higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4
(First Paper)

(9090154)

15 November 2019 (X-Paper)
09:00–11:00

This question paper consists of 5 pages.

Copyright reserved

DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

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

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions in SECTION A.
2. Answer any THREE of the four 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.

Copyright reserved

SECTION A

Answer ALL the questions in SECTION A.

QUESTION 1

1.1 Explain each of the following anatomical terms:

1.1.1 Posterior

1.1.2 Lateral

1.1.3 Inferior

1.1.4 External

1.1.5 Proximal

1.1.6 Plantar

1.1.7 Adduction

1.1.8 Flexion

1.1.9 Pronation

1.1.10 Fossa

(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 Meiosis is the process of cell division resulting in two identical daughter cells.

1.2.2 Carbohydrates and fats are important parts of a balanced diet.

1.2.3 Vitamin C helps to maintain healthy tissue.

1.2.4 Hiccups are caused by spasms of the biceps.

1.2.5 The brachial artery is located in the arm.

1.2.6 A sphygmomanometer is used to measure temperature.

1.2.7 The lymphatic system helps to rid the body of toxins.

1.2.8 The spleen acts as a filter for blood.

1.2.9 Douching is a reliable form of contraception.

Copyright reserved

1.2.10 Untreated syphilis progresses through six stages. (10 × 2) (20)

[40]

TOTAL SECTION A: 40

SECTION B

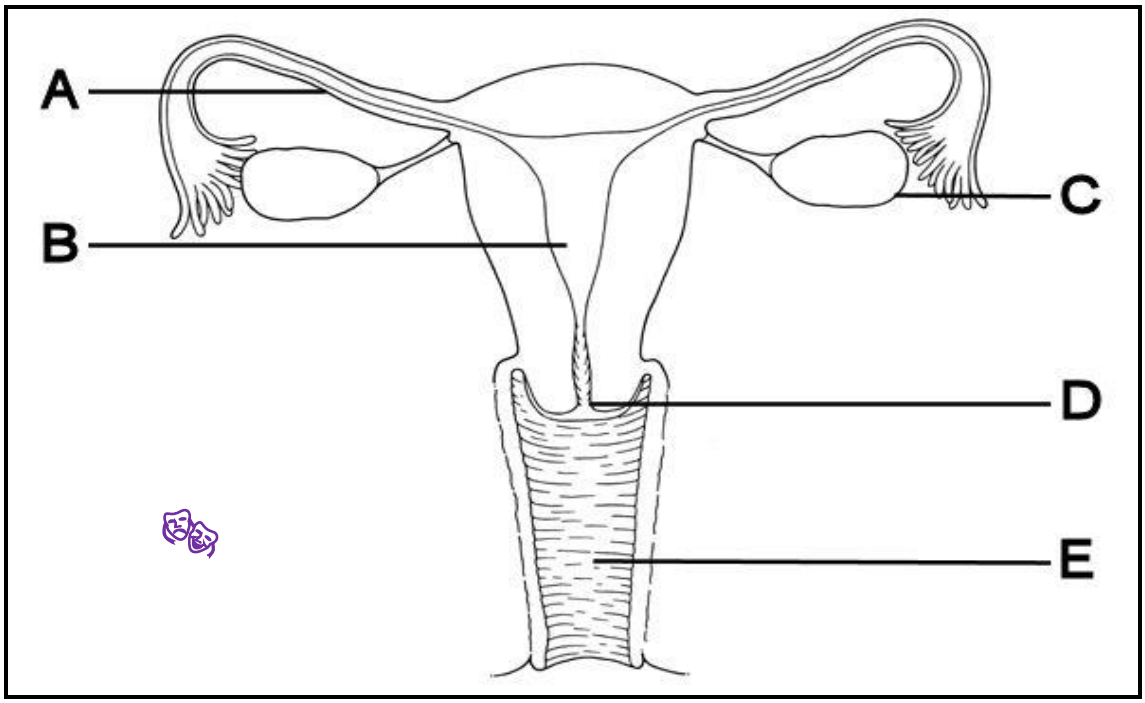
Answer any THREE of the four questions in SECTION B.

QUESTION 2

2.1 Name FOUR factors that play a role in the learning environment and intelligence of a child. (4)

2.2 Give TWO examples of motor development milestones for babies at 12 months old. (2 × 2) (4)

2.3 Study the FIGURE below and name each part indicated on the sketch. Write only the answer next to the letter (A–E) in the ANSWER BOOK.



[Adapted from: http://msjensen.cbs.umn.edu/webanatomy/image_database/Reproductive/female-repro.gif]

FIGURE (5 × 1) (5)

2.4 Explain the relationship between sperm count, fertility and infertility. (2 × 1) (2)

2.5 Explain, giving reasons, whether you would recommend the rhythm method and coitus interruptus to couples who want to avoid pregnancy. (5 × 1) (5)

[20]

QUESTION 3

3.1 Name THREE sexually transmitted infections that can be treated, but not cured. (3)

3.2 Name TWO diseases against which children are vaccinated in South Africa. (2)

3.3 Name THREE of the main hormones that regulate the menstrual cycle. (3)

3.4 What advice could be given to someone infected with HIV to help maintain their health? (7 × 1) (7)

3.5 What should be considered or what questions should be asked, when choosing a contraceptive method? (5 × 1) (5)

[20]

QUESTION 4

4.1 Name the FOUR main types of tissue. (4)

4.2 Name the FOUR lobes of the brain. (4)

4.3 What should be done if a patient suffers a heart attack in the waiting room? (7 × 1) (7)

4.4 State the criteria that qualify a person to donate blood. (5 × 1) (5)

[20]

QUESTION 5

5.1 Name FOUR abnormal findings in urine. (4)

5.2 Name FOUR internal organs of the male reproductive system. (4)

5.3 Describe the path of food through the digestive tract by naming each organ in the correct order, from when food enters the body until it leaves as waste. (7 × 1) (7)

5.4 Why is eating a healthy, balanced diet containing all required nutrients, so important? (5 × 1) (5)

[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

Copyright reserved