

Mark Scheme (Results)

Summer 2013

Health and Social Care (6938) Unit 1:
Human Growth and Development

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question Number	Answer	Mark
1(a)	<p>2 marks for one clear difference. 1 mark only for an accurate fact.</p> <ul style="list-style-type: none"> • Milk teeth (20) : permanent teeth (32) • Milk teeth drop out : permanent teeth do not • Milk teeth fewer in number: Permanent teeth are greater in number • Milk teeth smaller/weaker: Permanent teeth larger/stronger • Milk teeth come first: Permanent teeth come afterwards • Milk teeth from 6 months : Permanent teeth from about 6 years <p>Accept baby teeth/adult teeth and if one difference is clear can ignore inaccurate ages</p>	(2)

Question Number	Answer	Mark
1(b)	<p>2 marks for full explanation of each point linking dietary choices and tooth decay, 1 mark for a partial explanation. Max = 4</p> <p>For example:</p> <ul style="list-style-type: none"> • Food and drink containing high levels of sugar leading to increased risk of tooth decay • Low calcium diet would lead to poor tooth development (enamel) • Soft, mushy food leaves deposits on your teeth which lead to tooth decay • Snacks should be avoided where possible as they leave sugary deposits on teeth leading to decay. • Acid foods damage the enamel. <p>Any other accurate explanation reflecting the question stem.</p>	(4)

Question Number		Indicative Content
1(c)		<p>How low income affects dietary choice. For example:</p> <ul style="list-style-type: none"> • More processed food consumed/cheaper than fresh • Fruit and vegetables are expensive and not very filling so few low income groups consume 5-a-day. • Consume cheap foods rich in energy so tendency to become overweight • Cheap foods tend to be high in fat and sugars and salt producing problems in later life. • Unable to buy organic foods containing fewer chemicals. • Social factor – use of local shops as cannot afford transport to supermarkets / difficulty carrying <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-2	Two factors with no explanation or one factor plus a weak explanation.
2	3-4	Two factors with weak explanations or one factor with a full and accurate explanation.
3	5-6	Coherent well-structured response identifying two points with accurate explanations.

Question Number		Indicative Content
1 (d) QWC		<p>How has attending a centre changed self concept No marks for definition of self concept For example:</p> <p>Positive</p> <ul style="list-style-type: none"> • Has begun mixing with other people so more self-confident • More motivated to do things such as take Matti to the dentists and improve her communication skills • Thinking about employment so eager to face challenges • Other people want to be friends with her so self image improves <p>Negative</p> <ul style="list-style-type: none"> • Self esteem low as unable to communicate effectively • Self esteem low as feels unworthy with no partner • Poor self image as feels unattractive • Self confidence low in the company of other mothers. <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-2	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no discussion.
2	3-5	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at discussion. Some accuracy of spelling, punctuation and grammar. Maximum of 5 marks for a one sided answer
3	6-8	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. The work is coherent and well-structured, accurately reflecting the question stem. Discussion is present. Considerable accuracy in spelling, punctuation and grammar.

Question Number		Indicative Content
1(e)		<p>How employment affects health and well-being</p> <p>Positive</p> <ul style="list-style-type: none"> • Will meet more people and make more friends • Should improve income • Fresh ideas about coping skills/support • Increasing communication skills • Gain new skills/ may increase fitness if relevant employment • Able to afford healthier diet • Able to have small treats • Generally be happier/independence • Improve self esteem/self image/ self concept <p>Negative</p> <ul style="list-style-type: none"> • Will lose some benefits so working may not improve income much • Increase anxiety about missing work if Matti is unwell • Likely to be low paid as no skills and poor communication • School holidays will be a problem • Not see friends often. • School holidays will be a problem for Mati's care • Not see friends / son as often • Increased tiredness / stress <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-3	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no examination.
2	4-6	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at examination. Some accuracy of spelling, punctuation and grammar. Maximum 6 marks if one sided
3	7-10	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. The work is coherent and well-structured, accurately reflecting the question stem. Examination is present. Considerable accuracy in spelling, punctuation and grammar.

Total for Question 1 – 30 marks

Question Number	Answer	Mark
2(a)(i)	1 mark for accurate response: Middle adulthood	(1)

Question Number	Answer	Mark
2(a)(ii)	1 mark for accurate response: Later adulthood	(1)

Question Number	Answer	Mark
2(b)	<p>Three physical characteristics of menopause described. 2 marks for each description, 1 mark for a partial description or correct phrase.</p> <p>For example:</p> <ul style="list-style-type: none"> • Menstrual cycle becomes irregular (1) and varied, eventually ceasing altogether (1). • Hormone secretion changes/stops (1) (oestrogen and progesterone decrease but follicle-stimulating hormone increases)(1) causing cycle to change (1) • Hot flushes/night sweats (1) due to influence of hormone change(1) • Eggs/ova stop being released(1) as no more viable eggs left in ovaries /unable to have children (1) <p>Do not accept emotional changes.</p>	(6)

Question Number	Answer	Mark
2(c)	<p>Impact of deafness on social development 2 marks for an accurate explanation, 1 mark for a partial explanation.</p> <p>For example:</p> <ul style="list-style-type: none"> • Tendency not to make new friends(1) • Withdraw from public (1) so reduce social development (1) • Deafness leads to poor communication skills(1) so conversing with other people is difficult (1) especially with background noise(1) • Errors in communication can occur(1) leading to people laughing at mistakes(1) • Increasing isolation/loneliness(1)embarrassment (1) due to being unable to communicate clearly(1) • Unable to fully join in with social events(1) because he cannot hear what is being said (1) 	(4)

Question Number		Indicative Content
2(d) QWC		<p>Benefits of exercise for adults</p> <p>For example:</p> <ul style="list-style-type: none"> • Feel good factor (some candidates may mention endorphins) • Stimulates the cardiovascular system including the heart • Reduces blood pressure • Helps breathing • Tone/strengthens muscles • Improves stamina/fitness • Strengthens bones (prevents osteoporosis)/keeps bones flexible • Improves confidence/self image/self esteem • Reduces stress levels/helps relaxation • Helps to keep weight and energy levels in balance • Encourages cooperation between individuals (team work)/meet new people • Stimulates cognitive development • Decreases risk of diabetes/heart disease/stroke etc. <p>Any other accurate description reflecting the question stem. Do not credit negatives because Q relates to benefits.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-2	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no discussion.
2	3-5	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at discussion. Some accuracy of spelling, punctuation and grammar.
3	6-8	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. The work is coherent and well-structured accurately reflecting the question stem. Discussion is present. Considerable accuracy in spelling, punctuation and grammar.

Question Number		Indicative Content
2(e) QWC		<p>Caring for older parent affecting development Candidates likely to use PIES</p> <p>For example:</p> <p>Positive</p> <ul style="list-style-type: none"> • Keeps her active not bored • Benefits from their experience/advice • Company in the home • Happy to help James look after his father • Help to keep their independence • Feels needed around the house • He may be able to help with little chores <p>Negative</p> <ul style="list-style-type: none"> • Feeling of being trapped/frustration • negative self concept/low self esteem /poor self image • Limits activities with friends /stay at home more • Extra work/ more tired • May resent time spent looking after Tom • Could be embarrassed to have friends round or to visit. • Rarely on own or just with James • Stressed/ irritated over Tom's deafness <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-3	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no examination.
2	4-6	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at examination. Some accuracy of spelling, punctuation and grammar. Maximum 6 marks for one sided response
3	7-10	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. The work is coherent and well-structured accurately reflecting the question stem. Examination is present. Considerable accuracy in spelling, punctuation and grammar.

Total for Question 2 – 30 marks

Question Number	Answer	Mark
3(a)(i)	1 mark for accurate response: Educational/behavioural model (accept either on own)	(1)

Question Number	Answer	Mark
3(a)(ii)	1 mark for accurate response: Biomedical model	(1)

Question Number		Indicative Content
3(b) QWC		<p>Comparison of key features of educational/behavioural and biomedical models</p> <p>Maximum of 2 marks for each accurate description of one model</p> <p>For example;</p> <ul style="list-style-type: none"> • Biomedical is expert –led whereas educational/behavioural can be a knowledgeable trained person • There is more trust in experts of the biomedical model than in educational/behavioural • Educational/behavioural aims to supply information to raise awareness whereas biomedical does not. • Biomedical aims to treat or prevent whereas educational/behavioural aims to persuade people to live a healthier lifestyle • Educational/behavioural more likely to be class-orientated than biomedical. • Specialist resources are necessary for biomedical model whereas this is less needed with the educational/behavioural. <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-2	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no comparison.
2	3-5	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at comparison. Some accuracy of spelling, punctuation and grammar.
3	6-8	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. There must be evidence of comparison at this level. The work is coherent and well-structured accurately reflecting the question stem. Comparison is present. Considerable accuracy in spelling, punctuation and grammar.

Question Number	Answer	Mark
3c	<p>Why evaluation is important for health promotion campaigns</p> <p>For example:</p> <ul style="list-style-type: none">• To justify money, time and effort spent (1)• To measure any change in behaviour(1)• To inform future health promotion campaigns (1)• To demonstrate the outcomes (with reliability and validity)(1)• To feedback to sponsors of free tooth products(1) so sponsor knows if investment was worth it(1)• To see if the health promotion campaign has worked(1) and the behaviour children/carers has changed (1) <p>Any other accurate explanation reflecting the question stem.</p>	(4)

Question Number	Answer	Mark
3(d)	<p>How could they evaluate their dental health promotion? Two ways only requested. Up to 3 marks for a full and accurate explanation of evaluation. Candidates likely to state the method but not say what this demonstrates for the third point. (2x3)</p> <p>For example:</p> <ul style="list-style-type: none"> • Check how many people take the free toothbrush/toothpaste(1) • Give the main carers a before and after questionnaire (1) you then know what they knew at the start(1) and what they have learnt through the health promotion(1) • Take an observer with you (1) to see how well you did the health promotion (1) so they can give feedback(1) • Check numbers seen in family centre who need treatment (1)against the number who actually attend (1) have the treatment and therefore have been influenced successfully(1) • Compare the number of decayed teeth in children of pre-school age with the next say 5 years with the previous 5 years. A reduction will show success of the promotion. • Compare sales of toothbrushes and toothpaste in the locality over a period of time with the same time in the past. An increase shows successful campaign. • Log all requests for free tooth cleaning agents from clients of family centre and compare over periods of time. An increase shows successful campaign. • Compare school dental records in the future to those in the past. • By questionnaire to parents about how often and how long a child cleans their teeth for compared to past. • By observation during examination and comparing with previous records. <p>Any other accurate description reflecting the question stem.</p>	(6)

Question Number		Indicative Content
3(e) QWC		<p>Examination of the term “health”</p> <p>For example:</p> <ul style="list-style-type: none"> • Different things to different people • Difficulty of defining the term • Negative view of health • Positive view on health • Cultural views /spiritual aspect • Holistic health • WHO definition/incomplete (1) complete (2) and its criticisms • Modern views incorporating achievement of potential etc. • Social construction <p>Any other accurate description reflecting the question stem.</p>
Level	Mark	Descriptor
	0	No rewardable material
1	1-3	The level of knowledge will be basic and there will be omissions. Meaning is conveyed in a non-specialist way and there is no examination.
2	4-6	Fewer omissions and knowledge may still be basic at the lower end but is explained in more detail. There may be simple links to other points but some specialist terms are used with an attempt at examination. Some accuracy of spelling, punctuation and grammar.
3	7-10	Demonstrates a depth of knowledge using specialist terms with links to other points and detailed explanations. The work is coherent and well-structured accurately reflecting the question stem. Examination is present. Considerable accuracy in spelling, punctuation and grammar.

Total for Question 3 – 30 marks
Total for Paper – 90 marks

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