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**CHILD DEVELOPMENT**

**0637/01**

Paper 1 Theory Paper

**October/November 2019**

MARK SCHEME

Maximum Mark: 100

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**Published**

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the October/November 2019 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.

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This document consists of **10** printed pages.

**Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

**GENERIC MARKING PRINCIPLE 1:**

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

**GENERIC MARKING PRINCIPLE 2:**

Marks awarded are always **whole marks** (not half marks, or other fractions).

**GENERIC MARKING PRINCIPLE 3:**

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

**GENERIC MARKING PRINCIPLE 4:**

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

**GENERIC MARKING PRINCIPLE 5:**

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

**GENERIC MARKING PRINCIPLE 6:**

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

<b>Section A</b>								
<b>Question</b>	<b>Answer</b>	<b>Marks</b>						
1	<p>Award one mark for each correct feature.</p> <p>No loose strings, age guidelines, whether it is flammable, no small parts that cause choking, loose fibres</p> <p>Accept any other reasonable response.</p>	<b>2</b>						
2	<p>Award one mark for each correct toy.</p> <p>Rattle, Mobile, teddy bear, cloth doll, musical night light</p> <p>Accept any other reasonable response.</p>	<b>3</b>						
3(a)	<p>Award one mark for each correct way.</p> <p>Smiling, waving arms and legs, raising arms, cuddling in</p> <p>Accept any other reasonable response.</p>	<b>3</b>						
3(b)	<p>Award one mark for each correct way.</p> <p>Laughing, smiling, drawing pictures, talking about what they like, wanting to repeat experience or activity</p> <p>Accept any other reasonable response.</p>	<b>3</b>						
4	<p>Award one mark for each correct reason.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 15%; padding: 5px;">Home</td> <td style="padding: 5px;">House too small, house in unsafe area, temporary housing, still living with parents (2)</td> </tr> <tr> <td style="padding: 5px;">Earning</td> <td style="padding: 5px;">Parents have no income e.g. still at school/university, income not enough to afford a child, income fluctuates or inconsistent (2)</td> </tr> <tr> <td style="padding: 5px;">Health</td> <td style="padding: 5px;">Parent is not well enough to have pregnancy, parent has disease or illness that can be passed on, parent has addiction making them unsuitable to be parent (2)</td> </tr> </tbody> </table> <p>Accept any other reasonable response.</p>	Home	House too small, house in unsafe area, temporary housing, still living with parents (2)	Earning	Parents have no income e.g. still at school/university, income not enough to afford a child, income fluctuates or inconsistent (2)	Health	Parent is not well enough to have pregnancy, parent has disease or illness that can be passed on, parent has addiction making them unsuitable to be parent (2)	<b>6</b>
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5	<p>Award one mark for each correct possible cause.</p> <p>Disability, blindness, deafness, lack of parental attention, abuse, premature birth, accident</p> <p>Accept any other reasonable response.</p>	<b>4</b>						

Question	Answer	Marks						
6	<p data-bbox="316 248 852 282">Award one mark for each correct reason.</p> <table border="1" data-bbox="320 315 1310 611"> <tr> <td data-bbox="320 315 588 416">Pregnant woman</td> <td data-bbox="588 315 1310 416">Blood test, scan, advice, weight check, blood pressure (2)</td> </tr> <tr> <td data-bbox="320 416 588 517">Newborn Baby</td> <td data-bbox="588 416 1310 517">Birth/delivery, weight check, post-natal check-up, immunisation (2)</td> </tr> <tr> <td data-bbox="320 517 588 611">Young child</td> <td data-bbox="588 517 1310 611">Immunisation, ill health, development check-up, advice (2)</td> </tr> </table> <p data-bbox="316 645 831 678">Accept any other reasonable response.</p>	Pregnant woman	Blood test, scan, advice, weight check, blood pressure (2)	Newborn Baby	Birth/delivery, weight check, post-natal check-up, immunisation (2)	Young child	Immunisation, ill health, development check-up, advice (2)	6
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7	<p data-bbox="316 714 815 748">Award one mark for each correct way.</p> <p data-bbox="316 781 1169 848">Warm drink, bath, story, quiet activities, no television, cuddle with parents/carers</p> <p data-bbox="316 882 831 916">Accept any other reasonable response.</p>	3						

<b>Section B</b>										
<b>Question</b>	<b>Answer</b>	<b>Marks</b>								
8(a)	<p>Award one mark for each correct change and up to two marks for the explanation of why.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Change</th> <th style="text-align: center;">Explanation</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Breasts develop</td> <td>Breast increase in size this is to enable women to produce milk to breastfed babies.</td> </tr> <tr> <td style="text-align: center;">Menstruation</td> <td>Women release an egg each month, if unfertilised this causes a bleed or period. This enables conception and pregnancy after intercourse.</td> </tr> <tr> <td style="text-align: center;">Hips broaden</td> <td>Pelvis grows making hips broader, this is to make delivery of a baby possible.</td> </tr> </tbody> </table> <p>Accept any other reasonable response.</p>	Change	Explanation	Breasts develop	Breast increase in size this is to enable women to produce milk to breastfed babies.	Menstruation	Women release an egg each month, if unfertilised this causes a bleed or period. This enables conception and pregnancy after intercourse.	Hips broaden	Pelvis grows making hips broader, this is to make delivery of a baby possible.	<b>9</b>
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Question	Answer	Marks								
8(b)	<p data-bbox="316 248 1038 282">Award up to three marks for discussion of each aspect.</p> <table border="1" data-bbox="320 315 1310 1182"> <thead> <tr> <th data-bbox="320 315 552 378">Aspect</th> <th data-bbox="552 315 1310 378">Discussion</th> </tr> </thead> <tbody> <tr> <td data-bbox="320 378 552 647">Motherhood</td> <td data-bbox="552 378 1310 647">Some women have no choice or control about when they become mothers because they have a lack of knowledge. Some women will have many children as they are unable to use contraception due to religious beliefs. Some women will have no choice about where they have their baby because of finances or lack of choice.</td> </tr> <tr> <td data-bbox="320 647 552 916">Marriage</td> <td data-bbox="552 647 1310 916">Some cultures arrange marriages and so the woman may not choose her husband. In some countries women are chosen a husband and intended to marry when they are still children themselves. In some cultures and religion same sex marriage is not allowed. In some religions a woman must change her faith or religion to marry the person of her choice.</td> </tr> <tr> <td data-bbox="320 916 552 1182">Contraception</td> <td data-bbox="552 916 1310 1182">Some women can take control of their fertility meaning they chose when to have children. In some religions women are unable to use some types of birth control and use natural methods that are unreliable. Some women live in communities where they cannot access contraception which leaves them vulnerable to catching infectious diseases and unwanted pregnancy.</td> </tr> </tbody> </table> <p data-bbox="316 1216 831 1249">Accept any other reasonable response.</p>	Aspect	Discussion	Motherhood	Some women have no choice or control about when they become mothers because they have a lack of knowledge. Some women will have many children as they are unable to use contraception due to religious beliefs. Some women will have no choice about where they have their baby because of finances or lack of choice.	Marriage	Some cultures arrange marriages and so the woman may not choose her husband. In some countries women are chosen a husband and intended to marry when they are still children themselves. In some cultures and religion same sex marriage is not allowed. In some religions a woman must change her faith or religion to marry the person of her choice.	Contraception	Some women can take control of their fertility meaning they chose when to have children. In some religions women are unable to use some types of birth control and use natural methods that are unreliable. Some women live in communities where they cannot access contraception which leaves them vulnerable to catching infectious diseases and unwanted pregnancy.	<b>9</b>
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8(c)	<p data-bbox="316 1281 1145 1314">Award up to two marks for each explanation of a harmful effect.</p> <p data-bbox="316 1348 1150 1413">The baby may be born with foetal alcohol syndrome (1) causing developmental delay and ill health (1)</p> <p data-bbox="316 1417 1318 1482">There is an increased risk of premature birth (1) and the pregnancy may end in miscarriage/greater risk from sudden infant death syndrome (1)</p> <p data-bbox="316 1516 831 1550">Accept any other reasonable response.</p>	<b>4</b>								

Question	Answer	Marks
8(d)	<p>Award up to two marks for each explained benefit.</p> <p>The mother and father will have emotional support (1) if they are finding aspects of parenting difficult and will get advice (1)            Family members can give advice and guidance (1) as they may have experience of the types of problems being faced (1)            Family can offer companionship (1) if the father is away (1)            The family might help with childcare (1) meaning that mothers can have rest and recuperation (1)            The family might be able to help with night feeds (1) to prevent mother and father from becoming exhausted (1)</p> <p>Accept any other reasonable response.</p>	6
8(e)	<p>Award up to four marks for explanation of how fertility treatment can help women to become parents.</p> <p>The parents can have donor sperm. This is where sperm is injected into an egg to create an embryo. It is possible that the egg will biologically belong to one of the parents.</p> <p>The parents can have donor egg and sperm. This is where an embryo is created that has not biological connection to either parent.</p> <p>The parents can choose surrogacy. This is where the embryo is carried by another female. The embryo may have no biological connection to the parents or be biologically related to one of them.</p> <p>Accept any other reasonable response.</p>	4
8(f)	<p>Award up to two marks for explanation of each term.</p> <p>Surrogate Mother – The mother who is pregnant and will give birth to the baby will give the baby to a different parent when it is born. The surrogate mother may have used her own eggs to conceive the baby or the baby might not be biologically related to the baby.</p> <p>Foster mother – This is a temporary arrangement where a female care giver looks after a child. This is usually short term. The foster mother usually has no biological relationship with the child. Foster mother care for children of any age.</p> <p>Accept any other reasonable response.</p>	4

Question	Answer	Marks
9(a)	<p>Award one mark for identifying a suitable item and one mark for giving the correct use of the item.</p> <p>Items might include: Plasters, tweezers, triangular bandage, eye bath, gauze.</p> <p>Uses: Plasters cover a small wound to prevent infection in wound. Tweezers can be used to remove a foreign object, such as a splinter from a finger. Triangular bandage can be used to elevate and steady an arm in the case of a suspected broken bone. Eye baths can be used to fill with water and flush the eye to remove a foreign object. Gauze can be used to cover a large wound. Bound with a bandage it can help to stem bleeding and prevent infection of the wound.</p> <p>Accept any other reasonable response.</p>	<b>10</b>
9(b)	<p>Award up to two marks for explanation of safety measures.</p> <p>Cutting down thistles (1) to make sure they do not prickle children (1) Cover ponds (1) to prevent children from falling in and drowning (1) Lock sharp tools away in a shed (1) to prevent children from cutting and harming themselves (1) Make sure that chemicals are locked away (1) to prevent children from drinking these or becoming burnt by them (1) Provide shade (1) to protect children from the sun (1)</p> <p>Accept any other reasonable response.</p>	<b>4</b>

SECTION C		
Question	Answer	Marks
10(a)	<p><b>0–7 low level response</b> The response does not link to the question specifically. The candidate has attempted only part of the question. Responses are bullet points or not clearly explained or relevant.</p> <p><b>8–11 Medium level response</b> The candidate has answered all parts of the question although without the same depth. The candidate has described each method of feeding and there may be some explanation of the different methods. The candidate has outlined some disadvantages of each method of feeding. There may be some discussion of why parents might choose each method of feeding.</p> <p><b>12–20 High level response</b> All parts of the question have been responded to well and in depth. The candidate has explained the different methods of feeding and has outlined possible disadvantages of each method. There is a discussion of why parents might choose each method.</p> <p><b>Indicative content:</b> There are two choices for feeding – breast or bottle. Bottle feeding involves making up milk using dried powder and water. The water needs to be sterilised otherwise this can cause stomach infections. Breast feeding is best for babies because it contains all the required nutrients, vitamins and minerals and is at the right temperature, consistency and always available. There are also benefits from breastfeeding for health as babies will have some immunity passed from their mothers. Some mothers might choose to breastfeed because their water is not safe for drinking or is not easily available. Some mothers choose to breast feed because it is free and they do not need to buy feeding equipment. Some mothers choose to breast feed because they feel it is better for their babies health. Mothers might bottle feed for different reasons. They might find breast feeding uncomfortable and so decide that bottle feeding is better. Some mothers might want to share feeding with their partner who will give a bottle. Some mothers will mix breast and bottle feeding. This allows them to spend time away from their baby, such as when they return to work. Some parents might feel embarrassed about breastfeeding and so they chose to bottle feed instead. Breastfeeding can be difficult. Some mothers find it painful as they suffer from cracked nipples or get an infection of the milk ducts known as mastitis. Some people are conscious of their bodies and do not want to feed their babies in public. Some mothers feel that they do not produce enough milk for their growing baby and so they stop breastfeeding. Bottle fed babies are more prone to infections such as gastroenteritis. This is because equipment needs to be kept sterile. This can be difficult for parents as they need to make sure bottles are cleaned and correctly sterilised after each use. Bottles and sterilising fluid, machines or equipment can be expensive. It is important not to overheat bottles as this can burn babies' mouths.</p>	20

Question	Answer	Marks
10(b)	<p><b>0–7 low level response</b> The response does not link to the question specifically. The candidate has attempted only part of the question. Responses are bullet points or not clearly explained or relevant.</p> <p><b>8–11 Medium level response</b> The candidate has answered all parts of the question although without the same depth. The candidate has described some physical changes and there may be some explanation. The candidate has given some examples of how a culture may view a young male's progression into adulthood. There may be some discussion of how hormones can affect a male's emotions.</p> <p><b>12–20 High level response</b> All parts of the question have been responded to well and in depth. The candidate has explained the physical changes a male goes through during puberty. There are several examples of how some cultures may view a young male's progression into adulthood. There is a discussion of how hormones can affect a male's emotions during puberty.</p> <p><b>Indicative content:</b> During puberty males experience a deepening of their voice. Males will have an increase in height and their shoulders will broaden. They might put on more muscle and their jaw may widen. Male's penis will enlarge and he will produce semen. This is when he ejaculates fluid when aroused. This is in readiness for sexual intercourse and fertilising eggs. The testicles enlarge and hang slightly lower away from the body. This is where sperm is produced. During puberty males may experience changes in their emotions. They will have an increase in the production of testosterone and this can sometimes make males feel aggressive. They might start to have sexual feelings and become frequently aroused. They might become more aware of other people they desire. These feelings can be quite powerful. As males are turning into adults, they might also feel confused and upset at times. They might feel that they should not cry and become frustrated as they find new ways to express their strong emotions. This might be the time that males become aware of their sexuality and this might lead them to question whether they are attracted to females or males. This can be a stressful time and they may experience feelings of guilt or shame if their sexuality is not accepted by their families. Young males might be physically aggressive towards each other as they experience the same strong emotions around the same time. Each culture treats puberty differently. In some religions, it is a time for great celebrations. Some religions mark the event by having parties and celebrations for the male. In some cultures, they might have an initiation or a rite of passage. This could involve proving they are brave or strong. In some cultures, physical activity takes place such as hunting or lifting something of great weight. In some cultures this will be the time when families start to plan for the males wedding and start to look for a possible partner. In some cultures, males will leave home and live independent lives away from their family. In other cultures, there is no event or celebration and the male will continue to be treated as a child for many years to come.</p>	20