higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

EDUCATION N4

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
EDUCATION N4
TIME: 3 HOURS
MARKS: 200

INSTRUCTIONS AND INFORMATION

1. Answer all the questions.
2. Read all the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Start each section on a new page.
5. Use only a black or blue pen.
6. Write neatly and legibly.

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SECTION A

QUESTION 1

Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (1.1–1.10) in the ANSWER BOOK.

1.1 Educational deprivation may be caused by …

A poor self-image ⌘
B lack of good schools
C being egocentric
D emotional problems

1.2 … is one of the signs that a child may have a learning disability.

A Lack of enthusiasm for reading and writing
B Slow, clumsy movements
C Less than an average IQ
D Struggling to keep eye contact

1.3 The term *affective* refers to …

A creative
B physical
C emotional
D social

1.4 Mind maps are used as a …

A learning tool ⌘
B tool to find your way when lost
C tool to classify different mind processes
D diagnosing tool

1.5 Moral normative development refers to …

A developing creative skills
B knowing what is right or wrong
C being able to socialise with other
D developing language

1.6 The Whole Child Approach studies …

A the child in totality ⌘
B all nine aspects of development
C the children of the world as a whole
D the environment of the child

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1.7 When kicking a ball, you need to have good …

A self-control
B eye-hand coordination
C fine motor control
D eye-foot coordination

1.8 According to Pavlov, we learn through ...

A memorising
B operant conditioning
C being in the environment
D classical conditioning

1.9 … is a characteristic of a gifted child.

A To learn quickly and efficiently
B Always being on the go
C Not being able to keep up with the pace in the class
D Struggling to pay attention when required

1.10 The term *socio-economic* refers to …

A money you have in your account
B social and financial circumstances
C the economic situation of a country
D being able to socialise

(10 × 2) **[20]**

QUESTION 2

Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (2.1–2.10) in the ANSWER BOOK.

2.1 A psychologist is a medical practitioner.

2.2 An optometrist tests eyes and prescribes spectacles.

2.3 Physiotherapists treat emotional problems.

2.4 Social workers deal with socio-economic problems in the community.

2.5 Psychiatrists cannot diagnose learning problems in children.

2.6 When going for a hearing test, you visit an audiologist.

2.7 Educators can identify possible problems in children.

2.8 An occupational therapist can prescribe medication if needed.

2.9 Paediatricians work mainly with children.

2.10 Neurologists are experts in the study of the brain and nervous system.

(10 × 1) **[10]**

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QUESTION 3

Choose ONE term from the list below for each of the following descriptions and write it next to the question number (3.1–3.10) in the ANSWER BOOK.

mind map; motor skills; religious; insight learning; reinforcement; response; autonomy; closure; coordination; metacognition

3.1 Believing in a Greater Being

3.2 The ability to do things on your own

3.3 Another word for *reaction* ⌘

3.4 Can help to organise learning material

3.5 Knowing one's own cognitive processes

3.6 Using brain power to learn

3.7 Ability to move

3.8 The possibility that the behaviour will reoccur increases ⌘

3.9 The ability to complete a picture in your mind when detail is missing

3.10 Working together in an organised manner

(10 × 2) **[20]**

TOTAL SECTION A: 50

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SECTION B

QUESTION 4

4.1 Children with an IQ of less than 70 is seen as intellectually challenged or disabled.

⌘

4.1.1 Name FOUR possible causes of intellectually disability. (4)

4.1.2 Identify ONE of the factors you named in QUESTION 4.1.1 that can be prevented and substantiate your answer. (2)

4.1.3 State FIVE possible signs that may indicate intellectual disability in a young child. (5 × 2) (10)

4.1.4 Give TWO hints to educators on how to stimulate a disabled child in the day care situation. (2)

4.2 All aspects of a child need to be kept in mind to make sure that the child develops as a whole.

Which TWO aspects are developed in each of the following situations:

4.2.1 The teacher names the different shapes: circle; square and triangle.

⌘

4.2.2 The children play together on the jungle gym outside.

4.2.3 During messy play, the children draw their own beautiful pictures.

4.2.4 The children have specific times for toilet routines and then stand in two lines – one for girls and one for boys.

4.2.5 The teacher reads a story while the children are sitting together on the mat.

(5 × 2) (10)

4.3 What type of memory is used in each of the following scenarios:

4.3.1 You hear the sounds outside the classroom and see the posters on the wall.

4.3.2 You try to understand and make sense of what the lecturer is teaching.

⌘

4.3.3 Writing a test, you remember the information that you learnt the previous day.

4.3.4 Your grandmother remembers her first day at school.

4.3.5 You see the number plate of a car but cannot recall it afterwards.

(5 × 1) (5)

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4.4 The emotional aspect is an important area to be developed.

4.4.1 Identify THREE aspects that encourage positive emotional development. ⌘

4.4.2 State THREE practical ideas to ensure that a child feels emotionally safe in your class.

(2 × 3) (6)

4.5 Explain the following terminology found in Skinner's learning theory:

4.5.1 Reinforcement

4.5.2 Response

4.5.3 Extinction ⌘

4.5.4 Spontaneous recovery

4.5.5 Stimulus

⌘ (5 × 2) (10)

4.6 Give a synonym for (word with the same meaning as) the term *cognitive development*. (1)

[50]

QUESTION 5

5.1 Study the elements in the picture below and answer the questions. ⌘

Element 1: Girl with doll and teddy bear
Element 2: Boy with building blocks
Element 3: Boy with cart



[Source: *www.google/images.co.za*]

5.1.1 What type of play is the girl in element 1 involved in? Substantiate your answer.

5.1.2 What muscles is the boy in element 2 using while building blocks? Substantiate your answer. ⌘

5.1.3 Is the boy with the cart in element 3 using the same muscles as the boy with the building blocks? Substantiate your answer.

5.1.4 Identify TWO opportunities for aesthetic development. ⌘

5.1.5 Is there any opportunity for social development? Substantiate your answer.

(5 × 2) (10)

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5.2 Learning problems may be caused by the following three factors:
The environment; Biological factors; Factors relating to education

Identify these factors in the following statements. Write only the answer next to the question number (5.2.1–5.2.5) in the ANSWER BOOK.

5.2.1 Stress at home

5.2.2 Large numbers of learners in the classroom

5.2.3 Minimal brain dysfunction ⌘

5.2.4 Discrimination by teacher

5.2.5 Possible heredity component

(5 × 2) (10)

5.3 5.3.1 Define intrinsic motivation.

5.3.2 Define extrinsic motivation.

(2 × 2) (4)

5.4 Identify the type of motivation in the following statement:

'I am working to get a salary cheque at the end of the month.' (2)

5.5 Explain how the following elements (according to Bandura's social learning theory) play a role in learning:

5.5.1 Attention ⌘

5.5.2 Memory

5.5.3 Motor control/action

5.5.4 Motivation

(4 × 2) (8)

5.6 Hyperactivity and ADHD is a condition that is seen more and more often in younger children.

5.6.1 Write the abbreviation ADHD in full. (2)

5.6.2 Give a definition of *hyperactivity.* (2)

5.6.3 State FIVE possible signs of hyperactivity. (5)

5.6.4 State FIVE hints to an educator on how to change her approach in class to make sure the hyperactive child pays attention and gets work done. (5)

⌘

5.6.5 Do you agree with the following statement:

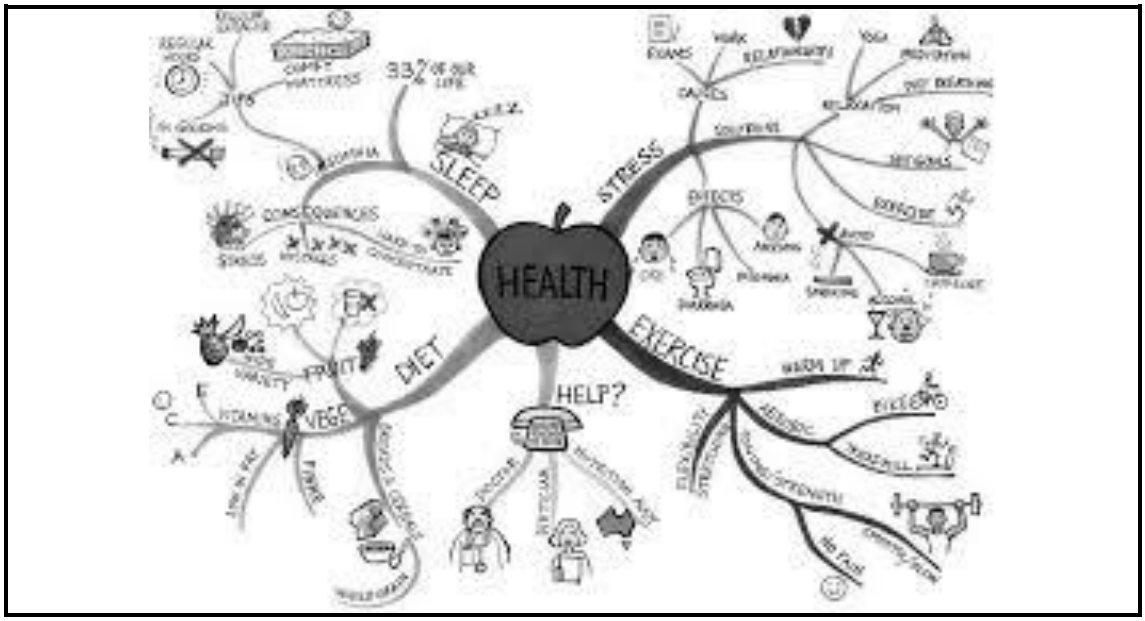
'There is medical treatment available for children with ADHD.' (2)

[50]

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QUESTION 6

6.1 Study the illustration below and answer the questions.



6.1.1 What type of learning tool is illustrated above? ⌘ (2)

6.1.2 Name TWO important aspects used in this tool to help the creative side of the brain to participate in the learning process. (2)

6.1.3 Give FIVE reasons why you should consider this tool to help you organise the work you must learn. (5)

6.1.4 Explain why the word HEALTH is written in the centre of the illustration. (2)

6.2 Choose the correct term from those in brackets. Write only the answer next to the question number (6.2.1–6.2.5) in the ANSWER BOOK.

6.2.1 (Aesthetic/Creative) refers to the ability to appreciate beauty.

6.2.2 To store and retrieve information are functions of (learning/memory). ⌘

6.2.3 (Heredity/Culture) refers to the genetic characteristic of a person.

6.2.4 (Environment/Awareness) is the surrounding circumstances in which we grow up. ⌘

6.2.5 In psychology, habituation refers to (the place you stay/getting used to a stimulus).

(5 × 2) (10)

6.3 Name and explain TWO practical examples of activities to develop the following aspects in a child:

6.3.1 Gender

6.3.2 Physical ⌘

6.3.3 Cognitive

6.3.4 Creative

6.3.5 Social

(5 × 2) (10)

6.4 Study the scenario below and answer the questions.

> Tumi is at college. It is already March and she still does not have all her textbooks. One lecturer has ten books that she keeps in class for them to use. The principal says it is the bursary fund's fault that they don't have textbooks as the fund did not yet pay the money over to the college. The lecturers are very demotivated and often absent. The copy machine in the OLC – the only one available for the students – is out of order and cannot be repaired due to lack of money.

6.4.1 Identify TWO of Tumi's major problems. (2)

6.4.2 Tumi is educationally deprived. ⌘

Explain the term *educationally deprived* in your own words. (2)

6.4.3 Why do you think the lecturers are demotivated? (2)

6.4.4 Explain the difference between being *motivated* and *demotivated.* (2)

6.4.5 If you were the principal, what solution would you have for the following problems:

(a) The lack of textbooks

(b) Demotivated lecturers

(c) The copy machine

(3 × 2) (6)

6.5 A day care centre plays an important role in the development of a child.

Name FIVE signs of a good day care facility. ⌘ (5)

[50]

TOTAL SECTION B: 150
GRAND TOTAL: 200

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