

MEDICAL

[MBBS 0325] **MARCH 2025 Sub. Code :6065**

M.B.B.S. DEGREE EXAMINATIONS

(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – SUPPLEMENTARY - (CBME) PAPER I – MICROBIOLOGY

Q.P. Code: 526065

Time: 20 Minutes Maximum: 20 Marks

Answer All Questions

Shade the correct answer with Black of Blue ink ball point pen

SET - C

III. Multiple Choice (Duestions:	$(20 \times 1 = 20)$
111. Munipic Choice v	Zucstions.	(20 A I - 20)

1. What is the role of regulatory T cells (Tregs)?

A) Activation of B cells B) Cytokine production

C) Suppression of the immune response D) Phagocytosis

2. The phenomenon of 'immune surveillance' is primarily associated with:

B) Detection of cancer cells A) Detection of pathogens

C) Detection of allergens D) Detection of self-antigens

3. Which of the following statements about interferons is true?

A) They activate B cells

B) They are involved in allergic responses

C) They have antiviral properties

D) They are components of the complement system

4. All of the above can be given for the Treatment of MRSA, Except

A) Vancomycin B) Linezolid C) Cotrimoxazole

5. The toxin produced by Clostridium perfringens that causes muscle necrosis is:

B) Alpha toxin

C) Botulinum toxin

6. Which of the following is the most common cause of Tinea capitis?

A) Trichophyton rubrum B) Trichophyton tonsurans

C) Microsporum canis D) Epidermophyton floccosum

7. Black Piedra is caused by:

A) Tetanospasmin

A) Trichosporon species B) Piedraia hortae

C) Malassezia furfur D) Candida albicans

8. Which stain is used for visualizing fungi in tissue samples?

B) Giemsa stain A) Gram stain

C) Periodic acid-Schiff (PAS) stain D) Wright's stain

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D) Meropenem

D) Exotoxin A



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9.	Dermatophytes invade which A) Subcutaneous tissue	D. D. I.	cin? C) Dermis	D) Hypodormic		
	A) Subcutaneous tissue	b) Epiderillis	C) Definis	D) Hypodermis		
10.	0. Which of the following is a non-enveloped virus?					
A) Hepatitis C virus B) Influenza virus						
	C) Human Papillomavirus (HPV)	D) Herpes Simplex Virus			
11.	Hospital-acquired infections are defined as infections: A) Present at the time of hospital admission B) Acquired 48 hours or more after hospital admission C) Acquired from food consumed in the hospital D) Transmitted through blood transfusions only					
12.	 2. Which of the following strategies can reduce the risk of catheter-associated bloodstream infections (CABIs)? A) Frequent use of antibiotics B) Changing catheters every few days unnecessarily C) Using aseptic technique during catheter insertion D) Reusing catheters 					
13. A positive Tuberculin test is an example of						
	A) Type I Hypersensitivity	1	B) Type II Hyperser	nsitivity		
	C) Type III Hypersensitivity	y	D) Type IV Hyperse	•		
			CO.			
14.	 14. All are Heterophile Agglutination Test, Except A) Weil Felix test B) Paul Bunnel Test C) Cold agglutinin Test D) VDRL test 					
15	Endoscopes are sterilized by	2.0				
10.	1	ormaldehyde	C) Autoclaving	D) Hot air oven		
16	The process by which bacter	ria exchange ge	netic material via a ni	lus is called:		
10.	A) Transformation B)	0 0	C) Conjugation	D) Binary fission		
17.	7. Which of the following bacterial components is responsible for the formation of biofilms?					
	A) Cell wall B) C	Capsule	C) Plasmid	D) Flagella		
18.	18. The term "bactericidal" refers to:					
A) Inhibition of bacterial growth B) Killing of bacteria			ia			
	C) Reduction in bacterial virulence D) Stimulation of bacterial replication					
19.	Bacteria that can grow at ter	nperatures betw	een 45°C and 80°C a	re called:		
	A) Psychrophiles B) Mesophiles C) Thermophiles D) Halophiles					
20.). Which cytokine is primarily responsible for the differentiation of naive T cells into Th1 cells?					
	A) IL 4 B) II	-6	C) IL 12	D) IL-10		
