

MICRO :

- 1) A baby with a disease comes to your clinic il disease bitla3 rsv what would you give? Ribavirin
- 2) Which of the following is true about hep c? Interferon + ribavirin as a treatment
- 3) Which of the following is wrong about adeno virus? Integration causes cancer
- 4) Most common type of candida in thrush? Albicans
- 5) Which of the following can be used as prophylaxis for inf A and
- 6) Which bacteria lives in alkali medium? V. Cholera
- 7) Which of the following lives in chlorinated water? Non of the above
- 8) Which of the following produces inclusion bodies? Clamidia
- 9) McCoy culture? Clamidia
- 10) Cause of blindness? Clamidia
- 11) 90% pneumonia common in? Children
- 12) Which of the following is true about metaceracia? Possess a tail
- 13) If we want to test for parasites? all
- 14) True about nisseria? No vaccination
- 15) Which of the following is not a protein synthesis inhibitor? Carbencillin
- 16) Which of the following is wrong about protozoa? Single morphology
- 17) Which of the following is wrong about protozoa? Basophilia
- 18) Which of the following is a wrong pair? Cmv: intranuclear and intracytoplasmic inclusion bodies (msh had el jwab) (not sure)
- 19) Varicella and zoster which is wrong? They both cause post herptic neuralgia
- 20) What causes atypical lymphocytosis? EBV
- 21) Which of the following causes splenic rupture with strenuous activity? EBV
- 22) Which of the following is wrong about rotavirus? Can be cultured in cell cultures
- 23) Which virus causes gastroenteritis on cruise ships? Norwalk
- 24) Which virus causes acute infection transmitted fec-orally and associated with jaundice? Hep A
- 25) Which of the following is a vaccine for hep b? Recombinant vaccine
- 26) There was a question jawabo cidofovir bas i forgot thre question
- 27) which is wrong pair --- RNA viruses- viroceptors !! (not sure)
- 28) Correct steps for elisa? The one starting with hiv antigen

- 29) Hekton agar >> salmonella typhi
- 30) bloody diarrhea >> shigella
- 31) nematodes >> don't have circulatory sys
- 32) Wrong about MC >> btsawi meningitis
- 33) Which of the following is wrong about parasites? Have spores
- 34) fe not anti tuberculosis drug > colistin
- 35) AZT >> not for HSV and RSV
- 36) which of the following can be vaccinated for ? none of the above
- 37) bacteria colonize in nose: H.Influenza
- 38) bacteria mainly found in intestine of animals :c.anthraxis
- 39) drug inhibit fusion :enfuvirtide
- 40) sporozoe :all of the above
- 41) correct one : in one tape worm gravid proglottid have fertilized egg
- 42) wrong about nematodes :hermophrodites
- 43) wrong about cestodes : always have rostellum
- 44) capsid building blocks : capsomers
- 45) salmonella typhi :common in jordan
- 46) candida albucin have germ tube in vitro (eshi zay heik)
- 47) cryptococcus neoformans : a+b
- 48) epidermophiton cause : tinea corporis
- 49) which belong to coliform group :proteus + klebsella
- 50) wrong one about certain bacteria (i forgot it)
 - gram + coccobacilli
- 51) wrong about helicobacter :
 - in domestic animals
- 52) question about compylobacter : cause sepsis (wrong)
- 52) wrong about certain bacteria (i forgot it) :
 - lactose + fermante
- 53) wrong about parasite ;no effective used drugs against it
- 54) qeustion about antigen i think : HB c Ab
- 55) E.Coli enterotoxic : wrong cause sepsis
- 56) common cold no treatment >>>because many viruses with different antigenicity are correlated with it
- 57) influenza epidemic :high frequency of mutation
- 58) What do amantadine and rimantadine inhibit ? Uncoating

FINAL BIOCHEM:

- 1) a fatty acid with 10 molecules: what is true about its synthesis?
8NADPH
- 2) what is true about the chemiosmotic theory? asymmetric pumping of protons
- 3) what is true about ATP consumption in the cell (Nafith)? all of the above
- 4) if we inhibit succinate dehydrogenase what product will decrease? fumarate
- 5) all the of the dehydrogenases produce NADH except for? succinate dehydrogenase
- 6) a well appearing baby arrives to your clinic, reducing sugar positive in urine? fructokinase deficiency
- 7) severe hypoglycemia which deficiency? glucose 6 phosphatase deficiency
- 8) which one of the following is not true about PPP? can produce NADPH from the reversible reactions
- 9) what is the amide bond in sphingomyelin? serine
- 10) Tay-Sachs disease? accumulation of sphingolipids
- 11) what are the products of ALT? pyruvate and glutamate
- 12) which of the following cannot be found in urea cycle? urea synthetase
- 13) what gives blood creamy appearance? chylomicrons
- 14) what is true about apolipoprotein C2? if deficient chylomicrons will persist in the blood
- 15) to make glucose 6 phosphate from ribose 6 phosphate?
7sedoheptulose is an intermediate
- 16) a picture of feransyl phosphate? genaryl + isoprpyl
- 17) what is wrong about leish nyhan disease? decrease in de novo synthesis
- 18) a kid comes with orotate aciduria what should you do?
administer uridine
- 19) which of the following is not an antioxidant? nicotinamide
- 20) which of the following is not correct about G6PD deficiency?
severe hypoglycemia
- 21) which of the following is a product in cholesterol metabolism or something like that? 7dehydrocholesterol
- 22) which of the following is wrong about TAG digestion in intestines?(Phosphotidic acid is an intermediate cause it is not)
- 23) which of the following is wrong about ACC? oxidation reduction reaction
- 24) which of the following is the phenton reaction? $Fe^{2+} + H_2O_2 \rightarrow Fe^{3+} + OH \text{ (Radical)} + OH \text{ (ion)}$

- 25) which of the following is wrong about uric acid? H_2O_2 is a substrate
- 26) which of the following produce H_2O_2 ? very long chain fatty acid oxidation
- 27) which of the following is true about cholesterol esterification in plasma? phosphatidylcholine is the second substrate
- 28) which of the following is wrong about leucine, isoleucine, and valine? all produce succinyl CoA
- 29) wrong about digestion of proteins? elastase works on bulky amino acids
- 30) true about both alcohol fermentation and lactate formation? both produce NAD^+
- 31) which of the following is not a cofactor in succinate dehydrogenase? ATP
- 32) wrong about hydrolysis of fat in adipose tissue? enzyme is extracellular
- 33) HMGCoA reductase? inhibited by phosphorylation
- 34) a baby is born white skin red eyes.. etc? def in copper dependent tyrosinase
- 35) which of the following is wrong about purine synthesis? CPT is used
- 36) what is wrong about PKU deficiency? tyrosine hydroxylase deficiency
- 37) which of the following is produced after breaking down serine? N^5,N^{10} methylene tetrahydrophate
- 38) which of the following is the cause of anemia in B12 def? inability to regenerate the carrier (THF)
- 39) what is true about glucuronic acid? important constituent in GAG
- 40) lingual lipase wrong ----> requires emulsification

PHARMA :

1. Causes Nephrotoxicity => Gentamicin
2. Causes Redneck Syndrome => Vancomycin
3. Which of the following is correct => Imipenem covering MRSA
4. Covers all community acquired pneumonia => Azithromycin
5. Used with Tetracycline to cover H. Pylori => Erythromycin ??
6. Kid with hyperalbuminemia => Cefotaxime + Vancomycin
7. Drug of choice for UTI => Ciprofloxacin
8. Miss-match => Amikacin - Anaerobic G-ve
9. Covers nosocomial Meningitis something => Ceftriaxone
10. Prophylaxis is colorectal surgery => Cefoxitin/Cefotetan (Nasi wl so2al bl 9'b6 keef kan)
11. Drug of choice for cellulitis => Cephalexin
12. Super infection results from => All of the above
13. Which of the following is incorrect => Definitive before lab results
14. Prophylaxis => Benzathine Penicillin??
15. Recurrent UTI => nasi el jwab
16. For soft tissue infection => Nymycin or sth?
17. Accumulates in the bone => Tetracycline
18. Prostatitis => Ciprofloxacin or Gentamicin I'm not sure
19. Enterococci Endocarditis for an allergic patient => Vancomycin
20. Cl. difficilis & metronidazole was ineffective => Vancomycin
21. Broadest spectrum => Imipenem
22. Covers Pseudomonas => Piperacillin + Gentamicin
23. Inhibit CYP3A4 => Erythromycin
24. Pregnant woman.. => Azithromycin (No tetracycline mshan el liver failure risk)
25. so2al 3n enu kan fi Vancomycin RE => Linozoid k2no
- Covers Pseudomonas => Piperacillin + Gentamicin
- Inhibit CYP3A4 => Erythromycin
- Pregnant woman.. => Azithromycin (No tetracycline mshan el liver failure risk)

Dr Hamzeh :

- 1) catecholamine causes a slight increase in the systolic p and a decrease in diastolic p > isoproterenol
- 2) a pro-drug it's metabolite used to treat orthostatic hypotension > Midodrine
- 3) alpha 2 agonist used as a sedative for intubated patients > Dexmedetomidine
- 4) Dobutamine > for cardiac shock

- 5) beta 2 agonist used for uterine relaxation in premature labor > Ritodrine
- 6) a psychostimulant that increases interstitial DA and NE and decreases GABA > Modafinil
- 7) used to treat cardiac block > Isoproterenol
- 8) Apraclonidine > decreases intraocular pressure
- 9) one of its side effects : severe tachycardia and arrhythmia > phentolamine
- 10) alpha 1 blocker that has a greater potency in inhibiting contraction in prostate smooth muscle versus vascular smooth muscle > Tamsulosin
- 11) one of its side effects : bradycardia and cold hands > propranolol
- 12) nonselective beta blocker used in treating hypertension and congestive heart failure > carvedilol
- 13) a ganglionic blocker that was developed to improve absorption > Mecamylamine
- 14) one of its side effects : cycloplegia and orthostatic hypotension > Hexamethonium

- 1- cellulitis... Cephalexin
- 2- resistant enterococci and H.influenzae...
Cefotixime+vancomycin
- 3- drug that covers all causes of community acquired pneumonia
... Azithromycin
- 4- bacteroides... clindamycin
- 5- meningitis In patient with kidney failure... Ceftriaxone
- 6- widest spectrum ... Imipenim
- 7- for prophylaxis of a surgery with fear of MRSA ... Vancomycin
- 8- Drug of choice for UTI ... Ciprofloxacin
- 9- prophylaxis for endocarditis... ??? Vancomycin
- 10- false statement... Disulfiram-like effect is a side effect of all types of cephalosporins(hai mn l jmal elli kant mktobeh ama el jwab t7dedn f kan ...non of the above)
- 11- precipitates in growing bone and teeth ... Tetracyclin
- 12- resistant Cl.difficile ... Vancomycin
- 13- anaerobic G-ve bacilli ... Aztreonam
- 14- chlamydia urithritis ... Azithromycin
- 15- H.pylori that don't respond to metranidazole... Tetracyclin ???
- 16- acne... Tetracyclin



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- 17- pregnant women(!)... Not tetracyclin
- 18- one gram daily for 3 days ... Azithromycin
- 19- for hepatic encephalopathy... Neomycin
- 20- pyelonephritis ... Gentamycin
- 21- nephrotoxicity ... Aminoglycosides
- 22- pseudomonal sepsis... Gentamycin+piperacillin
- 23- true : clindamycin for penetrating wounds of abdomen and the gut
- 24- aspiration pneumonia... Clindomycin
- 25- prostatitis ... Ciprofloxacin ???
- 26- most common cause of pseudomembranous colitis ... Ciprofloxacin
- 27- orthopathy... Ciprofloxacin
- 28- prophylaxis for recurrent UTI in women ... TMP-SMZ.
- 29- orthostatic hypotension... Midodrine
- 30- xylometazoline... Decongestant

COMMUNITY :

Dr.Waddah >>>

1-the correct sequence of the functions of management :
planning>organization>staffing>directing>controlling

2-areas of competency for all managers:

- a.professionalism
- b.business skills
- c.communication ana relationship
- d. leadership
- *e. all of the above

3-workers must be hired and promoted based on their competence and abilities :

the scientific management

4- planning: a cyclic process that involve checkpoints

5-all of the following are of the blum goals except:

- *a.focusing on treatment and re(eshi)
- b. prolonging life and preventing premature death
- c.minimizing discomfort
- d.extending resistance to ill-health and creating reserve capacity
- e.

6-burn centers:

- a.general hospital
- *b.tertiary
- c.speciality
- d.long-term

7- the planning hierarchy starting from the top of the pyramid to the base:

mission>philosophy>goals>objectives>policies>procedures>rules

8-determine the function and priorities in an organization :

- *a.the mission statement
- b.the budgement
- c.customer's satisfaction (eshi)
- d.the policies and the procedures
- e.the goals and objectives

10- the first step of the quality control process:

- *a.the criterion and standard is determined
- b. information is collected ..

11- benchmarking:

comparing your organization with the best-performing organizations

12-thirty-eight percent of the administered patients were cured after 1 year :

- a. structure audits
- b. concurrent audits
- c. prospective audits
- * d. outcome audits
- e. process audits

13-budgeting:

*a. a learned skill that improves with practice

b.

c.

d.

*e. concerned with cost containment and cost effectiveness

14-responsibility accounting:

Each of an organization's revenues, expenses ..etc. is someone's responsibility

15-the largest of the budget expenditures:

The workforce or personnel budget

1. 10. The right consequence for the planning steps in the Planning Hierarchy is :

a. Mission /Philosophy /Goals /Objectives /Policies /Procedures /Rules

b. Mission /Philosophy /Goals /Policies /Procedures /Objectives /Rules

c. Mission /Philosophy /Policies /Goals /Objectives/Procedures /Rules

d. Mission /Philosophy /Policies /Goals /Rules/Procedures /Objectives

2. Least Fertility rate : Spain

3. percentage of global death in middle and low income countries ? 90

4-all are bacterial except : poliomyelitis

5-unmet need for family planning ? 12%

6. most common modern contraceptive method ? IUCD

7. which of the following is killed vaccine? Pertussis

8. the impact of pollutants on recipient : age



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9. pop.pyramid in jordan : developing
10. the gap between fecundity and fertility affected by : all
- 11.struck : all
- 12.OSHA : occupational health and safety administration
- 13.coliform test : if -ve : free of pathogenes
- 14.unmet % : 12%

PATHOLOGY:

- 1- complement proteins induce histamine release: C3a , C5a
- 2- wrong statement: PGI₂ contributes in the pain and fever
- 3- leukotriene with chemotactic role: LTB₄
- 4- al of the following is imp in acute inflammation except: IL-12
- 5- CXC chemokine: IL-8
- 6- deficiency in decay-accelerating factor: paroxysmal nocturnal hemoglobinuria
- 7- infancy colitis developed by: deficiency in IL-10 receptor
- 8- wrong about chronic inflammation: suppurative infection .. one special type ??
- 9- wrong combination: TH1 produce IL-4 , IL-5
- 10- not component of granulomatous inflammation: plasma cells
- 11- increased in its conc. increase the risk for myocardial infarction or stroke: CRP
- 12- prolonged infection induce leukocytosis by production of: CSFs (colony sti. factor)
- 13- wrong statement: cuboidal epithelium - stable tissue
- 14- fibrous structural protein: elastin
- 15- wrong statement: Ehlers-Danlos syndrome-amorphus collagen
- 16- lymphangiogenesis stimulated by: VEGF-C
- 17- stromelysins degrade the following except: fibrillar collagen
- 18- synthesis of MMPs inhibited by: TGF-B
- 19- healing by first intention: minimal wound contraction
- 20- maximal improvement of the wound: 70% - 80% after 3 months
- 21- wrong statement: all cancers have a deadly course
- 22- most important feature related to malignancy: fixed to the skin
- 23- enlargement of the supraclavicular lymph nodes: stomach adenocarcinoma
- 24- cystadenoma .. correct: arise in the ovary
- 25- which of the following isn't sporadic cancer arise in the childhood: skin cancer
- 26- wrong statement: Hamartoma is a congenital anomaly
- 27- wrong statement: the more anaplastic, the more likely to have specialized function
- 28- production of abundant amount of stroma: desmoplastic-scirrhus tumor (A&B)
- 29- anaplasia means: lack of differentiation ??
- 30- intravenous growth of cancer: renal cell carcinoma
- 31- nucleotide excision repair defect: xeroderma pigmentosum
- 32- is not a precursor of cancer: hemangioma
- 33- wrong statement (tumor progression): don't involve developing resistance for drugs

- 34- emerging hallmark: evasion of immune system
- 35- ERBB2 mutation: Amplification
- 36- mutation in NF-1: in GAPs
- 37- 9:22 translocation: ABL
- 38- imitaneb mesylate (gleevec) used for: chronic myelogenous leukemia
- 39- wrong statement (RB): E6 protein affects it
- 40- sense DNA damage and release TP53: ATM
- 41- inherited mutant in p53 gene cause: Li-Fraumeni
- 42- activates EMT: TGF-B
- 43- wrong statement about APC (disease): autosomal recessive disorder
- 44- evasion of cell death occur by: BCL2 translocation (14:18)
- 45- not an angiogenesis inhibitor: PDGF
- 46- sth about angiogenesis: HIF-1alpha ??
- 47- hepatocyte growth factor/scatter growth factor increase in: glioblastoma
- 48- wrong statement (metastasize): increase in regions rich in blood vessels
- 49- HNCC .. correct: have microsattelite instability (MSI)
- 50- hypersensitivity to ionizing radiation: Ataxia telangectasia
- 51- wrong about BRCA1: develop breast cancer in men
- 52- wrong combination: beta-naphthylamine-renal cell carcinoma
- 53- RNA virus induced cancer: T cell lymphoma/leukemia
- 54- wrong statement about Burkitt lymphoma in immunocompetent patient:expr of LMP1
- 55- non-viral cancer: MALToma
- 56- cancer cachexia: result from the action of soluble factor (cytokines)
- 57- hypercalcemia: PTHrP by squamous cell carcinoma
- 58- grade 1: well-differentiated
- 59- staging doesn't depend on: amount of necrosis