

Level 3 Alternative Academic Qualification Cambridge Advanced Nationals in Mental Health: Individuals and Society

H098/H198 Unit F400: Fundamentals of mental health and the individual

Sample Assessment Material (SAM)

Time allowed: 1 hour 45 minutes	
No extra materials are needed.	
Please write clearly in black ink. Do not v	write in the barcodes.
Centre number	Candidate number
First name(s)	
Last name	
Date of birth	X Y Y Y

INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- In the live exam there might be lined pages at the end of the question paper for you to use if you need extra space. Remember, you must clearly show the question numbers.
- Answer all the questions.

INFORMATION

- The total mark for this paper is **70**.
- The marks for each question are shown in brackets [].
- This document consists of 20 pages.

ADVICE

Read each question carefully before you start your answer.

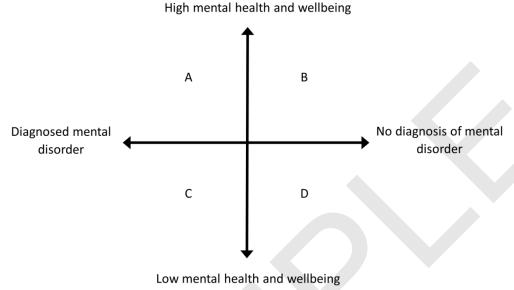
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Answer all questions

	4
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(a)	Describe what is meant by physical wellbeing.
	[2]
(b)	State three different strategies for managing physical wellbeing.
	1
	2
	3 [3

- 2 Emma is 15 years old. She used to enjoy playing football and spending time with her friends, but lately she has made excuses not to do these things and spends time on her own in her room instead. She has started to become argumentative with her teachers and parents. Her parents have suggested she talks to a doctor but she does not want to.
- (a) Which letter (A-D) shows where Emma is on the mental health dual continuum below?



Tick (✓	() one box.	
Α		
В		
С		
D		

[1]

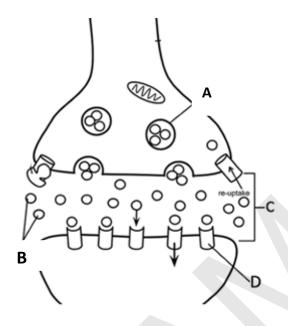
Explain your answer to question	on 2(a).	
		[3
Emma is worried that she is a Tick (✓) one box.	burden to her family. What type of stigma is this?	
Institutional stigma		
Professional stigma		
Public stigma		
Self stigma		[1]

1	d١	State two	of the	criteria	Jahoda	used to	understand	an in	dividual's	mental	health
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4	
1	

3

(a) The diagram shows a synapse.



Complete the table to label the parts of the synapse shown as **A-D** on the diagram.

Letter	Part of synapse
A	
В	
С	
D	

[4]

Describe the pr					
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	elective Serotonir	n Reuptake Inl	nibitors (SSRI)	antidepressa	ants affe

[4]

4	State two functions of the hippocampus
	1
	2[2]
_	
5	Heidi is competing in a sporting event. She feels a mixture of nervousness and excitement about it.
	Explain two ways the stress response can help Heidi's performance in the sporting event.
	1
	2
	[4]

6

Analyse how social influences can affect mental health and wellbeing.
[6]

7	Amos was involved in a serious accident three months ago. He has become nervous and is easily startled by loud noises and sudden movements. He has trouble sleeping and has nightmares and flashbacks of his accident. He does not want to go back to the area where the accident happened.
	Which of these common mental disorders is most likely to be affecting Amos?

lick (✓) one box.	
Depression	
Generalised anxiety disorder	
Obsessive compulsive disorder	
Post-traumatic stress disorder	

[1]

8	Azmi's long-term partner ended their relationship one year ago. Azmi would like a new relationship but is worried that he is not good enough for anyone. He feels like there is no point looking for a new partner anymore as no one will find him attractive. He used to go out with his friends regularly and often went to the cinema and to parties. His friends still invite him to go out with them but he stays at home on his own instead. He is finding it increasingly difficult to concentrate at work and is having trouble sleeping.		
	Use the cognitive triangle to explain Azmi's situation.		
	[6]		

9 Kareem had a job interview and did not get the job. He is worried it is because he upset the interviewer with the way he answered the interview questions. He is also worried that he will never get a job and so won't ever be able to support himself financially.

Identify **two** types of negative thought pattern that Kareem is showing and describe how he is showing them.

Type of negative thought pattern	How Kareem is showing this
mought pattern	
1	
2	

[4]

10 Sam is a 17-year-old college student. When he goes to bed, he often spends 3-4

gets around 6 hours sleep per night.

hours looking at videos and social media on his phone before he goes to sleep. He

(a)	Explain two ways that Sam's sleep habits could be said to be unhealthy.	
	1	
	2	
		[4]
(b)	State three ways Sam's sleep habits could be affecting his mental health and wellbeing.	
	1	
	2	
	3	[3]

(c) State three practical approaches that Sam could use to improve his sleep habits.

1	
2	
3	[3]



11 Discuss how useful the **biomedical model of mental health** is for understanding mental health and mental health disorders.

In your answer you **must** write about:

- The strengths of the model
- The limitations of the model

•	How useful the model is for understanding mental health and mental health
	disorders and your reasons why.

	•
	•
	•
	•
	•
	•
[9]
	-

12	Explain how doing an activity mindfully can improve mental health and wellbeing.		
	[4]		

END OF QUESTION PAPER

This is sample assessment material for our specification. It is to help show how the live assessment materials will look. During the lifetime of the qualification you might see small adjustments to the assessment materials. This is part of continuous improvement, designed to help you and your students. We recommend you look at the most recent set of past papers where available.



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Level 3 Alternative Academic Qualification Cambridge Advanced Nationals in Mental Health: Individuals and Society

Unit F400: Fundamentals of Mental health and the individual

Sample Assessment Material (SAM)

Mark scheme

This document has 11 pages.

Marking instructions

Crossed-out answers

If a student has crossed out an answer and written a clear alternative, do **not** mark the crossed-out answer.

If a student has crossed out an answer and **not** written a clear alternative, give the student the benefit of the doubt and mark the crossed-out answer if it's readable.

Multiple choice question answers

When a multiple choice question has only one correct answer and a student has written two or more answers (even if one of these answers is correct), you should **not** award a mark.

When a student writes more than one answer

1. Questions that ask for a set number (including 1) of short answers or points

If a question asks for a set number of short answers or points (e.g. **two** reasons for something), mark only the **first set number** of answers/points.

First mark the answers/points against any printed numbers on the answer lines, marking the **first** answer/point written against each printed number. **Then**, if students have not followed the printed numbers, mark the answers/points from left to right on each line and **then** line by line until the set number of answers/points have been marked. Do **not** mark the remaining answers/points.

2. Questions that ask for a single developed answer

If a student has written two or more answers to a question that only requires a single (developed) answer, and has **not** crossed out unintended answers, mark only the first answer.

3. Contradictory answers in points-based questions

When a student has written contradictory answers, do **not** award any marks, even if one of the answers is correct.

Levels of Response marking

1. To determine the level start at the highest level and work down until you reach the level that best describes the answer

2. To determine the mark within the level, consider the following:

Quality of the answer	Award mark
Consistently meets the criteria for this level	At the top of the level (6 and 9 mark questions)
Meets the criteria but with some inconsistency	At the middle of the level (9 mark questions)
On the borderline of this level and the one below	At the bottom of the level (6 and 9 mark
Off the poldernine of this level and the one below	questions)

ANNOTATIONS

Annotation	Meaning
✓	Correct response
×	Incorrect response
+	Positive
	Negative
LI	Level 1
L2	Level 2
L3	Level 3
^	Omission mark
BOD	Benefit of doubt given (this annotation counts as a mark so do not tick as well)
CON	Contradiction
REP	Repeat
TV	Too vague
SEEN	Noted but no credit given

MARK SCHEME

1a	
Max mark	2 (PO1)
Answer	 Physical wellbeing refers to the state of your body's health and fitness. (1) This allows us to maintain a healthy quality of life / get the most out of our daily activities without undue fatigue or physical stress (1). Credit any other appropriate answer.
Guidance	1 mark for each correct point.

1b	
Max mark	3 (PO1)
Answer	Any three from: Develop good sleep habits Maintain good sleep hygiene Get sufficient sleep Maintain a healthy lifestyle Eat healthily Exercise regularly Avoid negative coping strategies Avoid comfort eating Avoid substance misuse Credit any other appropriate answer.
Guidance	One mark for each correct answer. Must be three different strategies, i.e. not three approaches from the same strategy such as three examples of regular exercise.

2a	
Max mark	1 (PO2)
Answer	D
Guidance	Correct answer only

2b	
Max mark	3 (PO2)
Answer	 One mark for each valid point Emma is on the right of the quadrant because she has no diagnosed mental health disorder at the moment (1) Emma is showing signs of low mental health and wellbeing (1) She has lost interest in her hobbies and is argumentative (1) Credit any other appropriate answer.
Guidance	Students must relate their answers to the scenario.

2c		
Max mark	1 (PO1)	
Answer	Self stigma	
Guidance	Correct answer only.	

2d	
Max mark	2 (PO1)
Answer	Any two from: Positive view of the self Capability for growth and development (self-actualisation) Autonomy and independence Accurate perception of reality Positive friendships and relationships Environmental mastery
Guidance	One mark for each correct answer. Accept variations of Jahoda's criteria as long as they are appropriate.

3a	
Max mark	4
Wax mark	(PO1)
	A: Vesicle
Anguror	B: Neurotransmitter
Answer	C: Synaptic gap/cleft
	D: Receptor
Guidance	One mark for each correct answer.
	No other answers are acceptable.

3b	
Max mark	4 (PO1)
	A neuron sends an electrical message (action potential) down its axon. (1) At the end of the axon (presynaptic terminal), neurotransmitters are released
	into the synapse. (1)
Answer	Neurotransmitters bind to receptors on the receiving neuron (postsynaptic neuron). (1)
	Depending on the neurotransmitter and receptor, the receiving neuron may become excited or inhibited, influencing whether it sends its own electrical message. (1)
	Credit any other appropriate response
Guidance	One mark for each correct point made. Three marks max if process is not in the correct order.

3c	
Max mark	4 (PO1)
Answer	Selective Serotonin Reuptake Inhibitors (SSRIs): SSRIs inhibit the reuptake of serotonin (1) by blocking the channel between the synapse and the pre-synaptic neuron (1). Serotonin concentrates in the synaptic gap/cleft (1). This leads to enhanced serotonin transmission by binding to the receptors more frequently (1).
Guidance	One mark for each correct point made.

4	
Max mark	2 (PO1)
Answer	 Long term memory formation Memory retrieval Credit any other appropriate response
Guidance	One mark for each correct answer. Accept: • Spatial navigation Do not accept: • Memory

5	
Max mark	4 (PO2)
Answer	 Up to two marks for each explanation: One mark for identifying the feature of the stress response. One mark for explaining how this helps sporting performance. Adrenaline is released as part of the stress response (1). Adrenaline boosts alertness and focus in the short term and could enhance concentration levels / reaction time (1) Cortisol is released as part of the stress response (1). Cortisol helps to mobilise energy stores to fuel muscles (1).
	Credit any other appropriate response
Guidance	Students must link the response to the situation in the scenario.

6	
Max mark	6 (PO3)
Answer	Social Influences: Family Circumstances: Family dynamics, including relationships with parents or carers, siblings, and other relatives, can significantly impact mental health. Dysfunctional family environments, conflict, abuse, or neglect can contribute to feelings of stress, anxiety, and low self-esteem. Societal Expectations: Societal norms and expectations regarding gender roles, appearance, success, and achievement can create pressure and stress for individuals. Trying to meet or conform to these expectations can lead to feelings of inadequacy, anxiety, and depression. Support Networks: Having strong support networks, including friends, peers, and community connections, is essential for mental well-being. Supportive relationships provide emotional validation, encouragement, and practical assistance during challenging times. Conversely, lacking supportive relationships can increase feelings of loneliness and isolation, contributing to poor mental health outcomes. Credit any other appropriate response
Guidance	Level 3 (high) 5-6 marks A thorough analysis, which includes: • identification of a range of influences • detailed knowledge and understanding of social influences • clear explanation • consistent use of appropriate subject terminology.

Level 2 (mid) 3-4 marks An adequate analysis which includes: • identification of some influences • sound knowledge and understanding of social influences • adequate explanation • some use of appropriate subject terminology.
Level 1 (low) 1-2 marks A basic analysis which includes: • identification of at least one influence • limited knowledge and understanding of social influences. • basic explanation • use of appropriate subject terminology is limited.
0 marks Answer is not worthy of credit

7		
Max mark	1 (PO2)	
Answer	Post-traumatic stress disorder	
Guidance	Correct answer only.	

8	
Max mark	6 (PO2)
Answer	One mark for each part of the triangle (thoughts, emotions, behaviours) One mark for identifying each part of the triangle. One mark for explaining how it relates to Azmi's situation. For example: Azmi is having negative thoughts about himself (1) by thinking he is not good enough for anyone/is unattractive (1). The negative thoughts are causing Azmi to have negative emotions (1): he feels worthless/there is no point in looking for a new partner (1). This is impacting on Azmi's behaviour (1) and he is avoiding social situations. This is reducing his chances of meeting new people and reinforcing his negative thoughts and feelings (1). Credit any other appropriate response.
Guidance	Students must include the concepts of Azmi's thoughts, emotions/feelings and behaviours.

9	
Max mark	4 (PO2)
Answer	One mark for each correctly identified negative thought pattern. One mark for each valid description. Type of negative thought pattern How Kareem is showing this thought pattern 1 Personalisation He thinks it's his fault that he didn't get the job.
	2 Catastrophising He thinks that he will never be able to get a job/support himself.
Guidance	Accept other valid negative thought patterns if they are justified and relate to the scenario.

10a	
Max mark	4 (PO2)
Answer	 Up to two marks for each explanation. One mark for identifying an unhealthy sleep habit. One mark for explaining why it is unhealthy. Sam isn't getting enough sleep (1). The recommended sleep duration for teenagers is 8-10 hours per night (1). Sam is looking at his phone before he goes to bed. This can make it hard to fall asleep because the brain is stimulated and in a state of alertness or arousal (1) as it is thought that blue light can disrupt the sleep cycle (1).
Guidance	Up to two marks for each valid explanation. Maximum two explanations. Do not accept: Sam is only sleeping for around 6 hours Sam is looking at his phone before he goes to bed.

10b	
Max mark	3 (PO1)
Answer	 One mark for each valid answer. More likely to feel anxious or depressed More likely to feel lonely or isolated as he may not have the energy to see people May struggle to concentrate, make plans or decisions May make mental health problems worse Credit any other appropriate response.
Guidance	
10c	
Max mark	3 (PO1)
Answer	 One mark for each valid practical approach. Try to establish a healthier bedtime routine Relax before he tries to sleep Read a book instead of looking at his phone Switch off his phone/keep it in a different room Fill in a sleep diary Make sleeping area more comfortable Credit any other appropriate response
Guidance	Do not accept: General answers such as to get more sleep

11	
Max mark	9
	(PO3)
Levels of Response	Level 3 (high) 7-9 marks
	A thorough discussion which shows detailed evaluation, which includes:
	a range of points from both sides of the argument
	 a detailed analysis in the context of the question
	 a clear conclusion(s) with detailed reasons/justifications
	consistent use of appropriate subject terminology.
	Level 2 (mid) 4-6 marks
	An adequate discussion which shows sound evaluation, which includes:
	some points from both sides of the argument
	some analysis in the context of the question
	 an adequate conclusion(s) with relevant reasons/justifications
	some use of appropriate subject terminology.
	Level 1 (low) 1-3 marks
	A basic discussion which shows limited evaluation, which includes:
	a few points from the argument
	a limited analysis in the context of the question
	 a brief conclusion(s) with limited reasons/justifications
	use of appropriate subject terminology is limited .
	0 marks
	Answer is not worthy of credit.

Indicative content

Answers can include some of the following:

• The biomedical model looks at, for example, a person's genes, brain chemicals, and the structure of their brain to understand mental health.

The strengths of the model

- It's based on science, using research and evidence to understand mental disorders.
- Medications developed through this model can help manage symptoms effectively.
- By treating mental health issues as medical issues, it reduces the stigma around them.

The limitations of the model

- It oversimplifies mental health by ignoring other important factors like environment and personal experiences.
- Not everyone responds well to medications, and they might not address the root causes of mental health issues.

It doesn't consider how things like culture or upbringing affect mental health.
Students might conclude that the model is useful but does not fully explain mental health and mental health disorders because it only takes biological causes into account. There may be other factors that contribute that aren't included in the model.
Students might make reference to other models to illustrate that the biomedical model does not fully explain mental health and mental health disorders.
Credit other relevant conclusions, points and examples.

12	
Max mark	4 (PO1)
Answer	 One mark for each valid point It helps shift your body's balance away from the stress-induced sympathetic responses (1) It shifts towards the calming parasympathetic responses (1) It leads to a decrease in heart rate (1) It leads to a lowering of blood pressure (1) It leads to a reduction in stress hormone levels (1) It can help alleviate symptoms of anxiety and stress (1) Credit any other appropriate response
Guidance	