higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

MEDICAL PRACTICE N5
(First Paper)

25 NOVEMBER 2019

This marking guideline consists of 6 pages.

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SECTION A

QUESTION 1

1.1	1.1.1	transparent yellow		
	1.1.2	colourless		
	1.1.3	dark orange		
	1.1.4	cloudy		
	1.1.5	antiseptics		
	1.1.6	lancets		
	1.1.7	cutting		
	1.1.8	anaesthetics		
	1.1.9	tuberculosis		
	1.1.10	angiograms	(10 × 2)	(20)
1.2	1.2.1	True		
	1.2.2	True		
	1.2.3	False		
	1.2.4	True		
	1.2.5	False		
	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
- IgA
- IgD
- IgE
- IgG
- IgM

(Any 2 × 1) (2)

2.2
- Subcutaneous
- Intracutaneous/Intradermal
- Intramuscular
- Intravenous
- Intra-articular

(5)

2.3
- Assess the scene for safety, check whether the person is in any danger.
- Create a safe environment if necessary.
- Check the responsiveness of the person by tapping and loudly asking 'Are you okay?'
- Direct a specific bystander to call for help.
- Check/Open the airway.
- Check breathing.
- Check circulation.
- Apply CPR if needed.
- If the person is breathing, put him/her in the recovery position on his/her side until help arrives, allowing fluid to drain from the mouth.
- Stop serious bleeding if possible, taking necessary precautions.
- Do not move the person if a spinal injury is suspected.
- Do not leave the person alone.
- Stay until help arrives. (Any relevant 8 × 1) (8)

2.4
- The nature of the procedure
- The purpose of the procedure
- Possible alternative treatments
- Risks involved
- Possible consequences and complications (5)

[20]

QUESTION 3

3.1
- The date of the first consultation/examination
- The date on which the patient was booked off from work/school
- The date on which the patient should be fit to resume work/school
- The date of issue of the certificate (Any 3 × 1) (3)

3.2
- Blood
- Urine
- Stool
- Saliva/Sputum
- Semen
- Cells/Tissue
- Cerebrospinal fluid
- Bone marrow (Any relevant 4 × 1) (4)

3.3 3.3.1 Venipuncture (2)

3.3.2
- Assists only
- Prepares any equipment/materials that will be needed, such as cotton wool, test tubes, laboratory forms, etc.
- Fills in the routine identification documentation
- Ensures that the correct test tube is used
- Labels accurately, clearly, and neatly
- Ensures that there is good communication between the doctor and patient
- Preserves and sends specimens to the laboratory as soon as possible
- Ensures that the test tube and laboratory forms match

(Any 6 × 1) (6)

3.4
- Prevent disease
- Diagnose disease
- Manage disease
- Monitor disease
- Treat/Cure disease
- Reduce healthcare costs in the long run by preventing complications

(Any relevant 5 × 1) (5)
[20]

QUESTION 4

4.1
- Temple (superficial temporal artery)
- Neck (carotid artery)
- Inside the elbow (brachial artery)
- Wrist (radial artery)
- Groin (femoral artery)
- Behind the knee (popliteal artery)
- Near the ankle joint (posterior tibial artery)
- On the foot (dorsalis pedis artery) (Any 7 × 1) (7)

4.2
- Broad-spectrum effectiveness against both gram-positive and gram-negative bacteria as well as fungi
- Effective at normal temperatures
- Active in presence of organic matter
- Compatible with chemicals encountered
- Surface compatibility/Will not damage surfaces
- Effective at low concentrates
- Nontoxic to both humans and animals
- Soluble in water
- Stable in concentrate and dilution
- Good cleaning properties
- Environmentally friendly
- Nonirritating to skin
- Fast-acting
- Long-acting
- Easy to use with clear instructions
- Affordable/Economical
- Pleasant odour or no odour (Any 8 × 1) (8)

4.3
- When a quick effect is required
- When a local reaction is required
- When a patient cannot take medication in any other way due to his/her condition
- When the particular medication cannot be administered in any other way due to its nature
- When the effect of the medication would be destroyed by the digestive process (Any relevant 5 × 1) (5)

[20]

QUESTION 5

5.1
- Scissors
- Forceps
- Needle holder
- Disinfectant
- Blades
- Suture material
- Sterile dressings/bandages
- Sterile cotton wool
- Sterile swabs
- Drip
- Local anaesthetic
- Syringe
- Thin needles
- Kidney dishes
- Basin (Any relevant 3 × 1) (3)

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5.2
- Ear
- Mouth
- Armpit
- Rectum
- Vagina (Any 4 × 1) (4)

5.3
- Skin
- Tears
- Mucous
- Cilia
- Stomach acid
- Mucous membranes
- Urine flow
- Acidic pH of vagina
- Natural flora/bacteria

Also allocate marks if students give:
- Physical barriers
- Chemical barriers
- Microbial barriers (Any relevant 8 × 1) (8)

5.4
- Good communication and ability to listen
- Mutual respect
- Empathy from the doctor
- Mutual trust
- Professional boundaries
- Rapport (Any relevant 5 × 1) (5)

[20]

TOTAL SECTION B: 60
GRAND TOTAL: 100

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