

### THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain Reg No 1955/000003/08

# Primary Examination for the Fellowship of the College of Maxillofacial and Oral Surgeons of South Africa

### 29 January 2019

Paper 2 Physiology

All questions to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

וטו נ	ne one	answer)	
2	a) b)	Compare and contrast the autonomic and somatic nervous systems. Using a flow diagram explain the primary reflex pathway for homeostatic copressure.	(15) ontrol of blood (15) [30]
3	Wri a) b) c) d)	te descriptive notes on the following Functions of plasma proteins. The metabolic effects of cortisol. Regulation of thyroid hormone secretion. Afferent pain fibres.	(5) (8) (12) (10) [35]
4	a) b)	Discuss the role of platelets in haemostasis.  Describe the functions of lymphocytes in body protection.	(17) (18) [35]



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30 January 2019

Paper 3 Principles of Pathology including Microbiology (3 hours)

All questions to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

1 a) Tabulate the features that enable distinction between necrosis and apoptosis using the following features (6)

Feature	Necrosis	Apoptosis
Cell size		
Nucleus		
Plasma membrane		
Cellular contents		
Inflammation		
Role		

		Role			
	b)	<ul><li>i) Define metastatic calc</li><li>ii) Causes of metastatic c</li></ul>			(1) (4) (2)
	c)	Regarding chronic inflamma i) Define chronic inflamm ii) List three (3) causes o	ation	ame an example of each.	(2) (3) (4)
	d)	,	nmation and give two examp		(3) [25]
2	a) b) c)	List the causes of shock.	nat can delay healing of a wo		(10) (4) (11) [25]
3	a) b) c) d)	to each virus.		•	(4) (8) (10) (3)

[25]

4	a)	Discuss the aetiology of type I and type II Diabetes mellitus.	(5)	
	b)	Discuss the complications of Diabetes mellitus.		
	c)	Name the risk factors of atherosclerosis under the following headings		
	,	i) Fixed risk factors.	(3)	
		ii) Modifiable / environmental risk factors.	(3)	
		iii) Diseases associated with higher risk to develop atherosclerosis.	(4)	
		,	[ <u>2</u> 5]	