BACHELOR OF MEDICAL LABORATORY SCIENCES - LEVEL 03 MLU1247-GENERAL MICROBIOLOGY FINAL EXAMINATION - 2018/19

	INDEX NO:
	Part B –Short Answer Questions
	[40marks]
	Write answers in the space provided.
1.	(a) Name the two (02) main groups which can be separated by using the Gram's staining techniques
	·
	[02 marks]
	(b) On what basis it can be separated into groups as mentioned in (a). Explain.
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[04 marks]

(c) Name a differential staining technique used for the identification of microorganisms which doesn't stain by Gram's staining method.
[02 marks
(d) Write the steps involved in the technique mentioned in (c).
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[02 marks]
2. (a) Name a medium which could be used for the isolation of (i) bacteria and (ii) fungi in the laboratory.
[02 marks]

(b) (i) Name four (04) different type of tests/techniques used in identification of bacteria from an environmental sample.
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[04 mark
(1) TILL I will alice an ideas do be the most professed method to confirm a
(ii) Which method is considered to be the most preferred method to confirm a bacterial species. Why?
bacterial species. Willy
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[01 mar
Give the steps involved in identifying the bacteria using the above method
mentioned in (b) (ii).
[02 mar]

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(b)) V	What	types	of re	prod	uctio	n oci	cur in	fime	i? Bri	efly e	xplain			
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(c) What is meant by the term "Fruiting Bodies"?	•
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	[02 marks]
(d) "Lichens are formed through symbiotic relationship".	Explain.
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	[02 markel

	Write four (04) important guidelines related to health and safety that should be followed in a microbiology laboratory.
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	[02 marks
(b)]	Name four (04) groups of hazards found in laboratory workplaces.
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	[02 marks]
(c) I	ist six (06) safe work practices to prevent injury and accidents.
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	[02 maulza]

(d) Give three (03) factors considered when selecting the biological safe	ty cabinet.								
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	[03 marks]								
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Part C – Essay Questions									
(30 marks)									
1. (a) Describe briefly the industrial uses of fungi.	[8 marks]								
(b) Discuss the steps involved in the lytic cycle of the viral replication.	[7 marks]								
2. Describe the procedures involved in handling of microbial cultures which practices in a microbiology laboratory									
	[15 marks]								