



**General Certificate of Education (A-level)
January 2013**

Health and Social Care

HSC02

**(Specification
1821/1822/2821/2822)**

**Unit 2: Understanding Health Conditions and
Patient Care Pathways**

Final

Mark Scheme

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Question 1

Question	Part	Sub Part	Marking Guidance	Mark	Comments
1	a		<p>Allow 1 mark for: Sexually Transmitted Infection/STI (1) plus any two of the following:</p> <ul style="list-style-type: none"> caused by bacteria (1) through unprotected anal/vaginal/oral sex (1) through sharing sex toys such as vibrators, without cleaning in-between use and/or putting a new condom on it (1) passed from infected mother to child (1) <p style="text-align: right;">max 3</p>	3	Do not allow STD
1	b		<p>Accept:</p> <ul style="list-style-type: none"> Vaginal discharge (1) which may be an unusual colour and texture/thick yellow or green (1) problems urinating (1)/pain/burning sensation (1) tenderness/pain (1)/ in lower abdomen (1) heavier periods than usual (1)/bleeding between periods/irregular periods (1) rectal pain (1)/ if she practices anal sex (1) AW sore throat with fever (1)/ if she practices oral sex (1) AW pain during sex (1) <p style="text-align: right;">max 4</p>	4	<p>Allow: It might be that Louise has not experienced any symptoms (1)</p> <p>Allow: Asymptomatic (1)</p>
1	c		<p>Accept:</p> <ul style="list-style-type: none"> treated with a (single) dose of antibiotics (allow appropriate named, e.g. azithromycin) (1) as an injection (1) or as a pill (1) some strains are antibiotic resistant (1) In this case a combination of two antibiotics is used (1) <p style="text-align: right;">max 3</p>	3	'Antibiotic' must be present in the answer for 'pill' and/or 'injection' to be credited.

1	d	<p>Accept:</p> <p>Louise will suffer physically</p> <ul style="list-style-type: none"> • if untreated it could lead to pelvic inflammatory disease (PID) (1) • infertility/damage to reproductive system (1) • long term pelvic pain (1) • higher risk of ectopic pregnancy (1) <p>Louise may be affected emotionally</p> <ul style="list-style-type: none"> • embarrassed (1) • worried about impact on fertility (1) • feel stressed/down/upset about her condition (1) <p>Louise may be affected socially</p> <ul style="list-style-type: none"> • she may become withdrawn from friends / isolate herself (1) • no sexual contact/intimate contact until she is clear (1) <p>Louise may be affected Intellectually</p> <ul style="list-style-type: none"> • may be unable to concentrate at work (1) • become more educated about STIs/safe sex/gonorrhoea (1) <p style="text-align: right;">max 5</p>	5	<p>Allow 'sad' (1) for 'down/upset'.</p> <p>Ignore references to feeling depressed.</p>
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Question 2

Question	Part	Sub Part	Marking Guidance	Mark	Comments
2	a		<p>Accept:</p> <ul style="list-style-type: none"> • When the heart's blood supply is stopped /interrupted / blocked (1) • by a build-up of fatty substances/deposits/atheroma (1) • in the (coronary) arteries (1) • this process is called atherosclerosis (1) • it can lead to chest pains called angina (1) • can lead to a heart attack (1) <p style="text-align: right;">max 3</p>	3	
2	b		<p>Accept any three of the following:</p> <ul style="list-style-type: none"> • Palpitations (1) • (unusual) breathlessness (1) • chest pains/angina (1) • Paul may have been entirely symptomless (1) • fainting (1) • heart attack (1) • fluid retention / puffiness (1) • bluish tinged fingernails / lips (1) • fatigue AW (1) • high blood pressure (1) <p style="text-align: right;">max 3</p>	3	<p>Allow 'difficulty breathing' (1) for 'breathlessness'.</p> <p>Allow 'tight chest' (1) for chest pains.</p>
2	c		<p>Accept:</p> <ul style="list-style-type: none"> • If he smokes, Paul could stop (1) • (Under medical supervision) increase exercise level / start exercising (1) • keep to a healthy weight / lose weight if overweight (1) • cut down on salt (1) • cut down on alcohol (1) • cut down on saturated fats/trans fats (1) <p style="text-align: right;">max 3</p>	3	

2	d	<p>Likely answers include:</p> <ul style="list-style-type: none"> • Paul will suffer physically • may find it difficult to manage changes to diet • find it hard to motivate himself to maintain new exercise programme • may need to have an angioplasty/stents fitted • Paul may be affected emotionally • feel stressed/down/upset/anxious/worried about his condition • allow above points for family also • family may be affected Socially • he/they may become withdrawn from friends (e.g. going to the pub) • may affect Paul and his family financially • if he needs to take time off work • Intellectually • Paul and his family may be unable to concentrate at work/at school/ learn like others <p>Mark ranges</p> <p>0 marks No response worthy of credit</p> <p>1-2 marks Answers briefly discuss 1-3 points, mainly statements of effects. Points made but not reasoned or developed. A single point discussed in detail can be awarded 2 marks.</p> <p>3-4 marks Answers are discussed in more detail with some reasoning covering 4-5 points. Answers will be organised but lack precision. A single point discussed in detail can be awarded 2 marks.</p> <p>5-6 marks Answers are discussed in detail and are well-reasoned, covering 6 or more points. A single point which reveals detailed and accurate discussion can be awarded 2 marks.</p>	6	
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Question 3

Question	Part	Sub Part	Marking Guidance	Mark	Comments
3	a		<p>Allow 1 mark for: Mental health disorder/condition (1)</p> <p>Plus 2 marks for any two from the following:</p> <p>Environmental factors including:</p> <ul style="list-style-type: none"> • Going through puberty (1) • living in a culture where thinness is desirable / media related / social pressure to be thin (1) • abuse (1) <p>Psychological factors including:</p> <ul style="list-style-type: none"> • Tendency/prone to toward anxiety and/or depression (1) • poor/weak reaction to stress (1) • excessive restraint or control in other areas of life (1) <p>Biological factors including:</p> <ul style="list-style-type: none"> • Malnutrition (1)/affecting balance of hormones in the body (1) • brain becoming sensitive to the amino acid tryptophan (1) <p style="text-align: right;">max 3</p>	3	<p>Do not allow eating disorder</p> <p>Not just 'depression'.</p> <p>Allow 'perfectionism' (1) for 'excessive restraint/control'.</p>

3	b	<p>Accept any four of the following:</p> <ul style="list-style-type: none"> • Tooth decay/bad breath (1) • engagement in lots of high impact activities / over exercising (1) • hard skin on knuckles (1) • excessive weight loss (1) • lying to others about food consumption (1) • find it difficult to think about anything else but food (1) • lying to others about weight loss (1) • periods stop (AW) (1) • growth of fine hair on body/face (1) <u>or</u> thinning / loss of hair (1) • pain in abdomen (1) • swelling in feet / hands (1) • intolerance to cold (1) • light headed / dizzy (1) <p style="text-align: right;">max 4</p>	4	<p>Allow purging/vomiting (1)</p> <p>Only allow one 'hair related' answer</p>
3	c	<p>Likely answers:</p> <ul style="list-style-type: none"> • Claire will be put at the centre of the care process • she will be involved in the decisions about her care as an equal partner (When appropriate – reference to age and/or mental health. Possible links to parents and / or medical staff making the decisions) • family / medical staff may need to make decisions for her • practitioners will show understanding and compassion as Claire will feel very vulnerable (reference to mental health) AW • Claire will be treated with dignity/respect • this will result in Claire being more engaged and involved in her own care (e.g. decisions about increasing food consumption, dietary choices, exercise) • this will ultimately help Claire to make the appropriate health and lifestyle changes to manage her anorexia • those involved in her care will try to recognise ways in which Claire can take responsibility for her own health and well-being 	8	

			<ul style="list-style-type: none"> • enabling Claire to make informed choices about food/ to give informed consent about different suitable treatments (reference appropriate) • be empowered to access further sources of support as and when needed • this may help prevent relapse. • appropriate examples of further support, e.g. Beat <p>Mark ranges</p> <p>0 marks No response worthy of credit</p> <p>1-2 marks Answers cover 1-2 points with a basic explanation of a patient-centred approach to care. A single point explained in detail can be awarded 2 marks.</p> <p>3-5 marks Answers cover 3-5 points with a reasonable explanation of the patient-centred approach to care with some reference to Claire and her anorexia. A single point explained in detail can be awarded 2 marks.</p> <p>6-8 marks Answers cover 6 or more points with a detailed explanation of the patient-centre approach to care with reference to Claire and her anorexia. For full marks, at least 2 points must be specific to anorexia.</p>		
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Question 4

Question	Part	Sub Part	Marking Guidance	Mark	Comments
4	a		<p>Reference to Gavin's asthma causing:</p> <ul style="list-style-type: none"> • Tight feeling in chest (1) • wheezing AW (1) • gasping for breath/ feeling breathless AW (1) • coughing (1)/especially at night and early morning (1) • may find it difficult to exercise (1)/especially in colder weather (1) <p style="text-align: right;">max 6</p>	6	<p>Allow 'short of breath'(1) for 'breathless'.</p> <p>Not just 'chest pain'.</p>

4	b	<p>Likely points will include:</p> <ul style="list-style-type: none"> • Initially – GP/practice nurse / asthma nurse • measuring peak flow – maximum rate at which air can be expelled from the lungs • consideration of Gavin’s patient history • putting Gavin at the centre of the care • discussing Gavin’s current lifestyle, e.g. exercise, pets at home, any passive smoking (any triggers for Gavin) • creating and maintaining confidential records of Gavin’s asthma. Asthma plans. • advising on lifestyle modifications (these could include family members) • negotiating the most effective method of managing asthma, e.g. types of inhaler, soluble prednisolone (corticosteroid), spacer. • referring to other health professionals, e.g. complementary therapists, paediatric respiratory specialists, other further specialist management (for example to assist with any side effects which result from long term steroid use) • on-going monitoring • GP provides prescription for pharmacist • Gavin’s carers will be advised to contact A&E in the event of an uncontrolled attack • Appropriate points for A&E, eg oxygen, nebulised, steroids • Ongoing monitoring of asthma should take place to ensure Gavin is supported and referred back into the pathway if asthma management techniques are not effective. <p>Mark Ranges</p> <p>0 marks No response worthy of credit.</p> <p>1-3 marks Responses are generally vague and repetitive with little coherence and detail in the pathway. There will be little use of appropriate medical terminology.</p> <p>4-6 marks Some detail in responses demonstrating an understanding of the pathway and some logical reasoning and use of appropriate technical terminology. Answers may lack precision but are organised.</p>	9	
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			7-9 marks Responses are detailed demonstrating a clear understanding of the pathway, are well-structured and coherently reasoned. There will be good use of appropriate terminology.		
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