AQA A Level Psychology Topic Assessments

Strss

(Edit on 1)



- ess and Illness
- Life Changes and Daily Hassles
- Workplace Stress
- Measuring Stress
- Individual Differences
- Drug Therapy, Stress Inoculation and Biofeedback
- Managing and Coping with Stress







AQA A Level Psychology

The Physiology of Stress

1	2	3	4	5	6	Total
/1	/1	/3	/4	/3	/3	/15

Nam	e:	Class:	>
1	Whi	ch one of these statements regarding the hypothalamic-pituitary-adren.	is Je?
	Α	It is the body's response to long-term chronic stre	
	В	It is responsible for the release of cortisol from the actual cortex.	
	C	It is the response of the autonomic nervou	
	D	It takes longer to activate than the symmetom ry path.	
			(1 mark)
2	Whi	ch one of the following statemen out the cof cortisol is false?	
_	Α	It affects the metabolism of gluc seconder to over the stress response.	
	В	It suppresses the immune system.	
	C	It increases sensitiving ain.	
	D	It impairs cognitive per rman	
			(1 mark)
3	Outl	ine the sympthome by pathw.	
J	Outi	me the symposium.	(3 marks)
			,

Elaine lost her job 6 months ago, which was a very stressful experience. When she first found out she was really angry, her heart was beating very fast and she was sweating and shaking. After a while though she started to calm down and started to look for other jobs. However, recently Elaine has begun to feel really depressed and tired. Her blood pressure is also very high.



4	Use your knowledge of the General Adaptation Syndrome to explain Elaine's experier following the loss of her job.				
		(4 marks)			
5	Explain one strength of the General Adaptation , ndron	(4 marks)			
6	Explanation of the General Adaptation Syndrome.	(4 marks)			



AQA A Level Psychology

Stress and Illness

1	2	3	4	5		Total
/2	/2	/3	/4	/4		/15

Name:		Class:						
1	\//hich	n two of the following statements about the role of stress in illness are e?						
'	A	Cortisol inhibits production of lymphocytes.						
	В	Lower levels of B cells in the immune system means t antigens will not be recognised and destroyed.						
	С	Increased heart rate leads to lowered by a pressu increased increa						
	D	Stress can influence lifestyle behaviours and stress and drinking) which can also affect the functioning of the in a system.	so \Box					
	E	Some studies have shown that nod so so can be immunoenhancing effects.						
2	In the	e context of the role of sees in the sess, siefly explain what is meant by immunosup	(2 marks) opression. (2 marks)					
3	Outlin	ne the role of stress in the development of cardiovascular disorders.	(3 marks)					

	tutor2
Eric has just finished his final exams at university. He found this to be a very stree of time as his	S
mother was also seriously ill. Eric was really looking forward to going on holic after his sam has now caught a bad cold and has a cold sore on his lip.	s, but
4 Use your knowledge of the role of stress in illness to explain Eric's experience (4)	4 marks)
5 Evaluate research to both cole or suess in illness.	4 marks)



AQA A Level Psychology

The Physiology of Stress

1	Which	n one of these statements regarding the hypothalamic-pituitary-adrenal system is ti	rue?
	Α	It is the body's response to long-term chronic stress.	
	В	It is responsible for the release of cortisol from the adrenal cortex.	
	С	It is the response of the autonomic nervous system.	
	D	It takes longer to activate than the sympathomedullary pathway	
			(1 mark)
		is question: AO1 = 1 wer = C	
2	Which	n one of the following statements about the ole of artison false?	
	Α	It affects the metabolism of glucose in der to poor the structure.	
	В	It suppresses the immune system.	
	С	It increases sensitivity to pain.	
	D	It impairs cognitive performanc	
			(1 mark)
		is question: AO1 = 1 ver = C	



3 Outline the sympathomedullary pathway.

(3 marks)

Marks for this question: AO1 = 3

LEVEL	MARKS	DESCRIPTION
2	2	Outline of the sympathomedullary pathway is clear, coherent and mostly
٥	accurate. Specialist terminology is used effectively.	accurate. Specialist terminology is used effectively.
		Outline of the sympathomedullary pathway is approprime out the answer has
2	2	some inaccuracies or lacks clarity. Specialist terminoly y is sometimes used
		effectively.
1	1	Outline of the sympathomedullary pathway is limited/ve inted. Specific
	I	terminology is either absent or inappropriately used.
	0	No relevant content.

POSSIBLE CONTENT:

- This is the body's immediate response to an acute dessor a list also led be 'fight or flight response'.
- When something is **perceived** as a stressor or **th**, the **ygdala** is activated which sends a distress signal to the **hypothalamus**, which an activate the **sympathetic** medullary pathway (SAM pathway).
- This activates the adrenal medulla, which recases drenaling and **noradrenaline** into the blood stream
- Adrenaline triggers **physiologic** that with the body (e.g. **increased** heart rate, increased breathing rate, increased **blood** province) we eate the physiological arousal needed to either stand your ground stright or run avevery quickly (flight).

Credit other relevant info nation



Elaine lost her job 6 months ago, which was a very stressful experience. When she first found out she was really angry, her heart was beating very fast and she was sweating and shaking. After a while though she started to calm down and started to look for other jobs. However, recently Elaine has begun to feel really depressed and tired. Her blood pressure is also very high.

4 Use your knowledge of the General Adaptation Syndrome to explain Elaine's experiences following the loss of her job.

(4 marks)

Marks for this question: AO2 = 4

LEVEL	MARKS	DESCRIPTION
2	3 - 4	Knowledge of the General Adaptation Syndrome is mostly contracted. The knowledge is applied appropriately explain Elaine's expenses. The answer is generally coherent with effective of terminology.
1	1-2	There is limited/partial knowlede. Gene Adaptatic syndrome. There is some appropriate applicatic. The ancer may be derence. The use of specialist terminology is expressed to pappropriate.
	0	No relevant content.

POSSIBLE APPLICATION (AND SELECTION) (FVAN) **\TERIAL**:

- The first stage of the General Adaptation Sydrom (GAS) he alarm stage and this was had ther job. The sympathomedullary (SAM) experienced by Elaine when stand out si r flight. This is why her heart was beating very fast pathway was activated to prepare fight and she was sweating and shaking
- The second stage is resistance standard this is where the body tries to adapt to the stressful started to calm down and began looking for other jobs. environmental dem ds. · when Ela coping, her stress hormones (e.g. cortisol) would still have However, although slappea been being produced e aguantities.
- The that stage is the expression stage, which is where the resources needed to reduce stress have me drained the support of fight or flight reappear. Elaine is very tired and depressed pod pressure is very high (symptom of fight or flight).

Credit other relevant in mation. 5 Explain one strength of the General Adaptation Syndrome.

(4 marks)

Marks for this question: AO3 = 3 marks

3 marks for a fully elaborated strength that is clear and coherent (e.g. One strength of the GAS is that there is evidence to support its assumptions. For example, Selye (1936) subjected rats to various stressors including extreme cold, excessive muscular exercise and surgical injury. He found the they went through the same pattern of responses, regardless of the stressor. Therefore, the results a selye's research support his theory that there is a non-specific response of the body to any depend made apon it).

Or

2 marks for a reasonably elaborated strength (e.g. One strength of the GAS is to the elaborated strength (e.g. One strength of the GAS is to the elaborated strength (e.g. One strength of the GAS is to the elaborated strength of the GAS is to the elaborated strength of the GAS is to the

Or

1 mark for a briefly stated strength (e.g. One strength of the Gran's that the relief of the support it as studies of rats showed they went through the stage to gardless the stress.

Or

0 marks for an answer which includes nothing of relevance

POSSIBLE STRENGTHS:

- Evidence to support the assumptions of the AS. example, Selye (1936) subjecting rats to various stressors including extreme consessive me cular excise and surgical injury. He found that they went through the same pattern. Yespenses, mardless of the stressor.
- Selye's GAS model was able to change the that bacteria is the only cause for illness, by showing that stress wens the immed system which increases susceptibility to illness.

Credit other relevant streaths



6 Explain one limitation of the General Adaptation Syndrome.

(4 marks)

Marks for this question: AO3 = 3 marks

3 marks for a fully elaborated limitation that is clear and coherent (e.g. One limitation is that the GAS does not take into account psychological factors that influence the stress response. For example, research has found that personality has an influence, with those who have a hardy sonality seeming to thrive in stressful circumstances, while those who have a type A personality so at to be more prone CHD. These individual differences contradict the idea of a non-specific responsition to stress

Or

2 marks for a reasonably elaborated limitation (e.g. One limitation is that the GA s not take account psychological factors that influence the stress response. For example, research h has shown that people with certain personality types are more of less resistant to stress, challenging to being a non-specific response).

Or

1 mark for a briefly stated limitation (e.g. One limitation GAS c into account that not psychological factors that influence the stress response

Or

0 marks for an answer which includes nothing

POSSIBLE LIMITATIONS:

- Evidence to challenge the assumptions of the GAS are example, Mason (1971) replicated Selye's research using monkeys and lifferent s refound that the levels of cortisol in the essors. monkey's urine varied depending This challenges Selye's theory that the stress response is non-specific.
- The GAS proposes resources because depleted so that the body can no longer fight infections. However, more rece by Sherical and Radmacher (1992) has shown that many 'resources' pteins, etc.) do not become depleted even under extreme (sugars, neurotransm. ers, ho stress. It is now believe the exhaustion phase is associated with increased hormone activity, such as cortise and it is this ratio (than depletion of resources that leads to stress-related illness.
- Seles GAS model was band on studies of animals. Therefore, it may not be appropriate to to hamans who may respond to stress differently.
- The nodoes not t e into account psychological factors that are involved in the ways that people respond to stress. Feexample, personality or gender.

Credit other relevant limitations.



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