

CENTRAL COUNCIL FOR RESEARCH IN SIDDHA

Research Officer (Medicine)

Date: 28.10.2020

Marks: 70 x 1= 70

Time: 90 Minutes

1.	The digestive enzymes of cellular compounds are confined to a. Ribosomes b. Peroxisomes c. Lysosomes d. Polysomes
2.	Gluconeogenesis is decreased by a. Glucagon b. Epinephrine c. Glucocorticoids d. Insulin
3.	Enalapril differs from captopril in that a. It blocks angiotensin II receptors b. It does not produce cough as a side effect c. It is less liable to cause abrupt first dose hypotension d. It has a shorter duration of action
4.	An example of tumour suppressor gene a. p53 b. C-myc c. ras d. bcr
5.	Neil, 15-year-old, student, had sore throat and a week later developed swollen joints and a murmur in the aortic valve area. What is the diagnosis? a. Infective endocarditis b. Rheumatic heart disease c. SLE d. Diphtheria
6.	Which of the following is associated with Normal anion gap metabolic acidosis? a. Cholera b. Diabetic keto acidosis c. Starvation d. Vomiting
7.	Elevated ST segment elevation in ECG is seen in all of the following conditions except : a. Subendocardial myocardial infarction b. Pericarditis c. Left ventricular aneurysm d. Prinzmetals angina
8.	Calcium channel blockers are contraindicated in : a. Acute left ventricular failure b. Essential hypertension c. Peripheral vascular disease d. Primary pulmonary hypertension
9.	The best available therapy for disseminated mycobacterium avium intracellulare infection in patients with AIDS is : a. Isoniazid, Rifampicin, Ethambutol b. Streptomycin, Pyrazinamide c. Ciprofloxacin d. Clarithromycin, rifbutin, Ethambutol
10.	Which of the following is likely to be found in a patient with Wernicke's aphasia: a. Fluent speech output b. Normal repetition c. Acalculia d. Dysarthric speech pattern
11.	A 30 yr old lady is found to have gallstones. She is asymptomatic and has never had any jaundice or dyspeptic symptoms in the past.the best course of management for her would be : a. Dissolution therapy b. Extracorporeal lithotripsy c. Cholecystectomy d. To wait till she becomes symptomatic

12.	Albuminocytological dissociation is a feature of : a. Guillain barre syndrome b. Tuberculou meningitis c. Viral encephalitis d. Neurosyphilis
13.	Spinal shock is characterized by a. Hyperalgesia , hyperreflexia, spasticity b. Hyperalgesia , areflexia, flaccidity c. Hypoalgesia , areflexia, spasticity d. Hypoalgesia , hyperreflexia, flaccidity
14.	Stellate cells in liver are modified a. Kupffer cells b. Ito cells c. Hepatocytes d. Sinusoidal cells
15.	Broca 's areas is a. Situated in Dominant inferior frontal gyrus b. Receives inputs from frontal and occipital lobes c. Commands travel via cerebellum d. All of the above
16.	Hoovers sign is useful to confirm a. Functional weakness b. Respiratory distress c. Occipital blindness d. Cerebellar lesions
17.	Miralgia Paraesthetica is due to entrapment of a. Common peroneal nerve b. Ulnar nerve c. Sural nerve d. Lateral cutaneous nerve of thigh
18.	Drug usefull in Hypertrichosis a. Eflornithin b. Minoxidil c. Cyclosporin d. Diazoxide
19.	Pregnant woman presents to emergency room with history of recurrent vomiting , altered sensorium, confusion and ataxia diagnosis is a. Cortical vein thrombosis b. Wernicke's Encephalopathy c. Eclampsia d. Psychosis
20.	The enzyme defect in Fabry's diaease is a. Alpha- galactosidase –A b. Glucocerebrosidase c. Acid sphingomyelinase d. Hexosaminidase –A
21.	The following scoring system is used to assess the risk of bleeding in patients receiving oral anticoagulation for atrial fibrillation a. ABCD score b. CHA ₂ DS ₂ -VASc Score c. HAS-BLED Score d. Modified Blachford score
22.	Anticoagulation target (INR) for St Jude valve (Bi Leaflet) is a. 2.5 -3.0 b. 3.0-4.0 c. 2.0-3.0 d. 2.5-3.5
23.	Cells committed to MITOSIS should undergo the following sequence a. G1- S -G2 b. G0-S-G1 c. S-G1-G2 d. G0-G1-G2
24.	In organ transplant the hyperacute rejection occurs in a. Seconds – minutes b. Minutes -hours c. Hours – days d. >24 hours

25.	Select the antibiotic whose dose must be reduced in patients with renal insufficiency a. Ampicillin c. Tobramycin	b. Chloramphenicol d. Erythromycin
26.	Which of the following presents as follicular pink scaly rash of chronic type with palmoplantar involvement? a. Pitryiasis rosea c. Pitryias capitis	b. Pitryiasis alba d. Pitryiasis rubra pilaris
27.	Bulging fissure in lung is due to which of the following infection? a. Mycoplasma c. Tuberculosis	b. Klebsiella d. Pneumococcus
28.	Maternal serum Alpha-fetoprotein is raised in all the following conditions EXCEPT (Kar 1994)/17/obst test a. Spina bifida c. Omphalocele	b. Multiple pregnancy d. Down's syndrome
29.	Cricoid cartilage is usually fractured in a. Throttling c. Traumatic asphyxia	b. Ligature strangulation d. A blow to the front of the neck
30.	A 33-year-old man presents to the clinic with complaints of headaches and blurred vision for the past 3 months. He also notes decreased libido. Past medical history is significant for peptic ulcer disease, for which he takes omeprazole. Family history is significant for a mother with recurrent peptic ulcers and an uncle who died of a pancreatic tumour. Physical examination is unremarkable. MRI of the brain reveals a mass in the pituitary. In addition to managing the pituitary mass, which of the following studies is most appropriate in this patient? a. Calcitonin c. Renal ultrasound	
31.	A 27 year old female presents with complaints of fever, arthritis and painful nodules on the shins associated with bloody diarrhea . She is most likely to be suffering from: a. Amoebic dysentery c. Hemolytic uremic syndrome	
32.	Which one of the following antibody is most specific for Wegener's granulomatosis? a. Rheumatoid factor c. Anti double stranded DNA	
33.	A 50 year old male presents with history of nausea, vomiting, diarrhea, wheezing and breathlessness.on examination , he is found to have excessive cold perspiration, salivation, miosis, lacrimation, wheeze and moist sounds in the chest. The most likely diagnosis is: a. Datura poisoning c. Organophosphorus poisoning	
34.	The most common extra salivary gland involvement in mumps is a. Encephalomyelitis c. Aseptic meningitis	
	b. Pancreatitis d. Oophoritis	

35.	A 35 year old man presents a history of headache. On examination, his BP in upper limbs and lower limbs are 200/ 110 mm Hg and 120/70 mm Hg respectively. A continuous murmur is heard over the back. The most likely diagnosis is : a. Takayasu's arteritis b. Aortic stenosis c. Coarctation of aorta d. Dissedtion of aorta
36.	The most common cause of death in thermal burns is : a. Convulsion b. Aspiration pneumonia c. Hypovolemic shock d. Arrhythmia
37.	A patient is admitted with history of overdose of warfarin. Prothrombin time is significantly prolonged and patient has ecchymosis and hematemesis. Therapeutic choices should include : a. Vit K only b. Vit K and fresh frozen plasma c. Naloxone and N acetyl cysteine d. Vit K , Naloxone and fresh frozen plasma
38.	Conjugated Hyperbilirubinemia occur in following conditions except a. Dubin Johnson Syndrome b. Rotor Syndrome c. Gilbert syndrome d. Obstuctive jaundice
39.	CASPAR criteria is used for diagnosing a. Cosmic radiation injuries b. Psoriatic Arthritis c. Carcinoma cervix d. Carcinoma colon
40.	First line drug of choice for absence seizure is a. Sodium valproate b. Carbamazepine c. Lamotrigine d. Ethosuximide
41.	Erythrasma is caused by a. Coagulase positive Staphylococcus b. Streptococcus c. Corynebacterium d. Coagulase negative Staphylococcus
42.	Safe antirheumatic drug in pregnancy a. Tacrolimus b. Leflunomide c. Methotrexate d. Cyclophosphamide
43.	Lewy body dementia is due to mutations in a. Tau protein b. ApoE4 c. Alpha and Beta synuclein d. TPD43
44.	The following one is incorrect about diastolic sounds a. Third heart sound b. Clicks c. Fourth Heart sound d. Opening snap
45.	The following one is incorrect about Phase I clinical trial a. Healthy volunteers 20-80 b. Patients 20-80 c. Duration 6-12 months d. Aim is to establish basic pharmacokinetic and Pharmacodynamic properties
46.	Cohort study is a. WHO demographic health survey b. MCR Streptomycin trial c. Framingham study d. Doll R smoking and carcinoma study

Answer

Question Number	Option
1.	C
2.	B
3.	C
4.	A
5.	B
6.	A
7.	A
8.	A
9.	D
10.	A
11.	D
12.	A
13.	B
14.	B
15.	A
16.	A
17.	D
18.	A
19.	B
20.	A
21.	C
22.	A
23.	A
24.	B
25.	C
26.	D
27.	B
28.	D
29.	A
30.	B
31.	D
32.	D
33.	C
34.	C
35.	C
36.	C
37.	B
38.	C

Question Number	Option
39.	B
40.	D
41.	C
42.	A
43.	C
44.	B
45.	B
46.	C
47.	A
48.	A
49.	A
50.	A
51.	C
52.	D
53.	C
54.	C
55.	B
56.	D
57.	D
58.	C
59.	A
60.	B
61.	B
62.	A
63.	A
64.	B
65.	A
66.	D
67.	B
68.	B
69.	B
70.	C

