higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N1100**(E)**(J5)H

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4

(First Paper)

(9090154)

5 June 2018 (X-Paper)
09:00–11:00

This question paper consists of 5 pages.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
MEDICAL PRACTICE N4
(First Paper)
TIME: 2 HOURS
MARKS: 100

NOTE: If you answer more than the required number of questions, only the required number will be marked. Clearly cross out ALL work you do NOT want to be marked.

INSTRUCTIONS AND INFORMATION

1. This question paper consists of TWO sections.
2. SECTION A is COMPULSORY.
3. Answer only THREE questions from SECTION B.
4. Read ALL the questions carefully.
5. Number the answers according to the numbering system used in this question paper.
6. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Give the correct medical term for the following:

1.1.1 The joint system

1.1.2 Further away from the midline

1.1.3 On the inside

1.1.4 An opening in a bone

1.1.5 Refers to the palm of the hand

(5 × 2) (10)

1.2 Explain the following medical terms:

1.2.1 Inferior

1.2.2 Posterior

1.2.3 Micro-anatomy

1.2.4 Coronal cut

1.2.5 Peritoneal cavity

(5 × 2) (10)

1.3 Name and describe FOUR kinds of connective tissue found in the body. (4)

1.4 Name the sphincter between the oesophagus and the stomach. (2)

1.5 What are the rhythmic wavelike movements of the intestines called? (2)

1.6 Name the membrane that covers the lungs. (2)

1.7 What are the nerves called that conduct impulses towards the brain? (2)

1.8 Name the FOUR lobes of the cerebrum. (2)

1.9 What are the receptors called that are stimulated by motor actions? (2)

1.10 What is the canal called that connects the ear with the nasopharynx? (2)

1.11 What is the functional unit of the kidney called? (2)

[40]

TOTAL SECTION A: 40

SECTION B

Answer only THREE questions from this section.

QUESTION 2

2.1 Briefly explain the breathing movements and the influence these have on the exchange of gasses. (10)

2.2 Discuss the circulation of blood through the heart. (10)
[20]

QUESTION 3

3.1 Briefly explain how blood groups are determined. (10)

3.2 Explain the Rh-problem that exists during pregnancy. (7)

3.3 State THREE functions of thyroxine. (3)
[20]

QUESTION 4

4.1 Explain how 'the pill' functions as a contraceptive. (5)

4.2 Name FIVE symptoms that a doctor should be informed about if a woman is on the pill. (5)

4.3 Explain the functioning of the following contraceptives:

4.3.1 The diaphragm (3)

4.3.2 Intra-uterine devices (3)

4.4 Why are condoms not regarded as medically accepted contraceptives? (3)

4.5 Explain the term *coitus interruptus*. (1)
[20]

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QUESTION 5

5.1 Write brief notes on gonorrhoea in males and females. (10)

5.2 Write brief notes on each of the following:

5.2.1 Should a baby be fed water from the moment of birth? (3)

5.2.2 When must a baby start with solid food? (4)

5.2.3 Is a mother who is breastfeeding allowed to take medicine? (3)
[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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