly and the baby is supplied with enough food and oxygen.	

Question		Answer	Marks	Guidance
		<p>Down's risk screening</p> <p>AFP test</p> <p>HIV test</p>	<p>To find the risk of the baby having Down's syndrome. If mother is high risk group, amniocentesis is recommended.</p> <p>Screening for spina bifida.</p> <p>To give mother treatment/advise on types of birth and feeding baby</p>	
	(c) (i)	<p>ONE mark for correct answer. ONE required.</p> <p>Present at birth/born with it</p>	1	
	(ii)	<p>ONE mark for each correct answer. TWO required.</p> <p>Genetic/inherited/extra chromosome</p> <p>Brain damage/anoxia</p> <p>Developmental</p> <p>Smoking during pregnancy</p> <p>Drinking excessive alcohol in pregnancy</p> <p>Taking drugs in pregnancy</p> <p>German measles whilst pregnant</p>	2	

Question		Answer	Marks	Guidance								
	(iii)	ONE mark for each correct answer. THREE required.	3									
		<table border="1"> <thead> <tr> <th>Description</th> <th>Special need</th> </tr> </thead> <tbody> <tr> <td>Children have difficulties communicating and relating to others</td> <td>AUTISM</td> </tr> <tr> <td>The baby is born without a fully developed spine</td> <td>SPINA BIFIDA</td> </tr> <tr> <td>Children have behavioural problems and may be aggressive or hyperactive</td> <td>ADHD</td> </tr> </tbody> </table>	Description	Special need	Children have difficulties communicating and relating to others	AUTISM	The baby is born without a fully developed spine	SPINA BIFIDA	Children have behavioural problems and may be aggressive or hyperactive	ADHD		
Description	Special need											
Children have difficulties communicating and relating to others	AUTISM											
The baby is born without a fully developed spine	SPINA BIFIDA											
Children have behavioural problems and may be aggressive or hyperactive	ADHD											
		Total	15									

Question		Answer	Marks	Guidance
3	(a)	ONE mark for each correct answer. FIVE required. Bicycle 5 years Push along toy 15 months Activity mat 6 months Play dough 3 years Mobile 3 months	5	
	(b)	ONE mark for correct answer. ONE required. Development of the use of the hands and fingers /fingers/pincer grasp	1	Do not allow hands on own

Question	Answer	Marks	Guidance														
(c)	<p>ONE mark for each correct answer. THREE required, eg.</p> <p>Posting box/shape sorter Stacking cups Play bricks/bricks/blocks/cubes/building bricks Hammer pegs Bath toys Drop in jigsaw Activity books i.e. textured books/interactive books Activity centre/push-button toys/push in shapes Soft toys/soft ball/teddy</p>	3	Do not allow books on own														
(d)	<p>ONE mark for each correct point. THREE required. ONE mark for a matching description. THREE required. eg</p> <table border="1"> <tr> <td>Flameproof/low flammability label/non-flammable/flame resistant/not a flame hazard</td> <td>Prevent setting on fire too easily/lowers risk of catching fire/by law</td> </tr> <tr> <td>Warm/cool</td> <td>Suitable for the season to keep a child warm/cool</td> </tr> <tr> <td>Easy to wash/dry</td> <td>Children often have accidents/less work for parent/carer</td> </tr> <tr> <td>Loose/not tight</td> <td>To allow blood circulation/child can move freely</td> </tr> <tr> <td>Right size/correct size</td> <td>To prevent chafing/tripping</td> </tr> <tr> <td>No ribbons/strings</td> <td>To prevent getting caught around child's wrists/throat</td> </tr> <tr> <td>Non irritant/soft</td> <td>To prevent rashes/soreness</td> </tr> </table>	Flameproof/low flammability label/non-flammable/flame resistant/not a flame hazard	Prevent setting on fire too easily/lowers risk of catching fire/by law	Warm/cool	Suitable for the season to keep a child warm/cool	Easy to wash/dry	Children often have accidents/less work for parent/carer	Loose/not tight	To allow blood circulation/child can move freely	Right size/correct size	To prevent chafing/tripping	No ribbons/strings	To prevent getting caught around child's wrists/throat	Non irritant/soft	To prevent rashes/soreness	6	Answers can mix and match so long as they are sensible combinations.
Flameproof/low flammability label/non-flammable/flame resistant/not a flame hazard	Prevent setting on fire too easily/lowers risk of catching fire/by law																
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Question			Answer	Marks	Guidance
			Easy to put on/take off	Easy for going to toilet/change nappy	
			Porous	Breathable/stops sweating	
			Lightweight	Allows movement	
			Cost/value for money	Will last/consider budget	
			Colour/design	Suits likes/dislikes of child	
				Total	15

Question			Answer	Marks	Guidance
4	(a)		ONE mark for each correct answer. THREE required, eg Nursery School/nursery class Playgroup/playschool Montessori Kindergarten Parent and toddler group Day nursery Crèche	3	
	(b)	(i)	ONE mark for correct answer. ONE required. 3–4 years	1	
		(ii)	ONE mark for correct answer. ONE required. Looking-on	1	
		(iii)	ONE mark for correct answer. ONE required. Child plays with toys alone	1	

Question		Answer	Marks	Guidance
	(c)	ONE mark for each correct answer. THREE required. Physical Creative Imaginative/pretend Exploratory/discovery Manipulative	3	
	(d) (i)	ONE mark for correct answer. TWO required. Feelings of love/affection (1) between parents/carers and a baby (1)	2	
	(ii)	ONE mark for each correct answer. FOUR required. Opportunities (1) to be independent (1) Valued (1) as an individual (1) Reassured (1) to feel wanted/comforted when upset (1) Helped (1) to develop confidence (1) Security (1) feel safe/protected (1) Listened to (1) high esteem (1) Acceptable behaviour praised (1) to feel good (1) Encouragement (1) support in things they do (1) Consistent/fair discipline/handling (1) security in relationships (1)	4	Do not accept discipline on its own
		Total	15	

Question			Answer	Marks	Guidance	
					Content	Levels of response
5			Accommodation		Will have moved to bigger home if needed saves worrying about this when the baby has arrived/have thought about space for child to play outside	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.
			Health/give up smoking/balanced diets etc		Has started to take folic acid before conception and followed healthy lifestyle to optimise the best health/development for the baby and mother	In order to achieve a High Level response, both areas must be addressed in detail .
			Money		Will have budgeted for the initial needs of a baby/bought things in readiness	A candidate answering only one part of the question well remains in the Limited Response level and can access up to 7 marks only. Must be answered well, with clear descriptions and/or explanations.
			Career/break		Planned to enable a return when ready or to prevent resentment if decide to stay at home	
			Considered childcare options		Had time to plan what they want to best suit them/new baby	If candidates respond by giving answers in a list , they remain in the Low Level response.
			Maturity		Mature enough to decide together decisions on discipline/child's needs/education etc	Bullet point sentences can achieve up to the Limited Response level only.
			Lasting responsibility		Ready to accept and enjoy responsibility/realise less time for one another	
			Freedom/lifestyle change		Feel ready to settle down/ had time to earn and be more financially secure/no resentment due to loss of being able to go out without planning	

Question			Answer	Marks	Guidance	
					Content	Levels of response
			Genetic history/problems		Less risk if already taken advice	<p>High Level Response: 13–15 The candidate describes in detail several advantages to parents of preparing and planning for a family and gives comprehensive explanations of the points to be considered when choosing a home for a family with young children. 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 advantages to parents of preparing and planning for a family and gives some explanations of points to be considered when choosing a home for a family with young children. 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>
			In a stable relationship		Commitment to one another/in agreement to have a baby/something both partners have agreed to	
			Age		Optimum time to have a child before fertility lessens or risk of a Down's syndrome child increases (over 35 years)	
			Garden		Opportunity for safe play outside/put out washing/pram	
			Space indoors		Place for storage of toys/opportunity for play	
			No damp/warm environment		Prevents respiratory illnesses/infections	
			No steps/limited steps to house/easy access with pram		Easy access with a pram/buggy	
			Near park/play area		Space for children to run off energy/more toys to play on/other toys to play on	
			Near facilities/health centre/shops/schools etc.		Needed frequently with young children/no need to have/use a car	
			Near to playgroups/toddler groups		To encourage social play/meet other children of same age	
			Not on a busy main road/road with heavy traffic		Lessen risk of accidents/less pollution	

Question			Answer	Marks	Guidance	
					Content	Levels of response
			Toilet downstairs		Makes life easier for both child and parent/carer when toilet training	<p>Limited Response: 5–8 The candidate gives some valid advantages to parents of preparing and planning for a family and/or gives some explanations of points to be considered when choosing a home for a family with young children 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 (1/2) or incorrect answers. (0) Generally little reference to advantages showing 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.</p> <p>Errors of grammar, punctuation and spellings may be intrusive.</p>
			Safe wiring		Lessen risk of a fire	
			Adequate toilet/bathroom facilities		Young children need toilet facilities more frequently	
			Near a bus/transport route		Not so far to walk/allows parent/carer to take child further afield	
			Enough bedrooms/big enough for the family		Privacy for parents/carers. Allows child to have own space/keep own possessions	
			Near family/relatives		For extra help/babysitting/bonding etc	
			Near to childcare options		To lessen extra travel/extra time away from home/easier for parent/carer	
			Secure environment		To lessen the risk of accidents/child wandering out of garden	
			Cost of home/mortgage/rent		To suit the family budget/ability to pay	
			Total	15		

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