

TASK 6 YEAR 12 ATAR PSYCHOLOGY UNIT 4 RESPONSE TEST

Name:	Soleil	Oost	

Syllabus points

- Applications of Psychology to Health: stress as defined by Selye (1936), models of stress, health related consequences of stress – maladaptive and adaptive coping strategies
- Science Inquiry: Ethical guidelines and practices for psychological research, Formulating research, Methodology, Processing and analysing data.

Conditions

Reading time: 5 minutesWorking time: 50 minutes

Task Weighting

8% total weighting

Structure of this paper

Section	Number of questions available	Number of questions to be attempted	Suggested working time (minutes)	Marks	Score
Section One: Short Answer	2	2	35	33	
Section Two: Extended Response	1	1	15	16	
			Total	49	

Section One: Short Answer Response

(33 Marks)

This section has two questions. Write your answers in the spaces provided. Suggested working time: 35 minutes.

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Question One	(42 marks)
The state of the s	(13 marks)

Mrs Lee and her Psychology class wanted to test their theory that different types of meditation techniques would improve stress levels before exams. The class collected participants from their own school; Year 7's, Year 9's, Year 11's, and Year 12's. The participants were aged between 11 and 18 years old and were randomly allocated into three groups. Group 1 practices mindfulness once a day and group 2 practice Mantra meditation once a day (a practice that involves repeating a word, phrase, or sound to bring about mental focus and clarity). Group 3 practiced no meditation beyond their normal daily routine. At the end of a two-month trial, a week before the exam period, all the participants completed a stress test.

The following results were collected:

	Mean Score on Stress Test (out of 100)
Group 1: Mindfulness	57
Group 2: Mantra Meditation	65
Group 3: No Meditation	79

A statistical test on the difference between the effect of practicing meditation verses no meditation on stress found that p = 0.47

a)	Suggest a directional hypothesis that the class would have developed for this study.
	11 18 hypothesised that Students at the School from
	ages 11-18 who proictice mindfulness once a day
	Will score lower on the stress test before the excum
	than the students who practice mantra meditation
	or no meditation.

envi Cult Social Psychological

b)	Identify two possible sources of error in the conduction of this experiment. (2 marks)
	The difference in year/age is an tracontrotted Variable
	as year 73 tests are considerably less stressful/easy
	than year 128, Secondly the Stress test used only
	Collects quantitative data and 18 Subjective.
	Stress could arise from other factors not measured.
c)	Define stress as defined by Selye (1936) (2 marks)
	the non specific response of the body to any
	demand (physiological or psycological)
d)	Outline what type/nature of stressor that being stressed about the upcoming exam is categorised by.
	(2 marks)
	psychological - the student own thoughts and
	perceptions influence how stressed they feel about
	ene test.
۵۱	
e)	Name the type of stress these students are experiencing due to exam preparation and outline what this means. (3 marks)
	distress - Stress that is negative often accompanied by
	regative emotions. distress cerises from when the
	Stressor usnt beneficial.
	•

Hugh recently graduated University and was travelling to his first big job interview. Along the way he noticed his car tire had started to go flat and needed replacing. Hugh was panicked and felt instantly stressed about making it on time for the job interview. Luckily a repair shop was close by, and he managed to get it replaced almost instantly.

a) Describe the duration of the stressor.

(1 mark)

acute

b) Identify the stage of stress Hugh was in when realising he had a flat tire and outline the characteristics of this stage.

(4 mark)

Hinch was in when realising he had a flat tire and outline the characteristics of this stage.

High was in the alarm stage of the GAS model.

In this stage the initial response to the stressor

Occurs. The amygdown & starts the bodies fight

BI flight response triggering glands to release stress

hormones such as costisol, adrenative and novoldrenative.

heart rate, breathing and blood pressure increase.

Hugh unfortunately did not get offered the job position, and it is now 3 months later, and he has failed to secure another interview opportunity. His financial situation has been a serious stressor of his for these past few months.

Explain what may happen if High is unbale to resolve the stress, including both short-term and long-term impacts.

Hugh Is Now in the exhaustion stage. In this stage

the prolonged release of stress hormones weather

the unmane system and the bodies homeostasis.

Short term effects of this include low motivation

and sleep deprivation. Long term effects are

Increased likely hood to develop health usues

Such as amxiety depression, heart attacks,

diabetes and strokes.

Due to the prolonged stress, Hugh decides to visit a psychologist, seeking help and support in managing his stress. The psychologist decides to assess Hugh's vulnerability to stress through The Social Readjustment Scale, developed by Homes and Rahe (1967).

d) Name the type of self-report measure used in the Social Readjustment Scale. (

(1 mark)

Survey

e) Outline one strength and one limitation of this measurement tool.

(2 marks)

Strength-The data can be measured and statistically any lised.

weakness - The double is subjective and could be explanation

 f) Using Lazarus and Folkman's (1984) theory, outline the role of the following cognitive appraisals and apply them to Hugh. (4 mark)

Primary: The unitial evaluation of the Stressor, for high this would be deciding wether his unemployment was clangerous / imedening or not.

Secondary: Cuchuachion of Coping Strategies and deciding how to deal with the stress. Hugh decided his unemployment was troubling and in Secondary appraisal he chose to see a psychologist.

Explain the method of coping Hugh is using in the scenario.

Emchance Caping Method. Little Chosc to seek emotional

Support from others (the psydo(osist) to help him

Manage the Bress. Emotional coping is often chosen by

Undividuals who feel they don't have the recourses to

deal with the Stressor Uself.

Section Two: Extended Response

(16 Marks)

This section has **one** question. Write your answers in the spaces provided.

Suggested working time: 15 minutes.

Question three (16 marks)

Psychology students at Harvard University investigated the relationship between occupational stress and depressive symptoms among coal miners. The participants were 364 coal miners from Ohio, America. The study was approved by the internal review board of Harvard University.

A total stress index score was calculated for each miner to measure the level of stress they experience as part of their occupation. The Centre for Epidemiologic Studies Depression (CES-D) scale was used. It contains 20 item that are self-rated on a four-point Likert scale according to how often each symptom occurred in the past week. The sum of the scores represents the overall (CES-D) score between 0 to 60. A score of greater than 16 is considered indicative of depression. The scatterplot below shows the results for the study.

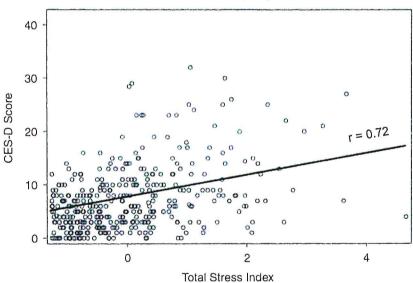


Figure 1: predicted mean CES-D score by miner's stress index

Notes: Adjusted for age, sex, race/ethnicity, alcohol intake and smoking status.

In a series of questionnaires used to gather qualitative data, the miner's reported threat of harm (intentional and unintentional), excessive work in hard conditions and a lack of support from supervisors as their three main stressors.

In your answer, refer to the above scenario by creating a well-constructed response, addressing the following:

- Outline what stress is according to Lazarus and Folkman (1984) and identify two types of stressors that the miner's experience in their work.
- The university's Internal Review Board is an example of an ethics committee. Describe the role
 of an ethics committee and outline two ethical guidelines that this committee would monitor
 during the study, stating how this would occur. (6 marks)
- Based on the data illustrated in Figure 1 on page 24, comment on the relationship between stress and depressive symptoms.
- Describe how psychological stress arises according to Lazarus and Folkman (1984) (2 marks)

Question number:
According to Laza as and folhman stress is
the mines experience environmental and psychological
shows in their occupation. The ethics comitee
involved in the Study one responsible for ensuring
the Study is ethical and that participans are
not harmed in eng way. During this Study the
committee would moniter and ensure that all
the participants had informed consent including
Written consent and were aware of what the
Study imodeed. The would also moniter to ensure
none of the minor came to any physiological or
Psychological harm. Based on lique 1
there is a strong Correlation & linking smss
and depressive symptoms. Many of the miners had
Scores exceeding 16 indicating dipression. According
to Layeurs and followan psychological spess arises
from.
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