higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4
(First Paper)

15 NOVEMBER 2019

This marking guideline consists of 6 pages.

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SECTION A

QUESTION 1

1.1	1.1.1	Back		
	1.1.2	Away from the midline of the body		
	1.1.3	Situated below		
	1.1.4	Outside		
	1.1.5	Nearest the origin		
	1.1.6	Relating to the sole of the foot		
	1.1.7	Movement towards the midline		
	1.1.8	Bending		
	1.1.9	Rotation to face back		
	1.1.10	Hollow area		
			(10 × 2)	(20)

1.2	1.2.1	False		
	1.2.2	True		
	1.2.3	True		
	1.2.4	False		
	1.2.5	True		
	1.2.6	False		
	1.2.7	True		
	1.2.8	True		
	1.2.9	False		
	1.2.10	False		
			(10 × 2)	(20)
				[40]

TOTAL SECTION A: 40

SECTION B

QUESTION 2

2.1
- Heredity
- Environment
- Love
- Parenting
- Stimulation (Any relevant 4 × 1) (4)

2.2
- Pulls self up to standing position
- Walks with support/holding onto furniture
- Takes a few steps without support
- Grasps objects using pincer grasp (Any 2 × 2) (4)

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2.3 A – Fallopian tube
B – Uterus
C – Ovary
D – Cervix
E – Vagina (5)

2.4 A sperm count above 40 million is related to normal fertility.✓ A sperm count below 40 million or too low and may make fertilisation more difficult or could indicate infertility.✓ (Any relevant 2 × 1) (2)

2.5 No,✓ I would not recommend either of these methods as they are unreliable.✓
Record-keeping for the rhythm method may not be accurate,✓ or the woman's cycle may be irregular✓ or disturbed,✓ affecting calculations.
Coitus interruptus is ineffective because sperm may be present in the pre-ejaculate fluid✓ or the man might not pull out in time.✓ (Any relevant 5 × 1) (5)
[20]

QUESTION 3

3.1
- HIV/AIDS
- Herpes
- Genital warts
- HPV (Any 3 × 1) (3)

3.2
- Tuberculosis/TB
- Polio
- Rotavirus
- Diphtheria
- Tetanus
- Pertussis/whooping cough
- Haemophilus influenza type b
- Hepatitis B
- Pneumococcal disease
- Measles
- Mumps
- Rubella (Any 2 × 1) (2)

3.3
- Follicle-stimulating hormone (FSH)
- Oestrogen
- Luteinising hormone (LH)
- Progesterone (Any 3 × 1) (3)

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3.4
- Get enough sleep
- Exercise regularly
- Maintain a healthy diet
- Avoid smoking
- Avoid substance abuse
- Reduce stress
- Take ARVs if or when required
- Adhere to prescribed treatment
- Learn about the side effects of treatment and how to manage them
- Practice safe sex
- Go for regular medical check-ups
- Get counselling and support (Any relevant 7 × 1) (7)

3.5
- How effective is it?
- Is it affordable?
- Is it accessible?
- Is it reversible or permanent?
- What are the side effects and are they acceptable?
- Does it fit into my lifestyle?
- Would it be easy to use or apply properly?
- Before using hormonal contraceptives, pre-existing health conditions, smoking, age and family history should be considered.
- Are there other options that should be considered?
- Have I been well-informed of all my options? (Any relevant 5 × 1) (5)

[20]

QUESTION 4

4.1
- Epithelial
- Muscle
- Connective
- Nervous (4)

4.2
- Frontal
- Parietal
- Occipital
- Temporal (4)

4.3
- Call the doctor/for an ambulance immediately.
- Have the patient sit or lie down.
- Loosen tight clothing.
- If the patient stops breathing, apply CPR or chest compressions at least if not trained in CPR (approximately 100 chest compressions per minute).
- Use an automated external defibrillator (AED) if available.
- If breathing resumes, sponge the patient with a cool damp cloth.
- Keep the patient calm if conscious.
- Stay with the patient until help arrives. (Any relevant 7 × 1) (7)

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4.4
- 16–65 years old
- Medically healthy
- Weight at least 50 kg
- Do not use drugs
- Do not have multiple sexual partners and have a safe sex life
- Did not have a tattoo or piercing done in the past six months

(Any relevant 5 × 1) (5)
[20]

QUESTION 5

5.1
- Protein
- Blood
- Sugar/glucose
- Nitrites
- Leukocytes
- Ketones
- Affected colour
- Cloudiness
- Bad or sweet odour

(Any relevant 4 × 1) (4)

5.2
- Testes
- Epididymis
- Vas deferens
- Ejaculatory ducts
- Seminal vesicles
- Urethra
- Prostate gland
- Bulbourethral glands

(Any 4 × 1) (4)

5.3
- Mouth
- Oesophagus
- Stomach
- Small intestine
- Large intestine/colon
- Rectum
- Anus

(In correct order) (7 × 1) (7)

5.4
- It provides the body with energy.
- It provides what the body needs to function well and get rid of waste.
- It supports growth and development.
- Nutrients help maintain body tissues.
- Nutrients repair and heal damaged cells and tissues.
- It helps to regulate and protect body processes.
- A good diet helps to maintain a healthy body weight and prevent diseases.
- It supports the immune system. (Any relevant 5 × 1) (5)

[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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