

Ollscoil na hÉireann, Gaillimh  
NATIONAL UNIVERSITY OF IRELAND, GALWAY

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First Medical Year, Summer Examinations 1997-98

BO102 Human Biology (Psychology), Paper 3

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Dr Jane Hogan  
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*Time allowed: Three hours*

**Section A**

*Answer fifteen of the following short-answer questions (40% of marks).*

1. (a) Explain the influence of heredity in the context of the 'nature-nurture' debate.
- (b) List and describe four reflexive responses of the neonate.
- (c) What are the six stages in Bibac and Walsh's Model of Health and Illness?
- (d) Explain conditioned stimulus.
- (e) Define the term 'traits' as used in the study of personality.
- (f) What are the three fundamental features of perception?
- (g) List and explain four types of learning.
- (h) What are the three components of an attitude?
- (i) What is a defence mechanism?
- (j) Explain briefly how children represent knowledge in scripts and schemas (Nelson, 1986).
- (k) Describe three types of the error in the attributional process.
- (l) Give two reasons why conformity occurs?
- (m) List the four fundamental concepts in Freud's psychodynamic theory of personality.
- (n) Describe briefly Maslow's hierarchy of needs.
- (o) Describe three techniques used to increase compliance.
- (p) What does the term 'client-centred' therapy refer to?

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- (q) Describe briefly the nature of attitude change, referring to the persuasive process.
- (r) What is catatonic schizophrenia?
- (s) Define adolescence and list the three developmental tasks associated with this stage.
- (t) Describe briefly the difference between unipolar and bipolar depression.

## Section B

*Answer any three of the following essay questions (60% of marks).*

2. Write notes on three of the following:
  - (a) Attachment;
  - (b) Parent-child interaction;
  - (c) Eating disorders;
  - (d) Assimilation and accommodation;
  - (e) The relevance of psychology to health care.
3. Describe Piaget's stages of cognitive development and refer to their implications for health care professionals.
4. Critically evaluate Freud's contribution to our understanding of personality.
5. (a) Describe the two key stages of perception in humans, and  
 (b) Describe the four types of perceptual distortions that occur.
6. Give an account of the process of learning based on the principles of classical conditioning.
7. Write notes on two of the following:
  - (a) Disorders of thought form in schizophrenia;
  - (b) Paranoid schizophrenia;
  - (c) Bipolar disorder.
8. With reference to the Milgram studies (1963, 1974), describe factors contributing to blind obedience.