higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

MEDICAL PRACTICE N4
(First paper)

26 May 2021

This marking guideline consists of 6 pages.

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SECTION A

QUESTION 1

1.1	1.1.1	H		
	1.1.2	K		
	1.1.3	A		
	1.1.4	F		
	1.1.5	J		
	1.1.6	D		
	1.1.7	L		
	1.1.8	C		
	1.1.9	B		
	1.1.10	G		
			(10 × 1)	(10)
1.2	1.2.1	Mouth		
	1.2.2	Mitosis		
	1.2.3	Meiosis		
	1.2.4	Heart		
	1.2.5	Neck		
	1.2.6	Arm		
	1.2.7	K		
	1.2.8	Spleen		
	1.2.9	Insulin		
	1.2.10	Central		
			(10 × 1)	(10)
1.3	1.3.1	True		
	1.3.2	False		
	1.3.3	False		
	1.3.4	True		
	1.3.5	False		
	1.3.6	True		
	1.3.7	False		
	1.3.8	False		
	1.3.9	False		
	1.3.10	False		
			(10 × 2)	(20)
				[40]

TOTAL SECTION A: 40

SECTION B

Mark only THREE questions from this section.

QUESTION 2

2.1
- Kidneys
- Ureter
- Bladder
- Urethra (4)

2.2
- Blood
- Semen
- Pre-seminal fluid
- Vaginal secretions/fluid
- Cervical secretions/fluid
- Rectal secretions/fluid
- Breast milk (Any 4 × 1) (4)

2.3
- Have the patient sit comfortably.
- Select the right size blood pressure cuff.
- Wrap the cuff around the arm, just above the elbow.
- Place the stethoscope under the cuff over the brachial artery.
- Close the valve of the sphygmomanometer and inflate the cuff rapidly, to approximately 180 mmHg, where the sound disappears.
- Open the valve to slowly release the pressure.
- Read the systolic pressure when the pulse is audible again.
- Read the diastolic pressure when this sound disappears again.
- If the blood pressure is elevated, measure it two more times, waiting a short time between measurements. (Any correct explanation 7 × 1) (7)

2.4
- Highly effective when used correctly
- Can have additional benefits besides contraception, such as easing premenstrual syndrome and helping to prevent acne
- Makes your period regular and easy to predict
- Will allow you to get pregnant right after you stop taking it
- No interference with spontaneity of sexual activity (5)

[20]

QUESTION 3

3.1
- Dura mater
- Arachnoid mater
- Pia mater (3)

3.2
- Heredity
- Environment
- Love
- Parenting
- Stimulation (5)

3.3
A – Deltoid
B – Rectus abdominis
C – Trapezius
D – Pectoralis/pectoralis major
E – Biceps
F – Sartorius
G – Quadriceps/rectus femoris (7)

3.4
- It is a cost-effective way to protect children and develop immunity.
- It helps the baby develop immunity without having to get the disease.
- It reduces morbidity/illness.
- It reduces mortality/death.
- It protects others/future generations.
- Vaccinated children are likely to miss fewer school days due to illness.
- It saves both time and money in the future. (Any relevant 5 × 1) (5)

[20]

QUESTION 4

4.1 Four stages (1)

4.2 Acquired immune deficiency syndrome (2)

4.3
- Syphilis
- Gonorrhoea
- Chlamydia
- Trichomoniasis
- Scabies
- Pubic lice (Any 2 × 1) (2)

4.4
- HIV/AIDS
- Herpes
- Genital warts
- HPV
- HBV
- HCV (Any 3 × 1) (3)

4.5
- Call for help/make sure a doctor is coming.
- Keep injuries in mind and handle the patient with care.
- Place the patient on his/her back and elevate his/her legs if it will not aggravate an injury.
- Stop/Control obvious bleeding.
- Do not give the patient anything to eat or drink.
- Loosen tight clothing.
- Turn the patient on his/her side if vomiting or bleeding from the mouth.
- Cover the patient with a blanket.
- Reassure/Pacify and comfort the patient.
- Take note of vital signs/breathing, pulse and level of response.
- Stay with the patient until help arrives. (Any relevant 7 × 1) (7)

4.6
- Being elderly/over the age of 65 years
- Having poor health/disease
- Having any infection or symptoms within the last seven days
- Drug use
- Having had major surgery within the past six months
- Having scheduled major surgery within the following six weeks
- Pregnancy
- Breastfeeding
- Having travelled to a malaria area within the past month
- Having had a new sexual partner within the past six months
- Having multiple sexual partners
- Using certain medications (Any relevant 5 × 1) (5)

[20]

QUESTION 5

5.1
- Ovaries
- Fallopian tubes
- Uterus
- Cervix
- Vagina (Any 4 × 1) (4)

5.2
- Support
- Movement
- Protection
- Production of blood cells
- Storage of minerals
- Endocrine regulation (Any 4 × 1) (4)

5.3
- Patient clutches chest or complains about severe chest pain or feeling of indigestion
- Patient experiences discomfort in the jaw or neck area
- Patient gasps for air or seems short of breath
- Patient looks fearful
- Pale, grey, clammy or sweaty skin
- Rapid, weak or irregular pulse
- Patient reports dizziness or feeling faint
- Patient collapses
- Loss of consciousness (Any relevant 7 × 1) (7)

5.4
- Lack of access to contraceptive methods
- Lack of knowledge or erroneous beliefs regarding sex, reproduction or the use of contraceptives
- Inconsistent/Incorrect use of contraceptives
- Contraceptive failure
- Birth control sabotage
- Sexual abuse/rape
- Substance use/abuse (drugs/alcohol) (Any relevant 5 × 1) (5)

[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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