

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	Time: 20 Minutes Answer All Questions Maximum: 20 Marks					
Shade the correct answer with Black of Blue ink ball point pen						
<u>SET - B</u>						
III. M	Iultiple Choice Quest	ions:		$(20 \times 1 = 20)$		
1.	The term "bactericidal" refers to:					
	A) Inhibition of bacterial growth B) Killing of			l		
	C) Reduction in bacter	rial virulence	D) Stimulation of bac	cterial replication		
2.	Bacteria that can grow at temperatures between 45°C and 80°C are called:					
	A) Psychrophiles	B) Mesophiles	C) Thermophiles	D) Halophiles		
3.	Which cytokine is primarily responsible for the differentiation of naive T cells i Th1 cells?					
		B) IL-6	C) IL-12	D) IL-10		
	11) 12 1	2) 12 0	COT 12	2)1210		
4. 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						
5.	The phenomenon of 'in	nmune surveillance'	is primarily associated	with:		
	A) Detection of pathog			Detection of cancer cells		
	C) Detection of allerge	ens D) Detection of self-anti	gens		
6						
6.	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					
7.	All of the above can be given for the Treatment of MRSA, Except					
	A) Vancomycin	B) Linezolid	C) Cotrimoxazole	D) Meropenem		
o	The towin meduced by	Clastridina marfair	gans that sources mussle	naarosis is:		
8.	The toxin produced by A) Tetanospasmin	B) Alpha toxin	gens that causes muscle C) Botulinum toxin	e necrosis is: D) Exotoxin A		
	11, Tetanospasinin	D) Tupia toxiii	C) Dotainium toxiii	D) LAGIOAIII A		

B) Trichophyton tonsurans

D) Epidermophyton floccosum

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

A) Trichophyton rubrum

C) Microsporum canis



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10. Black Piedra is caused by:						
A) Trichosporon species	B) Piedraia hortae					
C) Malassezia furfur	D) Candida albicans					
11. Which stain is used for visualizing fu	ungi in tissue samples?					
A) Gram stain	B) Giemsa stain					
C) Periodic acid-Schiff (PAS) stain	D) Wright's stain					
	, 8					
12. Dermatophytes invade which layer o	of the skin?					
A) Subcutaneous tissue B) Epic		odermis				
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13. Which of the following is a non-enve	eloped virus?					
A) Hepatitis C virus	B) Influenza virus					
C) Human Papillomavirus (HPV)	D) Herpes Simplex Virus					
C) Human Lupinomuvirus (Hi V)	D) Helpes Shiplex Vitus					
14. Hospital-acquired infections are defi	ned 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	-					
D) Transmitted through blood transf	rusions only					
15 777 1 6 1 6 1						
15. Which of the following strategies	es 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						
16. A positive Tuberculin test is an exam	iple of					
A) Type I Hypersensitivity	B) Type II Hypersensitivity					
C) Type III Hypersensitivity	D) Type IV Hypersensitivity					
<i>M</i> .	, 11					
17. All are Heterophile Agglutination Te	est, Except					
A) Weil Felix test B) Paul Bunnel	_	VDRL test				
,	,					
18. Endoscopes are sterilized by						
A) Glutaraldehyde B) Formaldel	hyde C) Autoclaving D) Hot air	oven				
11) Glatarardenyae B) I ominaraen	Tracocia ving Dy Flot un	oven				
19. The process by which bacteria excha	inge genetic material via a pilus is called	d:				
A) Transformation B) Transduc	ction C) Conjugation D) Bina	ry fission				
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20. Which of the following bacterial components is responsible for the formation of						
biofilms?						
A) Cell wall B) Capsule	C) Plasmid D) Flage	lla				

	[IVI	BBS 0325]				

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