higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4

(First paper)

(9090154)

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09:00–11:00

This question paper consists of 6 pages.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

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

NOTE: If you answer more than the required number of questions, only the required number of questions will be marked. All work you do not want to be marked must be clearly crossed out.

INSTRUCTIONS AND INFORMATION

1. Answer all the questions in SECTION A.
2. Answer any THREE questions in SECTION B.
3. Read all the questions carefully.
4. Number the answers according to the numbering system used in this question paper.
5. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Choose a term from COLUMN B that matches a statement in COLUMN A. Write only the letter (A–L) next to the question number (1.1.1–1.1.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.1.1	Movement towards the midline	A	external
1.1.2	Straightening	B	lateral
1.1.3	Furthest from the origin	C	supination
1.1.4	Away from the midline of the body	D	adduction
1.1.5	Articulating surface	E	flexion
1.1.6	Rotation to face back	F	fossa
1.1.7	Outside	G	Palmaris
1.1.8	Hollow area	H	extension
1.1.9	Bending	I	pronation
1.1.10	Rotation to face forward	J	plantar
		K	facet
		L	distal

(10 × 1) (10)

1.2 Choose the correct term from those in brackets. Write only the answer next to the question number (1.2.1–1.2.10) in the ANSWER BOOK.

1.2.1 (Mitosis/Meiosis) produces two cells that are identical to each other.

1.2.2 Eggs and sperm are produced through (mitosis/meiosis).

1.2.3 The (respiratory/digestive) system is responsible for gas exchange.

1.2.4 Arteries have (thicker/thinner) walls than veins.

1.2.5 The (lymphatic/nervous) system helps to rid the body of wastes.

1.2.6 The (frontal/occipital) lobe of the brain is primarily responsible for vision.

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1.2.7 Douching is (effective/ineffective) as a method of contraception.

1.2.8 (Herpes/Gonorrhoea) can be cured.

1.2.9 Syphilis progresses through (three/four) stages.

1.2.10 Exclusive breastfeeding of babies is recommended for at least (six/twelve) months if this is possible.

(10 × 1) (10)

1.3 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.3.1–1.3.10) in the ANSWER BOOK.

1.3.1 Vitamin C promotes wound healing and helps to prevent infections.

1.3.2 Digestion begins in the stomach.

1.3.3 Epithelial tissue provides protection.

1.3.4 Blood is a type of connective tissue.

1.3.5 The femoral artery is found in the arm.

1.3.6 Insulin is produced in the prostate.

1.3.7 A reflex is an involuntary response to a stimulus.

1.3.8 Proprioceptors receive external stimuli.

1.3.9 The labia minora are external organs of the female reproductive system.

1.3.10 Intrauterine devices must be replaced every second week.

(10 × 2) (20)

[40]

TOTAL SECTION A: 40

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SECTION B

Answer only THREE questions from this section.

QUESTION 2

2.1 What is a sphygmomanometer used for? (2)

2.2 What are the first TWO diseases against which babies are vaccinated in South Africa? (2)

2.3 Name FOUR groups of spinal nerves. (4)

2.4 Explain how to help a baby bring up wind. (7)

2.5 Give FIVE reasons why you think breathing through your nose is better than through your mouth. (5)
[20]

QUESTION 3

3.1 List FOUR abnormal constituents of urine. (4)

3.2 Name the FOUR main hormones that control the menstrual cycle. (4)

3.3 Name SEVEN signs that would tell that a patient is suffering from shock and needs help. (7)

3.4 State FIVE guidelines for safer sex. (5)
[20]

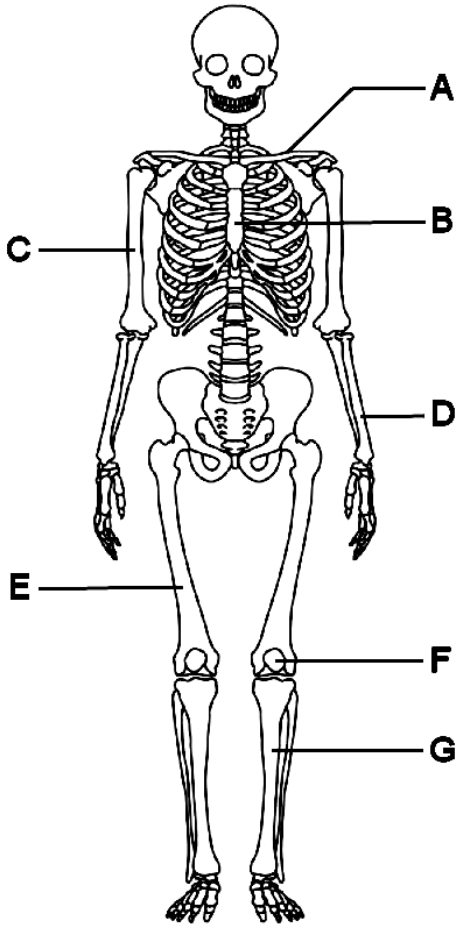
QUESTION 4

4.1 List FOUR main components of a balanced diet. (4)

4.2 Give FOUR characteristics of living cells. (4)

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4.3 Study the image below and give the correct name for each bone (A–G). Write only the name of the bone next to the letter (A–G) in the ANSWER BOOK.



(7)

4.4 Name FIVE advantages of the male condom as a contraceptive method. (5)
[20]

QUESTION 5

5.1 List FOUR internal organs of the male reproductive system. (4)

5.2 Give FOUR common side effects of oral contraceptive pills. (4)

5.3 Name SEVEN steps to take to manage a patient having a heart attack. (7)

5.4 State FIVE reasons why it is important to know whether a person has syphilis before having a baby. (5)
[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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