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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY [MBBS 0524] **MAY 2024 Sub. Code: 6064**

M.B.B.S. DEGREE EXAMINATION

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

SECOND PROFESSIONAL – SUPPLEMENTARY (CBME)				
		ATHOLOGY		
Q.P. Code: 526064				
Time	: 20 Minutes Answer All	Questions N	Maximum : 20 Marks	
Choose one correct answer in the box provided in the Answer Script. No overwriting should be done. <u>Choice should be given in Capital Letters.</u>				
III. Multiple Choice Questions: $(20 \times 1 = 20)$				
1.	Post MI day 10 which enzyme is raised A) CPK B) Troponin	C) LDH	D) Myoglobin	
2.	Which valve is most commonly involve A) Mitral valve B) Tricuspid va	•		
3.	Most commonly affected age group in a A) 15-25 years B) 25-35 years		s D) 35-45years	
4.	A 50 year old man presents to emerge Physician suspects coronary patholog atherosclerotic involvement of left a Which of the following provides components of atherosclerotic plaques? A) Neutrophils B) Eosinophi	y. Coronary arteriogranterior descending a major proliferative st	raphy shows significant and circumflex arteries.	
5.	Endoscopic biopsy shows intraepithelia A) Celiac disease B) Viral enterit			
6.	Angiodysplasia is most commonly seen in which part of colon A) Cecum B) Transverse colon C) Sigmoid colon D) Rectum			
 7. A 20-year-old man is healthy but has a family history of colon cancer. He undergoes colonoscopy and there are over 200 tubular adenomas ranging in size from 0.2 to 1 cm on gross inspection. Which of the following genetic diseases is he most likely to have? A) Hereditary non-polyposis colon carcinoma syndrome B) PTEN-associated syndrome C) Peutz-Jeghers syndrome D) Adenomatous polyposis coli 				
8.	 8. A 25-year-old male presented with intermittent cramping abdominal pain, fever and low-volume diarrhea. A colonoscopy reveals mucosal edema and patchy ulceration in the ascending colon. Which of the following serological marker is positive in this case? A) Perinuclear anti neutrophil cytoplasmic antibodies B) Anti endomysial antibodies C) Anti-Saccharomyces cerevisiae antibodies D) Anti smooth muscle antibody 			
9.	A patient with an elevated serum alpmass. The mass has the following (4 or more cells) cords/plates, occasion and necrosis. Which is the MOST LIKI A) Hepatocellular adenoma C) Focal nodular hyperplasia	features: crowded on all mitoses, an absence	cells growing in thick ce of normal bile ducts,	



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10. On reviewing a liver biopsy specimen, the following features are identified: steatosis, Mallory bodies, and acute inflammation. Which of the following is the MOST LIKELY diagnosis?			
A) Primary biliary cirrhosis B) Acetaminophen overdose C) Herpetic hepatitis D) Alcohol-related liver disease			
 11. Which of the following statements BEST DESCRIBES genetic hemochromatosis? A) Iron deficiency anemia develops from a mutation in the HFE gene B) It is an autosomal dominant disorder that can lead to iron overload in the liver and other organs C) Patients homozygous for a mutant HFE allele absorb excessive quantities of iron from the diet D) Women typically manifest the disease earlier than men, who are protected by higher androgen levels 			
 12. Impaired hepatic blood flow in veno-occlusive disease is due to: A) Thrombosis of the major hepatic veins B) Nodular regeneration of the parenchym C) Fibrous obliteration of terminal hepatic veins D) Fibrous obliteration of large bile ducts 			
13. Ovarian cyst lined by luteinized granulosa cells A) Follicular cysts B) Cystic follicle C) Luteal cyst D) Serous cyst			
 14. A 45 year old female presented with bulky uterine mass. Histopathology shows bizarre spindle cells with mitotic activity > 10/10Hpf. Which of the following is the most likely diagnosis? A) Leiomyoma B) Endometrial Stromal sarcoma C) Leiomyosarcoma D) Malignant mixed mullerian tumour 			
 15. Which of the following statement is true regarding serous carcinoma of endometrium A) Endometrial hyperplasia is a risk factor B) Poor prognosis C) Associated with MLH 1 mutation D) Low grade tumour 			
 16. Identify the false statement regarding endometrial hyperplasia A) Associated with obesity B) Most common genetic alteration is MET mutation C) atypical hyperplasia have more risk of malignancy D) Presence of metaplastic epithelium is benign 			
17. An 18-year-old man complains of a subacute onset of knee pain. A radiograph demonstrates an expansile, 10-cm mass arising within the proximal tibia with associated lifting of the periosteum and linear radiating calcifications perpendicular to the bone axis. This mass is concerning for which of the following? A) Osteosarcoma B) Rheumatoid arthritis C) Bone fracture D) Osteoid osteoma			
18. The presence of a bulky, polypoid, grape-like mass protruding from the vagina of a 3-year-old girl should raise concern for which of the following? A) Synovial sarcoma B) McCune-Albright syndrome C) Ewing sarcoma D) Embryonal rhabdomyosarcoma			
 19. Which lesion is a palmar variant of fibromatosis characterized by an irregular, nodular thickening of the palmar fascia? A) Desmoid fibromatosis B) Peyronie disease C) Dupuytren contracture D) Dermatofibroma 			
20. Osteomas of the jaw are associated with which syndrome? A) McCune-Albright syndrome B) Down syndrome C) Lesch-Nyhan syndrome D) Gardner syndrome			