higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N1110**(E)**(M28)H

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4

(First Paper)

(9090154)

28 May 2019 (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. 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 Explain each of the following anatomical terms:

1.1.1 Anterior

1.1.2 Medial

1.1.3 Superior

1.1.4 Internal

1.1.5 Distal

1.1.6 Palmaris

1.1.7 Abduction

1.1.8 Extension

1.1.9 Supination

1.1.10 Facet

(10 × 2) (20)

1.2 Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'True' or 'False' next to the question number (1.2.1–1.2.10) in the ANSWER BOOK.

1.2.1 Mitosis is the process of cell division resulting in reproductive cells.

1.2.2 Cardiac muscle is found in the cerebrum.

1.2.3 Vitamin A helps to form healthy bones.

1.2.4 Hiccups are caused by muscle spasms of the diaphragm.

1.2.5 The femoral artery is located in the thigh.

1.2.6 The autonomic nervous system consists of the brain and spinal cord.

1.2.7 Showering is an effective and reliable method of contraception.

1.2.8 Women of the same age have similar contraceptive requirements.

1.2.9 Reliable forms of contraception are usually unaffordable.

1.2.10 For a contraceptive to be effective it should be used regularly after intercourse.

(10 × 2) (20)
[40]

TOTAL SECTION A: 40

SECTION B

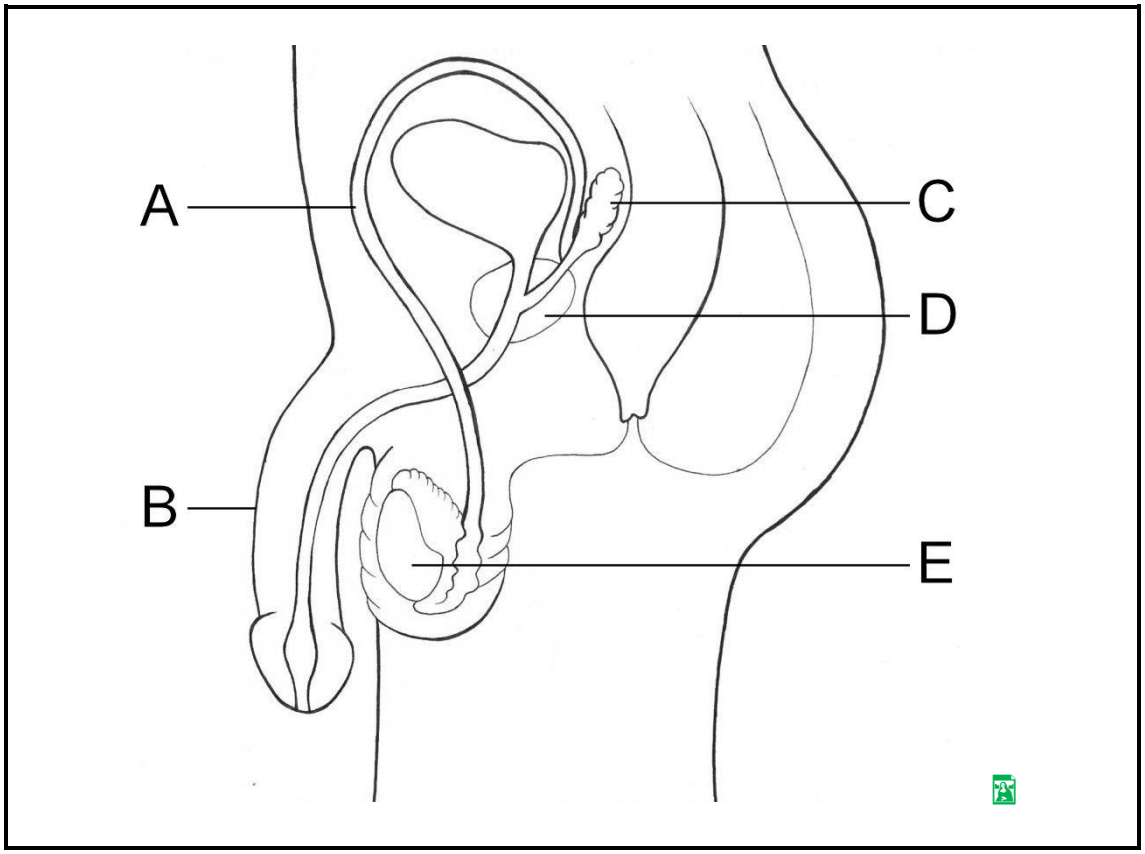
Answer any THREE questions in this section.

QUESTION 2

2.1 List FOUR types of effective contraception. (4)

2.2 What are the average weight and length values of babies at birth? (2 + 2) (4)

2.3



[Adapted from: *http://anatomybody101.org/*]

Give the correct name for each part shown in the figure by writing only the answer next to the letter (A–E) in the ANSWER BOOK. (5 × 1) (5)

2.4 When is a woman most likely to conceive during the menstrual cycle? (2)

2.5 Why are some mothers not able to breastfeed? (5)

[20]

QUESTION 3

3.1 Name FOUR internal organs of the female reproductive system. (4)

3.2 List the FOUR hormones that regulate the menstrual cycle. (4)

3.3 Name TWO bodily fluids that are likely to transmit HIV/AIDS. (2)

3.4 Classify the following sexually transmitted infections as either curable or treatable but incurable:

herpes; syphilis; genital sores; AIDS; gonorrhoea

Tabulate the answer in the ANSWER BOOK as follows:

CURABLE	INCURABLE

(5 × 1) (5)

3.5 How can the spread of sexually transmitted infections be prevented? (5)
[20]

QUESTION 4

4.1 Name the THREE membranes covering the brain. (3)

4.2 What are the components of a reflex arc? (5)

4.3 Which steps should you take to handle a patient in shock until a doctor arrives? (7)

4.4 Summarise the functions of cerebrospinal fluid. (5)
[20]

QUESTION 5

5.1 Name FOUR groups of spinal nerves. (4)

5.2 Name FOUR endocrine glands. (4)

5.3 Explain how to measure blood pressure with a sphygmomanometer. (7)

5.4 Give FIVE functions of the skeleton. (5)
[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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