

Chapter 02:

AN INTEGRATIVE APPROACH TO PSYCHOPATHOLOGY

1. The best description of the multidimensional integrative approach to understanding psychopathology is that it is based on
 - a. biological dimensions.
 - b. biological and psychological dimensions.
 - c. biological and psychological dimensions, as well as emotional influences.
 - d. biological and psychological dimensions, as well as emotional and developmental influences.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Conceptual

2. Within the multidimensional integrative approach to understanding psychopathology, learnt helplessness is considered a(n) _____ dimension.
 - a. biological
 - b. psychological
 - c. emotional
 - d. physical

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Conceptual

3. The basis of the multidimensional integrative approach to understanding psychopathology is that each dimension (psychological, biological, emotional, etc.)
 - a. operates independently.
 - b. is sufficient to cause pathology.
 - c. builds on the dimension that precedes it.
 - d. is influenced by the other dimensions.

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Conceptual

4. Your uncle spent most of his teen years in a hospital undergoing treatment for a severe physical illness. As an adult, he is rather shy and withdrawn, particularly around women. He has been diagnosed with social phobia, which you believe is entirely due to the lack of socialisation during his teen years. Your theory or model of what caused his phobia is

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- a. multidimensional. b. integrative.
c. one-dimensional. d. biological.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Applied

5. According to the multidimensional integrative approach to psychopathology, the following statement is true for most psychological disorders:
- a. If one monozygotic twin has a particular disorder, the other twin will definitely have the disorder as well.
 - b. Monozygotic twins are no more likely to share psychological disorders than any other siblings.
 - c. Monozygotic twins are no more likely to share disorders than any other two people selected at random from the population.
 - d. If one monozygotic twin has a particular psychological disorder, the other twin is more likely to have the disorder than the rest of the population.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Conceptual

6. Amanda is 12 years old, and her sister Samantha is five years old. While riding in a car with their parents, the girls witness a major automobile accident where a number of people are injured. The girls react very differently to the accident. This is probably due to
- a. biological differences. b. developmental differences.
 - c. psychological differences d. sociocultural differences

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: One-Dimensional versus Multidimensional Models

OTHER: TYPE: Applied

7. The most accurate way to think of genes is that they
- a. set boundaries for our development.

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- b. determine both our physical and psychological characteristics.
- c. determine physical but not psychological characteristics.
- d. actually have very little to do with any of the characteristics that we display.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

8. Referring to behaviour and personality as polygenic means that both are
- a. influenced by only a few genes, but each has a large effect.
 - b. influenced by many genes, with each individual gene contributing a relatively small effect.
 - c. influenced by individual genes only rarely.
 - d. a result of our genetic structure only.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

9. The procedures referred to as quantitative genetics are used to
- a. determine the effects of multiple genes.
 - b. provide genetic counselling.
 - c. correct genetic abnormalities.
 - d. test the multidimensional integrative model.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

10. Most psychological disorders appear to be influenced by many individual genes rather than being caused by one single gene, a process referred to as _____ influence.
- a. multigenic b. polygenic
 - c. unigenic d. morphogenic

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ANSWER: b

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

11. Inga is a charming and intelligent young lady who is well liked by family and friends. Approximately _____ of Inga's enduring personality traits and cognitive abilities can be attributed to genetic influence.
- a. 25% b. 50%
c. 75% d. 100%

ANSWER: b

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Applied

12. The most recent estimates are that genetics contribute approximately _____ to the development of personality characteristics such as shyness or activity level.
- a. 10–20% b. 30–50%
c. 75–85% d. nothing

ANSWER: b

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

13. According to recent estimates, genetic contributions to the development of most psychological disorders are
- a. below 50%.
b. above 50%.
c. different for each disorder (estimates range from 0–100%).
d. non-existent.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

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OTHER: TYPE: Factual

14. Recent evidence regarding the genetic influence on most psychological disorders has shown that
- a. single genes are usually responsible for psychological disorders.
 - b. genes that influence psychopathology are usually recessive.
 - c. there is no evidence that genes influence psychopathology.
 - d. multiple genes interact, with each gene contributing a small effect.

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

15. In the diathesis–stress model, ‘diathesis’ refers to
- a. an inherited disorder.
 - b. conditions in the environment that can trigger a disorder depending upon how severe the stressors are.
 - c. an inherited tendency or condition that makes a person susceptible to developing a disorder.
 - d. the inheritance of multiple disorders.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

16. In the diathesis–stress model, ‘stress’ refers to
- a. life events, in combination with an inherited tendency, that trigger a disorder.
 - b. inherited tendencies, in combination with life events, that trigger a disorder.
 - c. defective genes.
 - d. exposure to very unusual and extreme environmental conditions.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

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17. According to the diathesis–stress model, psychopathology is the result of the
- interaction between normal and defective or damaged genes.
 - stress level of an individual and how stress is managed in a person's life.
 - family history of an individual.
 - interaction of an inherited tendency and events in a person's life.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

18. According to the diathesis–stress model, monozygotic twins raised in the same household will
- not necessarily have the same disorders because of potential differences in their diathesis.
 - have the same disorders because their diathesis and stress are exactly the same.
 - not necessarily have the same disorders because of potential differences in their stress.
 - have no more likelihood of sharing a disorder than any other two randomly selected individuals from the population.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

19. According to the diathesis–stress model,
- mental disorders will always develop given a certain level of stress.
 - once a diathesis for a particular disorder is inherited, the disorder will eventually develop.
 - an individual's inherited tendencies are not affected by stressful life events he or she encounters.
 - it is possible to inherit a diathesis and never develop a disorder.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

20. The model that describes the development of psychopathology as a combination of an inherited predisposition and the events that have occurred in the individual's life is called

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- a. diathesis–stress.
- b. genetic.
- c. bio-behavioural.
- d. psychoanalytic.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

21.

In a landmark study by Caspi *et al.* (2003), researchers studied the stressful life events and genetics of 847 individuals. For individuals who had at least four stressful life events, the risk of major depression

- a. remained unchanged regardless of genetic makeup.
- b. doubled if they possessed two short alleles of the gene being studied.
- c. was reduced by half if they possessed two short alleles of the gene being studied.
- d. was entirely related to the genetic makeup and not the number of life stressors.

ANSWER: b

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

22. The idea that our inherited tendencies influence the probability that we will encounter stressful life events is a characteristic of the

- a. diathesis–stress model.
- b. reciprocal gene–environment model.
- c. genetic model.
- d. psycho–social model.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

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23. John has inherited a personality trait that makes him more likely to keep to himself than to socialise. As a result, he does not have many friends and spends a lot of time alone. If John were to develop depression, the model that would probably best explain this situation and the cause of his depression is

- a. diathesis–stress.
- b. biological.
- c. reciprocal gene–environment.
- d. interpersonal.

ANSWER: c

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Applied

24. Some people may be genetically predisposed to seek out difficult relationships. These difficult relationships may contribute to their experience of depression. This is an example of the

- a. diathesis–stress model.
- b. reciprocal gene–environment model.
- c. genetic model.
- d. quantitative genetics model.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

25. Research studies using the procedure called ‘cross fostering’ have shown that genetically emotional and reactive young animals raised by calm mothers tended to be

- a. calm.
- b. emotional and reactive.
- c. calm but emotional and reactive when raising their own young.
- d. emotional and reactive but calm when raising their own young.

ANSWER: a

POINTS: 1

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REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

26. Cross-fostering studies indicate that the environmental effects of early parenting
- had no effect on any genetic contribution to be reactive to stress.
 - seem to override any genetic contribution to be reactive to stress.
 - had no effect on future generations in the expression of personality traits or temperament.
 - had random effects on any genetic contribution to be reactive to stress.

ANSWER: b

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

27. Looking at the findings of many cross-fostering studies (Francis et al., 1999, Suomi, 1999, Tienari *et al.*, 1994), it appears that positive interventions such as good parenting in early life may
- have little effect in terms of preventing psychopathology in those genetically predisposed to such conditions.
 - dramatically change the genetics of individuals genetically predisposed to psychopathology.
 - have a greater effect on future generations than on the individual exposed to the 'good parenting'.
 - override the genetically influenced tendency to develop psychopathology in later life.

ANSWER: d

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Conceptual

28. Some of the most recent research studies regarding genetic versus environmental causes of disorders in animals and humans have suggested
- genetic influences are greater than originally observed because positive environmental conditions do not prevent disorders.
 - genetics and the environment share equal roles in the development of all psychological disorders.
 - the relative contributions of genetics and the environment in the development of psychological disorders are different for lower animals than for humans.
 - genetic influences may have been oversimplified by previous studies (i.e. without sufficient environmental stress, the genetic predisposition may never be activated.)

ANSWER: d

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DIFFICULTY: Difficult

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

29. Recent research suggests that

- a. environmental manipulations early in life may do much to override the genetically induced tendency to develop undesirable behavioural activities.
- b. environmental manipulations early in life may do much to override the genetically induced tendency to develop undesirable emotional activities.
- c. an interaction between genes and environment plays an important role in every psychological disorder.
- d. all of these

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Genetic Contributions to Psychopathology

OTHER: TYPE: Factual

30. The central nervous system is made up of the

- a. brain and spinal cord.
- b. brain only.
- c. spinal cord only.
- d. nerves leading to and from the brain.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

31. The brain and the spinal cord comprise the

- a. peripheral nervous system.
- b. somatic nervous system.
- c. parasympathetic nervous system.
- d. central nervous system.

ANSWER: d

POINTS: 1

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REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

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32. The area between the axon of one neurone and the dendrite of another neurone is the
- a. axon terminal. b. soma.
 - c. synaptic cleft. d. transmission cleft.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

33. Which of the following statements is TRUE?
- a. Glial cells are passive cells that serve to connect and insulate neurones.
 - b. There are fewer glial cells than there are neurones.
 - c. There are different types of glial cells with several specific functions.
 - d. Glial cells slow down the process of neural communication.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

34. The synaptic cleft is the area between the
- a. soma of one neurone and the dendrite of another neurone.
 - b. axon of one neurone and the dendrite of another neurone.
 - c. axon of one neurone and the soma of another neurone.
 - d. somas of two neurones.

ANSWER: b

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

35. Neurotransmitters are important because they
- a. allow neurones to send signals to other neurones.
 - b. maintain the oxygenation of the brain.

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- c. prevent the development of psychopathology.
- d. allow the brain to maintain its structural integrity.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

36. The chemicals that allow the transmission of signals between neurones are called
- a. re-uptake inhibitors.
 - b. hormones.
 - c. neurotransmitters.
 - d. genes.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

37. GABA, dopamine and noradrenaline are all examples of
- a. electrical brain waves.
 - b. neurones.
 - c. neurotransmitters.
 - d. areas of the brain.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

38. Most automatic functions (e.g. breathing, sleeping and motor co-ordination) are controlled by the part of the brain called the
- a. brain stem.
 - b. forebrain.
 - c. cortex.
 - d. frontal lobes.

ANSWER: a

POINTS: 1

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REFERENCES: Neuroscience and Its Contributions to Psychopathology

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OTHER: TYPE: Factual

39. The part of the brain stem that regulates vital activities such as heartbeat, breathing and digestion is the
- a. cerebellum.
 - b. reticular activating system (RAS).
 - c. hindbrain.
 - d. thalamus.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

40. The _____ co-ordinates movement with sensory input and contains parts of the reticular activating system.
- a. hindbrain
 - b. midbrain
 - c. cerebral cortex
 - d. forebrain

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

41. Functions of the limbic system include control or regulation of
- a. basic body functions such as breathing.
 - b. sleep cycles.
 - c. emotional experiences, expressions, impulse control and basic drives such as aggression, sex, hunger and thirst.
 - d. body posture, co-ordinated movement and involuntary responses such as reflexes and other automatic processes.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

42. About 80% of the neurones contained in the central nervous system are located in the

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- a. cerebral cortex.
- b. brain stem.
- c. midbrain.
- d. basal ganglia.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

43. The ability to plan, think, reason and create is located in the part of the brain called the

- a. thalamus.
- b. midbrain.
- b. cerebral cortex.
- d. brain stem.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

44. Although the two halves of the cortex look alike structurally, the left hemisphere seems to be chiefly responsible for

- a. motor co-ordination.
- b. perceiving the world around us.
- c. creating images.
- d. verbal and other cognitive processes.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

45. For most people, verbal and cognitive processes are usually controlled by the

- a. left hemisphere of the cortex.
- b. right hemisphere of the cortex.
- c. entire cortex.
- d. midbrain.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

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OTHER: TYPE: Factual

46. For most people, perception and the creation of images are usually handled by the _____.

- a. left hemisphere of the cortex
- b. entire cortex
- c. midbrain
- d. right hemisphere of the cortex

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

47. The part(s) of the brain most associated with memory, thought and reasoning is(are) the

- a. occipital lobes
- b. brain stem
- c. left parietal lobe
- d. frontal lobes

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

48. The peripheral nervous system is made up of the

- a. endocrine system.
- b. brain stem and cortex.
- c. somatic and autonomic nervous system.
- d. brain and spinal cord.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

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49. The major function of the peripheral nervous system is to
- a. carry messages to and from the central nervous system.
 - b. process information received from the central nervous system.
 - c. regulate arousal.
 - d. control hormonal activity.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

50. The network of glands that releases chemical messengers directly into the bloodstream is called the
- a. autonomic nervous system.
 - b. somatic nervous system.
 - c. limbic system.
 - d. endocrine system.

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

NOTES: NEW

51. According to your text's discussion of how neurotransmitters such as serotonin work, the term 'biochemical imbalance' to describe the cause of disorders such as depression is probably
- a. an oversimplification.
 - b. about accurate.
 - c. completely incorrect.
 - d. a perfect description.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

52. Drugs that increase the activity of a neurotransmitter are called

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- a. agonists. b. antagonists.
c. enhancers. d. psychotropics.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

53. Drugs that decrease the activity of a neurotransmitter are called

- a. agonists. b. blockers.
c. reuptake inhibitors. d. antagonists.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

54. The neurotransmitter associated with the regulation of mood, behaviour and thought processes is

- a. GABA. b. noradrenaline.
c. serotonin. d. dopamine.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

55. Extremely low levels of GABA are associated with

- a. decreased anxiety. b. increased depression.
c. increased anxiety. d. decreased depression.

ANSWER: c

POINTS: 1

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56. Recent research and increased understanding about the role of neurotransmitters in psychopathology point out that
- a. each psychological disorder is caused by a deficit in a specific neurotransmitter.
 - b. chemical imbalances of the brain are the cause of psychopathology.
 - c. simple cause/effect conclusions stating that an individual neurotransmitter abnormality causes a disorder are incomplete.
 - d. neurotransmitters have very little to do with psychopathology for most individuals, but may be the single cause of disorders for others.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

57. Extremely low activity levels of serotonin are associated with
- a. aggression, suicide and impulsive behaviour.
 - b. schizophrenia.
 - c. anxiety disorders and general feelings of nervousness.
 - d. mania.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

58. The neurotransmitter thought to regulate or moderate certain behavioural tendencies rather than directly influencing specific patterns of behaviour or psychological disorders is
- a. noradrenaline.
 - b. GABA
 - c. dopamine.
 - d. serotonin.

ANSWER: a

POINTS: 1

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DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

59. The neurotransmitter associated with both schizophrenia and Parkinson's disease is

- a. GABA. b. noradrenaline.
- c. dopamine. d. serotonin.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

60. Extremely low levels of dopamine activity are associated with

- a. muscle rigidity, tremors and impaired judgement.
- b. schizophrenia.
- c. pleasure seeking.
- d. exploratory behaviours.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

61. In the 1992 studies conducted by Baxter *et al.*, OCD patients were provided with cognitive-behavioural therapy (exposure and response prevention) but no drugs. This study is important because brain imaging showed that

- a. the neurotransmitter circuits of the brain had been normalised.
- b. the patients' OCD symptoms improved without changes in neurotransmitter function.
- c. neither OCD symptoms nor neurotransmitter function had improved.
- d. neurotransmitter circuits are the direct and only cause of OCD.

ANSWER: a

POINTS: 1

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62. What is one of the conclusions generally drawn from the 1990s studies of OCD, brain imaging and cognitive-behavioural therapy by Baxter *et al.*, and the follow-up studies by Schwartz *et al.*?
- a. Neurotransmitters affect how people feel and act.
 - b. Drugs are the only way to impact faulty neurotransmitter circuits.
 - c. Neurotransmitters are a result of how people feel and act, not a cause.
 - d. Psychosocial factors such as therapy affect neurotransmitters.

ANSWER: d

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REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

63. In a recent study (Petrovic, Kalso, Peterson & Ingvar, 2002), subjects were exposed to a painful stimulus (heat to the hand) under three conditions: opiate medication, placebo (sugar pill) medication and no medication. Brain scans indicated that a subject's experience of reduced pain with the placebo is due to
- a. activation of brain regions identical to those activated by opiate medication.
 - b. activation of brain regions that are overlapping, but not identical, to those activated by opiate medication.
 - c. psychological expectation, since a placebo does not activate brain regions associated with pain control.
 - d. similarities in activated brain regions during the 'no medication' condition.

ANSWER: b

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REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

64. Cognitive-behaviour therapy facilitates changes in thinking patterns in the cortex, which in turn affects the emotional brain. This is called
- a. confabulation.
 - b. consolidation.
 - c. a 'top down' change.
 - d. a 'bottom up' change.

ANSWER: c

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NOTES: NEW

65. Drugs often seem to work in a manner by reaching higher areas of the cortex where thinking occurs last.

This is called

- a. consolidation.
- b. confabulation.
- c. 'top down' processing.
- d. 'bottom up' processing.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

66. Insel, Scanlan, Champoux and Soumi (1988) raised one group of rhesus monkeys with the ability to control things in their environment and another group of monkeys who had no control of their environment (e.g. when they would receive treats and toys). When injected with a drug that produces a feeling of severe anxiety, the monkeys

- a. who were raised with a sense of control appeared angry and aggressive, while the monkeys raised without a sense of control appeared very anxious.
- b. who were raised with a sense of control appeared anxious, while the monkeys raised without a sense of control appeared angry and aggressive.
- c. in both groups appeared anxious.
- d. in both groups appeared angry and aggressive.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

67. The significance of the study conducted by Insel, Scanlan, Champoux and Soumi (1988) in which rhesus monkeys were raised either with a sense of control or without one and later exposed to an anxiety-inducing drug is that chemicals such as neurotransmitters

- a. have very direct effects on behaviour.
- b. influence behaviour in different ways depending upon the psychological history of the individual.
- c. influence individuals in fairly direct and consistent ways regardless of the psychological history of the individual.
- d. have few reliable and consistent effects on observed behaviour.

ANSWER: b

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POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

68. The most recent research evidence suggests that the relationship between the brain (structure, function, neurotransmitters) and psychosocial factors (socialisation, rearing, life events) is best described as
- a system where our brains directly influence our behaviour and psychosocial factors but not the other way around.
 - an interaction where the brain affects our psychosocial factors and psychosocial factors impact our brain.
 - a system where our behaviour and psychosocial factors impact our brain but not the other way around.
 - far too complex to ever understand whether one system influences the other.

ANSWER: b

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

69. When comparing the brains of rats raised in a rich environment requiring lots of learning and motor behaviour with the brains of rats raised as 'couch potatoes' (Greenough *et al.*, 1990), the cerebellums of the more active rats
- contained more neuronal connections and dendrites.
 - contained fewer neuronal connections but more axons and dendrites.
 - were less likely to possess pathological neurotransmitter circuits.
 - were exactly the same as the inactive rats.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

70. Studies regarding rat learning and brain structure by Greenough *et al.* (1990) and Wallace *et al.* (1992) suggest that
- early experiences such as learning cause physical changes in the brain.
 - psychopathology is the result of early learning experiences.

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- c. while psychopathology is often a result of early life experiences, it is generally due to the physical changes in the brain that such experiences cause.
- d. genetically caused brain structure problems can be corrected by positive life experiences.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

71. One conclusion that can be drawn from the studies regarding rat learning and brain structure (Greenough *et al.*, 1990; Wallace *et al.*, 1992) is that
- a. early psychological experience affects the development of the nervous system and will absolutely determine whether or not the individual will develop a psychological disorder later in life.
 - b. early psychological experience does not result in physical changes to the nervous system but can still influence whether or not one develops a psychological disorder.
 - c. early psychological experience affects the development of the nervous system and influences vulnerability to psychological disorders later in life.
 - d. early psychological experience has little to do with brain structure or later development of psychopathology.

ANSWER: c

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

72. Regarding biological influences on the development of psychopathology, the most accurate statement is
- a. both genetics and life events play a part in the development of brain structure and function that can affect vulnerability to psychopathology.
 - b. life events can only cause changes in brain structure or function for those with genetic defects.
 - c. early life events play a much greater role in the development of brain structure or function than genetics.
 - d. vulnerability to psychopathology has little to do with the brain changes associated with genetics or early life events.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

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REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

73. When one examines the current state of knowledge regarding genetics and life experience effects on brain structure and function, the best overall conclusion is that most psychological disorders are
- a. the result of a complex interaction of genetics and faulty neurotransmitter circuits.
 - b. the result of stressful early life experiences and the negative effects such experiences have on brain structure or function.
 - c. the result of both biological and psychosocial factors.
 - d. beyond our current ability to understand in any meaningful way.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Conceptual

74. Recent research suggests that learning and experience
- a. only change the brain before birth.
 - b. change the brain through childhood.
 - c. change the brain through young adulthood.
 - d. change the brain at any age.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Neuroscience and Its Contributions to Psychopathology

OTHER: TYPE: Factual

75. Bullying studies in mice suggest that the functions of the mesolimbic system
- a. can be switched from avoidance to reinforcement.
 - b. can be switched from reinforcement to avoidance.
 - c. cannot be changed by experience.
 - d. can only be changed with drugs.

ANSWER: b

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Neuroscience and Its Contributions to Psychopathology

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OTHER: TYPE: Factual

76. Rescorla (1988) demonstrated that simply pairing two events closely in time
- demonstrates the simplicity of classical conditioning.
 - does not allow us to make predictions.
 - becomes more meaningful as the pairings continue.
 - is not what is important in this type of learning.

ANSWER: d

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Behavioural and Cognitive Science

OTHER: TYPE: Conceptual

77. Learnt helplessness is demonstrated in laboratory animals by
- creating aversive stimuli (such as electric shocks to the foot) that the animal can control.
 - creating aversive stimuli (such as electric shocks to the foot) that the animal cannot control.
 - creating pleasant stimuli (such as a food pellet) that the animal cannot control.
 - creating pleasant stimuli (such as a food pellet) that the animal can control.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Factual

78. Placing a rat in a cage where electric shocks over which the rat has no control are occasionally administered through the floor is a way to create
- social learning.
 - learnt helplessness.
 - unconscious learning.
 - negative neurotransmitter pathways.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Factual

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79. It is important to understand the process of how learnt helplessness is created in laboratory animals because learnt helplessness in animals resembles the human disorder of

- a. panic disorder.
- b. depression.
- c. mania.
- d. schizophrenia.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Factual

80. Candace believes that no matter how hard she studies, she will never succeed in college. This behaviour can best be explained by

- a. personality disorder.
- b. faulty neurotransmitter circuits.
- c. learnt helplessness.
- d. internal conflicts.

ANSWER: c

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Applied

81. Tshepo is 64 years old. Although continuously faced with considerable stress and difficulty in his life, he always displays an optimistic, upbeat attitude. According to research, Meno should

- a. probably live longer than those without such positive attitudes.
- b. live about the same length of time as those without such positive attitudes.
- c. be less likely to have heart disease than those without such positive attitudes
- d. be more likely to be involved with positive community activities than those without such positive attitudes.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Applied

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82. According to Seligman, if a person who is faced with considerable stress and difficulty in his/her life displays an optimistic, upbeat attitude, he/she is likely to function better psychologically and physically. He called this
- a. learnt optimism b. learnt helplessness.
 - c. learnt awareness. d. learnt predictability.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Conceptual

- 83.
- One important contribution of the work of Albert Bandura regarding modelling or observational learning is that
- a. much of our learnt behaviour depends upon our interactions with those around us.
 - b. our learnt behaviour has much more to do with the types of consequences (reinforcements and punishments) of our actions than our interactions with those around us.
 - c. it is impossible to learn behavioural patterns without observing those around us.
 - d. learning acquired through observation is much more resistant to extinction than behaviour acquired through classical or operant conditioning.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Conceptual

84. Raeesa learnt to fear snakes after seeing one for the first time at the zoo. However, it took many exposures to the sound of tapping dancing shoes before she learnt to fear that sound. The concept that would explain the fact that we learn to fear some objects more easily than others is

- a. prepared learning. b. learnt helplessness.
- c. observational learning. d. reciprocal determinism.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Applied

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85. The major difference between the modern cognitive science idea of the unconscious and Freud's view of the unconscious is that Freud saw the unconscious as _____, whereas modern cognitive science views it as _____.
- a. the function of the id; the result of multiple neuronal pathways interacting with the stimuli presented to the individual
 - b. a seething caldron of emotional conflicts; neuronal pathways interacting with the stimuli presented to the individual
 - c. the function of the superego; the ability to process, store and act upon information without awareness
 - d. a seething caldron of emotional conflicts; the ability to process, store and act upon information without awareness

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Conceptual

86. According to modern cognitive science, the unconscious
- a. clearly exists in much the same way that Freud imagined.
 - b. may or may not exist, as it is impossible to study material that we are not aware of.
 - c. clearly does not exist.
 - d. clearly exists but in a very different way than Freud imagined.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Conceptual

87. In the Stroop colour naming paradigm, a patient with a blood phobia would be expected to name the colour of the printed word 'wound'
- a. more quickly than a neutral word.
 - b. in about the same time it takes to name the colour of a neutral word.
 - c. more slowly than a neutral word.
 - d. with a great deal of difficulty or not at all.

ANSWER: c

POINTS: 1

DIFFICULTY: Difficult

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REFERENCES: Behavioural and Cognitive Psychology

OTHER: TYPE: Applied

88. Emotion is generally thought to be a(n) _____ elicited by a(n) _____.
- a. cognition; behaviour
 - b. action tendency; threat
 - c. affect; cognition
 - d. physiological response; affective occurrence

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Emotions

OTHER: TYPE: Factual

NOTES: NEW

89. You and a friend are lost while walking on a street in a foreign city. A stranger approaches, and you are concerned that the stranger may try to mug you. Your friend assumes that the stranger is approaching to give you directions. As the stranger approaches, you experience fear, but your friend experiences relief. Your different emotional reactions can be explained by the _____ theory of emotion.
- a. physiological
 - b. neurological
 - c. affective
 - d. cognitive

ANSWER: D

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Emotions

OTHER: TYPE: Applied

90. The relationship between emotion and health is demonstrated by the fact that
- a. panic is related to poor concentration.
 - b. people with chronic diseases are often angry about their care.
 - c. those in poor physical health almost always develop psychological disorders.
 - d. hostility and anger increase one's risk of heart disease.

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Emotions

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OTHER: TYPE: Factual

91. Studies examining the effects of anger and hostility on the cardiovascular system have demonstrated that anger results in
- a. decreased pumping efficiency of the heart.
 - b. increased pumping efficiency of the heart.
 - c. heart changes similar to those found when exercising.
 - d. few if any measurable changes in the heart.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Emotions

OTHER: TYPE: Factual

92. The fact that women are more likely to suffer from insect phobias than men is most likely due to
- a. biological differences.
 - b. differences in neurochemical pathways.
 - c. cultural expectations.
 - d. genetic influences.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

93. Anxious males tend to have a higher rate of alcoholism than females. One likely explanation for this difference is that men are
- a. more likely to use alcohol to deal with anxiety than to admit they are afraid.
 - b. less likely to be fearful of becoming alcoholic.
 - c. exposed to alcohol more often than women are.
 - d. more likely to see alcohol as a good long-term solution to problems such as anxiety.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

94. The influences of culture and gender on psychopathology are most clearly evident in the disorder of

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- a. bulimia nervosa.
- b. panic disorder.
- c. bipolar disorder.
- d. depression.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

95. People who have many social contacts and live their lives continually interacting with others
- a. develop more infections and have poorer overall health.
 - b. have not been found to differ on any health outcome.
 - c. often suffer from psychological disorders such as dependency.
 - d. live longer and healthier lives.

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Factual

96. Research exposing subjects to the virus that causes the common cold (Cohen *et al.*, 1997) demonstrated that
- a. the lower the individual's socialisation, the lower the chances of contracting a cold.
 - b. the greater the individual's socialisation, the lower the chances of contracting a cold.
 - c. the extent of socialisation and chances of contracting a cold were unrelated.
 - d. the quality of social contact predicted whether the individual would contract a cold, but the frequency of social contact did not.

ANSWER: b

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Factual

97. Regarding the research on socialisation and health, the safest conclusion is that

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- a. social support is important but mostly for those individuals who are at high risk for various physical or psychological disorders.
- b. having a supportive group of people around us is important to our physical health but not our psychological well-being.
- c. having a supportive group of people around us is important to our psychological well-being but not our physical health.
- d. having a supportive group of people around us is one of the most important parts of maintaining our physical and mental health.

ANSWER: d

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

98. In a study conducted by Haber and Barchas (1983), monkeys were injected with amphetamine, a central nervous system stimulant. Comparison of the drug's effects on the dominant versus submissive monkeys demonstrated that the effects of brain chemicals such as drugs are
- a. different for individual animals depending on their place in the social hierarchy.
 - b. the same for all animals regardless of their place in the social hierarchy.
 - c. the same for all animals except for those with a biological predisposition for aggression.
 - d. different for individual animals but the differences appear to be random.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

99. Research with the elderly has found that depression is more likely in those individuals who
- a. have frequent social contacts.
 - b. live in group settings.
 - c. have fewer social contacts.
 - d. receive increased attention from their families when they are sick.

ANSWER: c

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Factual

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100. Depression and schizophrenia seem to appear in all cultures but tend to be characterised by different symptoms within individual cultures. For example, depression in Western culture is generally characterised by feelings of guilt and inadequacy, whereas in developing countries it is characterised by physical distress such as fatigue or illness.

This is most likely due to

- a. genetic differences between individuals living in different cultures.
- b. differences in treatment provided in different cultures.
- c. reasons that our current methods of study are incapable of understanding.
- d. the fact that social and cultural factors influence psychopathology.

ANSWER: d

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

101. Given the role of social factors in psychological disorders and the fact that psychological disorders are still associated with social stigma (people tend to think that a disorder is something to be ashamed of), there is a much greater chance that people with psychological disorders will

- a. be far better treated than those with physical disorders.
- b. seek help for their disorders but be more likely to receive insufficient treatment than those with physical illness.
- c. be ignored by mental health professionals when they seek help.
- d. not seek or receive the treatment and support of others that is most needed for recovery.

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Conceptual

102. When we compare the incidence of psychological disorders across countries and cultures, we find that

- a. there is remarkable similarity in the rates of various disorders in different countries and cultures.
- b. all Western countries have a similar rate of common disorders, but this is not true for developing countries.
- c. developing countries have a much higher rate of psychological disorder than Western countries.
- d. there are enormous differences in the rates of various disorders in different countries and cultures.

ANSWER: d

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POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Factual

103. Political strife, war and suffering in a country tend to _____ the rate of psychological disorders in the country.
- a. decrease
 - b. have little effect on
 - c. have unpredictable effects on
 - d. increase

ANSWER: d

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Cultural, Gender, Social and Interpersonal Factors

OTHER: TYPE: Factual

104. A life-span psychologist would point out that the only way to understand a patient's disorder is to understand how the individual
- a. developed from childhood to adulthood.
 - b. developed during the psychosexual stages.
 - c. resolved conflicts in early life.
 - d. sees himself/herself as part of a family, a community and a culture.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Life-Span Development

OTHER: TYPE: Conceptual

105. According to Eric Erikson, people
- a. only experience major change in adulthood.
 - b. are fully developed by age 50.
 - c. experience eight typical developmental crises across time.
 - d. experience no developmental changes after adolescence.

ANSWER: c

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POINTS: 1

DIFFICULTY: Easy

REFERENCES: Life-Span Development

OTHER: TYPE: Factual

106. When therapists ask patients how they are feeling and how they are experiencing their disorder today, it is essentially taking 'snapshots' of their lives at the moment. This approach to understanding psychopathology is criticised as incomplete by
- a. life-span psychologists. b. cognitive-behaviourists.
 - c. humanists. d. all mental health workers.

ANSWER: a

POINTS: 1

DIFFICULTY: Easy

REFERENCES: Life-Span Development

OTHER: TYPE: Conceptual

107. In an experiment by Kolb, Gibb and Gorny (2003), animals of varying ages were placed in complex environments. Their findings suggest that
- a. the impact of the environment on the brain is different at varying stages of life.
 - b. the impact of the environment on the brain is significant but uniform throughout the lifespan.
 - c. environments that are beneficial to the aged may be harmful to the young.
 - d. the environment has little effect on the brain throughout the lifespan.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Life-Span Development

OTHER: TYPE: Conceptual

108. The fact that some behaviours can be symptoms of many different disorders (e.g. delusions can be a result of amphetamine abuse or of schizophrenia) is an example of
- a. equifinality. b. psychopathology.
 - c. pathogenesis. d. orthogonal causation.

ANSWER: a

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Life-Span Development

OTHER: TYPE: Factual

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109. Children who are resistant to stress are considered to be

- a. resilient.
- b. reliant.
- c. resistant.
- d. reactive.

ANSWER: a

POINTS: 1

DIFFICULTY: Moderate

REFERENCES: Life-Span Development

OTHER: TYPE: Factual

110. The term equifinality refers to the fact that

- a. once a process has begun, it will always lead to a final outcome.
- b. many causes of psychopathology are equal in influence.
- c. a number of paths can lead to the same outcome.
- d. all forms of psychopathology have similar causes.

ANSWER: c

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Life-Span Development

OTHER: TYPE: Factual

111. The fact that depression can be caused by mental illness or drug use is an example of how

- a. once a process has begun, it will always lead to a final outcome.
- b. many causes of psychopathology are equal in influence.
- c. a number of paths can lead to the same outcome.
- d. all forms of psychopathology have similar causes.

ANSWER: c

POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Life-Span Development

OTHER: TYPE: Factual

112. The fact that a disorder can be caused by a variety of factors illustrates the principle of

- a. equifinality.
- b. isolation.
- c. equilibration.
- d. isolation.

ANSWER: a

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POINTS: 1

DIFFICULTY: Difficult

REFERENCES: Life-Span Development

OTHER: TYPE: FACT

113. Our understanding of psychology as an integrated process is in part a function of

- a. better measurement tools.
- b. greater biological knowledge.
- c. application of scientific study to psychological processes.
- d. all of the above

ANSWER: d

POINTS: 1

DIFFICULTY: Moderate

114. Describe the diathesis–stress model. Use it to explain how one identical twin suffers from clinical depression while the other does not.

ANSWER: This model argues that a diathesis is a vulnerability and a stress is an unpleasant experience, which together can cause behavioural and emotional disorders. Identical twins typically share the same genetic vulnerability but might not have the same life experiences.

POINTS: 1

115. Psychoactive medications (drugs that impact our thoughts, emotions and behaviour) usually alter neurotransmitters in the brain. Explain how both an agonist and an antagonist operate on a neurotransmitter. Explain the process of blocking reuptake and the effect it has on a neurotransmitter.

ANSWER: Agonists increase the effects of a transmitter, while antagonists decrease their effects. Reuptake involves the process of neurons reabsorbing their own transmitters from the synapse. When reuptake is blocked, the neurotransmitter stays in the synapse longer, which tends to prolong its effects in an agonistic way.

POINTS: 1

REFERENCES: Neuroscience and its Contributions to Psychopathology

116. What are the basic components of the multidimensional integrative model, and what does the term integrative mean in this model?

ANSWER:

- Behavioural
- Biological
- Social

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- Emotional
- Developmental

This use of the term 'integrative' refers to the model's premise that many factors interact to cause any given disorder.

POINTS: 1

REFERENCES: One-Dimensional versus Multidimensional Models

117. Name three important neurotransmitters and describe the impact each one is thought to have on human experience.

ANSWER: GABA – inhibitory neurotransmitter
Glutamate – excitatory transmitter
Serotonin – neurotransmitter that regulates behaviour, moods and thought processes
Noradrenaline – neurotransmitter involved in endocrine regulation
Dopamine – neurotransmitter implicated in psychological disorders and the control of movement

POINTS: 1

REFERENCES: Neuroscience and its Contributions to Psychopathology

118. Explain the principle of equifinality and its use in developmental psychopathology.

ANSWER: Equifinality indicates that a number of paths to a given outcome must be considered, for example, a hallucinatory syndrome may be the result of schizophrenia or the result of taking LSD. The different paths can also be the result of the interaction of psychological and biological factors during various stages of development.

POINTS: 1

REFERENCES: Life-Span Development