THE MANUAL AND SHOP	Roll No.	Answer Sheet No	8
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### OPERATION THEATRE TECHNIQUES HSSC-I

# SECTION -- A (Marks 20)

Time	allowe	od.	25	Minutes
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OTE:	- Sec	tion-A	5 Minutes is compulsory and comprises pag- paper itself. It should be comple perintendent. Deleting/overwriting i	eted in the	e first 25 minutes and handed	over	to t	he he
. 1	Circle	Circle the correct option i.e. A / B / C / D. Each part carries one mark.						
	(i)	Closti	ridium Tetani is					
		A.	Gram negative rod	B.	Gram negative cocci			
		C.	Gram positive rod	D.	Gram positive cocci			
	(ii)	Which	n of the following Bacteria do not have	e cell wall?				
		A.	E. Coli	B.	Mycoplasma			
		C.	Streptococcus	D.	Hepatitis C virus			
	(iii)	Which	n of the following statements is FALS	E regarding	Endotoxin?			
		A.	Integral part of cell wall					
		B.	Toxin produced by gram negative	bacteria				
		C.	Endotoxins are polypeptides					
		D.	Toxicity of Endotoxins is low as co	mpared to I	Exotoxins			
	(iv)	Gas (	Gangrene is caused by					
		A.	Clostridium Tetani	B.	Clostridium Botulinum			
		C.	Clostridium Perfringes	D.	Clostridium Difficile			
	(v)	Which bacteria is the most common cause of surgical site infection?						
		A.	E.Coli	B.	Clostridium			
		C.	Neisseria Gonorrhea	D.	Staphlococcus Aureus			
	(vi)	Tuber	rculosis is caused by					
		A.	Mycobacterium Anthracic	В.	Mycobacterium tuberculosis			
		C.	Mycobacterium Avium	D.	All of these			
	(vii)	Malar	ia is caused by					
		A.	Virus	B.	Bacteria			
		C.	Protozoa	D.	Chlamydiae			
	(viii)	Sterili	zation kills					
		A.	All bacteria including spores	B.	All organisms including spores			
		C.	Spores only	D.	Viruses only			
	(ix)	Bleeding in a patient undergoing surgery is controlled by						
		A.	Diathermy	В.	Cardiac monitor			
		C.	Defibrillator	D.	All of these			
	(x)							
	1000	A.	Vaporizer	В.	Cardiac monitor			
		C.	Diathermy	D.	Pulse oximeter			
	(xi)	Which	n of the following solutions is commor	nly used for	scrubbing?			
		Α.	Soap solution	В.	Dettol solution			
		C.	Povidine Iodine	D.	Baby shampoo			

### DO NOT WRITE ANYTHING HERE

	A.	T. Lymphocytes	B.	B. Lymphocytes			
	C.	Intact skin	D.				
xiii)		Which of the following organisms causes Anaemia in children?					
estitio.	Α.	E.Coli	В.	Proteus			
	C.	Hook worm	D.	Tenia coli			
xiv)	Autoclave usesfor sterilization.						
	A.	Boiled water	В.	Radiation			
	C.	Steam	D.	Vibrations			
xv)	Which of the following gas is used for sterilization?						
	A.	Ethylene oxide	В.	Formaldehyde			
	C.	Glutareldehyde	D.	Chlorine			
xvi)	Sterilization in Autoclave is achieved by using						
	A.	125° C for 1 minute	В.	$121^{\circ}C$ for 15 minute			
	C.	160°C for 1 hour	D.	$100^{\circ}C$ for 15 minute			
(xvii)	Which of the following types of Hepatitis spreads by blood borne route?						
	A.	Hepatitis A	В.	Hepatitis E			
	C.	Hepatitis C	D.	HIV			
xviii)	Which infusion is used commonly in a patient with severe diarrhoea?						
	A.	5% Dextrose water	В.	10% Dextrose water			
	C.	Ringer lactate	D.	Blood			
xix)	AIDS	is caused by					
	A.	Virus	B.	Bacteria			
	C.	Protozoa	D.	Nematoda			
xx)	Tetar	nus is caused by	_				
	A.	Virus	В.	Bacteria			
	C.	Anerobic virus	D.	Fungi			
or Ex	amine	er's use only:					
		La high properties of	Tota	I Marks:	20		
				s Obtained:			





#### OPERATION THEATRE TECHNIQUES HSSC-I

Time allowed: 2:35 Hours Total Marks Sections B and C: 80

NOTE:- Answer any twenty five parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

#### SECTION - B (Marks 50)

#### Q. 2 Attempt any TWENTY FIVE parts. The answer to each part should not exceed 2 to 4 lines. (25 x 2 = 50)

- (i) What is the role of vaporizer in Anesthesia machine?
- (ii) What is Dry heat sterilization?
- (iii) What are the types of O.T. Lights?
- (iv) What is Cross matching of blood? Why is it done?
- (v) Write down the functions of Cardiac monitor.
- (vi) Write a short note on Acquired immunity.
- (vii) List the diseases caused by Protozoa.
- (viii) Write down the role of Formaldehyde as Disinfectant.
- (ix) Draw a diagram of Pancreas.
- (x) What are the radiations used for Sterilization?
- (xi) Write down the structure of pectoral girdle.
- (xii) What is Pulse oximetre? Also write down its role.
- (xiii) List the diseases caused by Staphylococcus Aureus.
- (xiv) Write down the various types of Intestinal worms in humans.
- (xv) Write a short note on Scrubbing.
- (xvi) Classify virus. Also give examples.
- (xvii) Briefly describe the Ribcage.
- (xviii) Write a short note on Gas Gangrene.
- (xix) Draw and label Bacteria.

Note:

- (xx) Write down four modes of spread of Hepatitis B.
- (xxi) Write down the commonly used Infusions.
- (xxii) What are the fungal diseases in relation to operation theatre?
- (xxiii) What is Drapping? How is it done?
- (xxiv) Write down four diseases caused by Streptococcus.
- (xxv) Name four bacteria most commonly causing food poisoning.
- (xxvi) What are Exotoxins? Write down their features.
- (xxvii) What are Endotoxins? Give their features.
- (xxviii) Name four bacteria causing Pneumonia.
- (xxix) How will you give first aid to a patient who has met a Road traffic accident?
- (xxx) What is Bacterial capsule? Write down its properties.
- (xxxi) What is Pili of a bacteria? Write down its properties.

# SECTION -- C (Marks 30) Attempt any TWO questions. All questions carry equal marks.

 $(2 \times 15 = 30)$ 

- Q 3. What is Autoclave? What are its main parts? Also write its working principle.
- Q 4. What is Surgical Diathermy? Describe structure, working and precautions of Diathermy machine.
- Q 5. Name Clostridium species. What are the diseases caused by each? Write down about Tetanus.