

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0822]

AUGUST 2022

Sub. Code: 6063

M.B.B.S. DEGREE EXAMINATION

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

SECOND YEAR – SUPPLEMENTARY (CBME) PAPER V - PATHOLOGY - I

Q.P. Code: 526063

Time: 30 Minutes Maximum: 20 Marks

Answer All Questions Choose one correct answer in the box provided in the Answer Script. No overwriting should be done.						
	Iultiple Choice Quest	$(20 \times 1 = 20)$				
1.	Damage to nuclear DNA triggers this pathway					
	a. WNT signalling	b. P53	c. AKT signalling	d. Ubiquitin		
2.	Atrophy is decreased protein synthesis due to					
	a. Ubiquitin proteosome pathway b. WNT signalling			ing		
	c. AKT pathway		d. P53	-		
3.	Neutrophil extracellular traps are mainly produced by					
	a. Chemical carcino	gens	b. Infectious pathogen	S		
	c. Parasites		d. Radiation insult			
			21.			
4.	The most important cytokine for synthesis of connective tissue proteins is					
	a. MMPs	b. VEGF	c. TGF-β	d. IL-1		
		.2-0				
5.	Heparin induced Thrombocytopenia syndrome is due to administration of					
	a. Unfractionated Heparin b. Fractionated Heparin					
	c. LMW Heparin		d. Thrombin			
			4. 111101110111			
6.	Which of these diseases listed is a X-Linked disorder					
٠.	a. Tay sach's disease b. Duchenne muscular			ılar dystrophy		
	c. Cystic fibrosis		d. Haemophilia A	nai aysaophy		
	c. Cystic Holosis		u. Hacinopiina A			
7.	Familial hypercholesterolemia is caused by mutations in the gene encoding the receptor for					
	a. HDL	b. VLDL	c. LDL	d. Chylomicrons		
8.	FISH uses one of the following probes for recognising sequences in a chromosomal region					
	a. RNA	b. DNA	c. CGH Probes	d. SNP Probes		
9.	Class II MHC presen	t antigens deriv	ved from			

b. Intracellular microbes

d. Tumour antigens

a. Extracellular microbes

c. Cytoplasmic proteins

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10. In	Acute antibody mediated Rejection	antibodies bind to				
a.	CD3+ cells	b. CD2+ cells				
c.	Vascular endothelium	d. Tissue epithelium				
11. Tł	ne direct cytopathic effect of the rep	licating HIV results in				
a.	Loss of CD8+ cells	b. Loss of CD4+ cells				
c.	Raised CD4+ cells	d. Raised CD8+ cells				
12. A	sentinel lymph node is defined as					
a.	 a. First node in a regional lymphatic basin receiving lymph flow from the primary tumour b. First node in another regional lymphatic basin receiving lymph flow from the primary tumour c. Second node in a regional lymphatic basin receiving lymph flow from the primary tumour 					
b.						
C.						
d.	Second node in another regional primary tumour	lymphatic basin receivin	g lymph flow from the			
13. Tł	ne downstream pathway components	s of RAS in cancer cells in	nclude			
a.	WNT b. NOTCH	c. MAPK	d. INK			
14. Tł	ne UV portion of the solar spectrum					
a.	UVA b. UVB	c. UVC	d. Ozone portion			
15. EI	BV is associated with	8.				
a.	X-Linked agammaglobulinemia	b. Nasopharyngea	al carcinoma			
C.	Leukemia	d. Melanomas				
16. Tł	ne novel covid-19 virus is					
	SARS-CoV-1 b. SARS-CoV	V-2 c. SARS-CoV-3	d. SARS-CoV-4			
17. M	eyers-kouwenaar bodies are seen in					
	Malaria b. Filaria	c. Leishmania	d. Taenia			
18. The photochemical reaction for the endogenous production of 7-dehydrocholest requires solar UV Light in the range of						
	290-315nm b. 320-360nm		d. 410-425nm			
19. Tł	ne commonest age group of children	affected by Teratoma is				
a.	0-4 yrs b. 5-9 yrs	c. 10-14 yrs	d. 12-14yrs			
20. Tł	ne diagnosis of AML requires atleas	t				
	50% blasts in bone marrow	b. 40% blasts in bon	e marrow			
c.	30% blasts in bone marrow	d. 20% blasts in bon	d. 20% blasts in bone marrow.			
