Third Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023 APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING SAFETY

EE900030001755201

Total Durat	tion : S	ection A + B + C = 3 Hours Section A Marks : 13				
		SECTION - A				
Instructions:		Use black ball point pen only.				
	e traile	2) Each question carries one mark.				
	a yarı. Kalipa Ja	Rough work should be done only on the Blank Space provided on the question paper booklet. If the rough work done is found else where other than the space provided on question paper or anywhere on answerbook such an act will be treated as an attempt to resort to Unfair means.				
1. Mult	tiple (ing there teeds are a province eldeliness confirm more terrors. The included appears the first state of months are more than the second and the second appears the second and the second are second as the second and the second are second as the sec				
		Choice Questions: [13×1=13] V infected patient Pneumonia is caused by				
		Pneumocystic carini b) Streptococcus Pneumoniae				
The war for a sail		Mycobacterium Tuberculli d) Staphylococcus				
		should you dry your hands?				
at more freds		n a circular motion covering all areas of the hands and wrists.				
		Ory your hands thoroughly				
		Wrists to finger tips in one direction				
		ightly pat and allow hands to air dry				
	100	olour Code of plastic bag for disposing of microbial laboratory				
LEVELY, Affects.	cultur	e waste				
	a) I	Black b) Red				
	c) I	Blue d) White				
4)	Which of the following does not require hand washing?					
	a) E	Before Invasive procedure				
add tree.	b) I	Before and after touching wounds				
77. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	c) 7	Taking Blood Pressure				
HINCHE IN IS	d) A	After touching contaminated objects				
	. 1-4					

What are the steps to take if you are exposed to blood or other infectious material?								
a)	Needle Sticks or sharps injuries should be immediately washed with soap and water							
b)	Irrigate eyes with an eye wash for 10 to 15 min a lo villook (1)							
c)	Report to incident to your supervisor and seek immediate medical treatment							
d)-	All of the above							
Sterilization by formaldehyde gas (50 cc formalin — 25g KMno4 per 100 Cu. Ft. Space is not done in one of the following.								
a)	Rubber, plastic disposable, goods, disposables syringes, adhesive dressings etc.							
b)	Operation Theatre and additionable and additional additional and additional and additional and additional additiona							
c)	Wards and laboratory							
d)	Woollen Blankets, wool and Hides.							
Whi	Which cell are most infected by HIV most often?							
a)	Null cell b) B Cell							
c)	CD8+ cell lymphocytes d) CD4+ T lymphocytes							
Glu	Glutaraldehyde is example of							
_a)	High level disinfectant b) Low level disinfectant							
c)	Intermediate disinfectant d) None							
Kop	oplik's spot are characteristics of which of the following infection?							
a)	Mumps b) Measles							
c)	Herpes d) Rubella							
Pneumococcal antigen in CSF can be detected by								
a)	Conglutination							
b)	Latex agglutination							
c)	Counter immune electrophoresis							
d)_	All of the above							
	mate a) b) c) d) Steriloo a) b) c) d) Whi a) c) Kop a) c) Pne a) b) c)							

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1 1 - 1					M-118				
11)	IgA	IgA protects the following system of the human body							
	a)	Body fluids	b)	Blood stream					
THE WAY	c)	Body surface	d)	All the above					
12)	Mot	ility of spirochetes is by		re risks to to state and					
leuib	a)	Flagella		Pillish and as hage har to					
	c)	Fimbriae	d)	Endoflagella					
13)	Toxi	ins, ascetic fluid, serum, sugar ch of the following methods?	and	antibiotic colutions	rilized by				
ध रोहरू	a)			एक्टी और-और उपतिकेंद्र (ह)	5				
1	b)	Filteration by Seitz filter/cham	berla	nd filter/membrane filter					
	c)	Tyndallisation		C1 Words and inhorator					
	d)	Autoclaving (121 Degree Cels	sius f	or 15min)					
			(c) Del	odini nom sur lleg beid 77					
		(d_)		. Nother to					

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SPACE FOR ROUGH WORK

es (D8 - : 8/1 tyraphocytes - - d) - Cl (4+ T lymphocytes

[Total No. of Pages : 2

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Total Duration: Section A + B + C = 3 Hours

Section B & C Marks :62

SECTION - B & SECTION-C

Instructions: 1)

- 1) Use black ball point pen only.
- 2) Do not write anything on the blank portion of the question paper.

 If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) All questions are compulsory.
- 4) The number to the right indicates full marks.
- 5) Draw diagrams wherever necessary.
- Oistribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answerbook for section B & C.

SECTION-B

(Applied Microbiology)

2. Essay

Define Immunity, describe in detail the different level of immunity among the living Organisms. Write down the types & Classification of Immunity in details.

3. Short Notes:

[3×5=15]

- a) Define Hypersensitivity and describe the anaphylactic type.
- b) Describe in brief about Widal Test.
- c) Write down the Nursing intervention in vector-borne diseases control.

4. Very Short Notes:

 $[3 \times 2 = 6]$

- a) Details about Yeast cell
- b) Describe Bacterial Growth Curve
- c) Describe Classification of specimen

SECTION-C

(Infection Control Including Safety)

5. Essay $[1 \times 10 = 10]$

Define Sterilization and Disinfection. Write 4 characteristics of an ideal disinfectant. Write a note on the Autoclave as a method of sterilization.

Short Notes: 6.

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[3×5=15]

- Define Nosocomial Infection. Describe various nosocomial infections with measures of prevention of infection.
- Describe Universal safety Precautions. b)
- What is Antibiotic Stewardship? Explain its importance in health care c) settings.

7. Very Short Notes:

 $[3 \times 2 = 6]$

- a) Write down the Principles of Specimen Collection.
- Describe briefly about 55 safety protocol? b)
- Enlist the steps of Hand Hygiene. c)





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