higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4

(First paper)

(9090154)

26 May 2021 (X-paper)
09:00–11:00

This question paper consists of 7 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. 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. Start each question on a new page.
6. Use only a black or blue pen.
7. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Choose a term from COLUMN B that matches an item 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	Nearest the origin	A	medial
1.1.2	Referring to the palm of the hand	B	inferior
1.1.3	Towards the midline of the body	C	posterior
1.1.4	Movement away from the midline	D	anterior
1.1.5	Situated above	E	fossa
1.1.6	Front	F	abduction
1.1.7	Relating to the sole of the foot	G	internal
1.1.8	Back	H	proximal
1.1.9	Situated below	I	facet
1.1.10	Inside	J	superior
		K	palmaris
		L	plantar

(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 Digestion begins in the (mouth/stomach).

1.2.2 (Mitosis/Meiosis) results in two identical daughter cells.

1.2.3 The process of (mitosis/meiosis) produces reproductive cells.

1.2.4 Cardiac muscle tissue is found in the (heart/lungs).

1.2.5 Carotid arteries are found in the (neck/feet).

1.2.6 The brachial artery is located in the (arm/leg).

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1.2.7 Vitamin (C/K) promotes blood clotting.

1.2.8 The (spleen/sternum) filters blood.

1.2.9 (Adrenaline/Insulin) is produced in the pancreas.

1.2.10 The (central/peripheral) nervous system consists of the brain and spinal cord.

(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 A promotes healthy vision.

1.3.2 Arteries have thinner walls than veins.

1.3.3 The organs responsible for gas exchange are the kidneys.

1.3.4 The lymphatic system helps to remove waste from the body.

1.3.5 The lobe of the brain that is primarily responsible for vision is the frontal lobe.

1.3.6 A reflex arc is a neural pathway over which impulses travel to produce a reflex action.

1.3.7 A reflex action is a voluntary response to a sensory stimulus.

1.3.8 The testes are external organs of the male reproductive system.

1.3.9 Sperm are produced in the prostate gland.

1.3.10 Condoms are reusable.

(10 × 2) (20)
[40]

TOTAL SECTION A: 40

SECTION B

Answer only THREE questions from this section.

QUESTION 2

2.1 Name FOUR organs that make up the urinary system. (4)

2.2 Give FOUR examples of bodily fluids through which HIV/AIDS can be transmitted. (4)

2.3 Explain how to use a sphygmomanometer to measure the blood pressure of a patient. (7)

2.4 What are the advantages of oral tablets (the oral contraceptive pill) as a contraceptive method? (5)

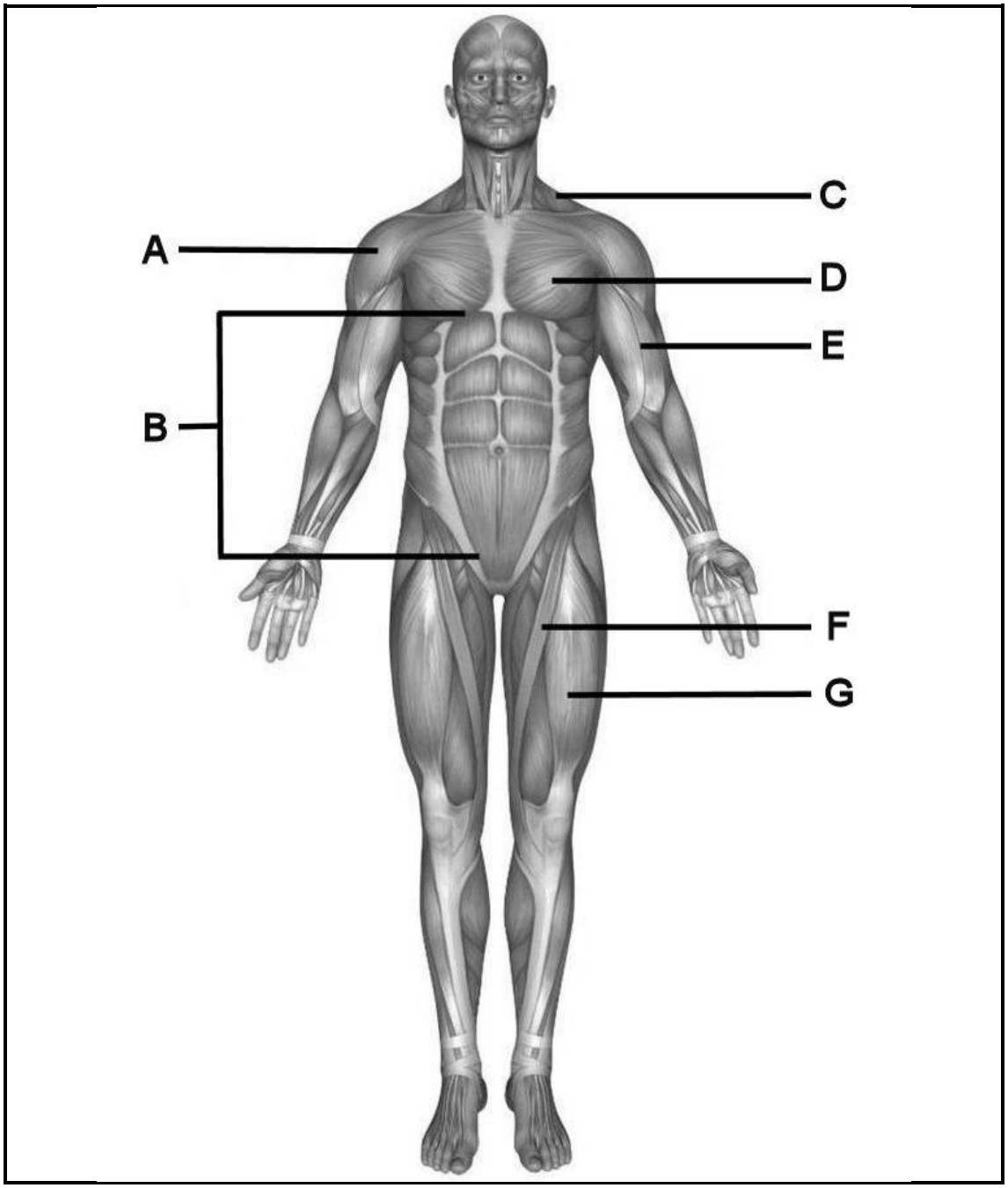
[20]

QUESTION 3

3.1 Name the THREE membranes that cover the brain and spinal cord. (3)

3.2 List FIVE important factors that play a role in the intelligence of a child. (5)

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



(7)

3.4 Why is it important that babies receive the necessary vaccinations? (5)

[20]

QUESTION 4

4.1	Through how many stages does syphilis progress?	(1)
4.2	What does *AIDS* stand for?	(2)
4.3	Name TWO sexually transmitted diseases that can be cured.	(2)
4.4	Name THREE sexually transmitted diseases that cannot be cured.	(3)
4.5	What should you do to manage a patient who is in shock when a doctor is not available immediately?	(7)
4.6	What would make an adult unsuitable to donate blood?	(5)
		[20]

QUESTION 5

5.1	Name FOUR internal organs of the female reproductive system.	(4)
5.2	Give FOUR functions of the skeleton.	(4)
5.3	What signs or symptoms would tell you that a patient in the waiting room is having a heart attack and needs help?	(7)
5.4	Identify factors that contribute to unplanned pregnancies.	(5)
		[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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