

JIPMER Question Paper 2012

- 1) Levosimendan - sensing calcium to tropomyosin.....
- 2) supracondylar fracture humerus?????
median
- 3) Waldeyer fascia
- 4) antibody a/w IgA nephropathy is against? Cd 71
gA nephropathy overexpresses 1- cd51 2-cd61 3-cd71 4-cd81
- 5) S 100-neuroendocrine

- 6) miyagawa body????!gv

- 7) primary action of chemoreceptors? a.mild tachycardia, vasodilation b.bradycardia,vasoconstriction c.tachycardia , vasoconstriction d.bradycardia, vasodilation

- 8) origin fro ecto and mesoderm?????
Adrenals?
- 9) anal sphincter???? circular

- 10) spinothalmic tract?????

- 11) ossification at 2 month????lunate scaphoid????? ANS capitate

- 12) congenital glaucoma?sx?goniotomy?trabaculoplasty?
- 13) electrical synapse?gap junction ans
- 14) norepinphrine acxts by reducing camp in alfa 2receptors?
- 15) pop diadvantage?irregular bleed

- 16) iodine 131 half life 8 days

- 17) non ketotic hypoglycemis a/e galactosemia fructose intolerance hyperinsulinemia??

- 18) induseum griseum?
induseum griseum is a vestige of hippocampal development. supracallosal gyrus (induseum griseum; gyrus epiccallosus) consists of a thin layer of grey matter in contact with the dorsal surface of the corpus callosum and continuous laterally with the grey matter of the cingulate gyrus

- 19) *flipped LDH isoenzymes occur in: a)myositis b)myocardial infarction c)grave's disease d)?myasthenia gravis
Ans MI
- 20) *55yr old woman had postmenopausal bleeding, she underwent hysterectomy. histopatholgy showed endometrioid type of endometrial carcinoma. what would have led to this type of cancer: a)adenomyosis b)multiparity c)excess estrogens d)??OCPs
- 21) *wilm"s tumor gene WT1 is located on chromosome??
11q 13

- 22) *which is a photochromogen: a)mycobacterium gordonae b)mycobacterium kansasii ans c)mycobacterium schleii d)mycobacterium marinum

- 23) *thiamine deficiency shows: a)reduced RBC trasketolase b)?

- 24) * according to WHO International Health regulations, area around ports and airports free of mosquitoes should be: a) 100metres b)200m c)300m d)400m

- 25) *mycobacterium simiae is a: a)photochromogen b)scotochromogen c)rapid-grower d)non-photpchromogen
- 26) *ELISA for virulence marker antigen(VMA) is done to detect virulence in : a)atypical mycobacteria b)hemophilus influenzae c)?strptococcus pyogenes
E coli
- 27)type 2 rta a/e lowe cystinuria
- 28) thyroid peroxidaSE does a/e release of thyroglobulin into the colloid?
- 29) c/i in liver failure? spironolactone?
Ans carbonic anhydrase inhibitor
- 30) iucd a/e?reduces fertility after removal?
- 31) estrogen a/e? reduces fsh,secreted by theca causes lh surger,
- 32) theirsch graft?partial thickness
- 33) post ethmoid sinus opens into superior meatus!
- 34) epoophoran upper part of wolfian duct
- 35) uterine axis is at internal os
- 36) vpm nucleus of thalamus?medial lemniscus/lat lemniscus?trigeminal nucleus(ANS)?
- 37) g2b/3a?glangmans?
Bernard Soulier
- 38) a/e are a part of hypopharynx ?post cricoid?pyriform sinus
Epiglottis
- 39) glottic cancer with fixed chords stage 3
- 40) recurrent apnea bradycardia and syncope? cong heart block?
Pertusis
- 41) most common nerve involved with ophthalmic, mandibular, ,axillary as d option???????????? V1
- 42) eale's disease cause...wat type of blindness ?????????????????????/?
Sudden painless
- 43) famciclovir is the prodrug of penciclovor
- 44) sagittal suture closure -scaphocephaly.

- 45) aliskiren- direct renin inhibitor
- 46) hyperchloremic acidosis- ureterosigmoidostomy
- 47) *resection of adjacent bowel is usually necessary during resection of: a) chylolymphatic cyst b) enterogenous cyst ANS c) simple cyst d) mesenteric cyst
- 48) *intussusception is caused by; a) submucous dermoid (ANS) b) subserous dermoid c)?
- 49) lyre sign?- glomus tympanicum jugular acoustic carotid body tumor
ANS carotid body tumor
- 50) gutzman test done in puberphonia
- 51) adverse effects of beta blocker a/e bron constriction ,rebound tachy, ortho hypotension,poor response to hypoglycemia
ANS it is used in ortho hypotension
- 52) cerebral salt wasting a/e hypovolemia
- 53) hypertonic hyponatremia?mannitol
- 54) a/e true abt cystic fibrosis early hyperglycemia, res trac infection common, majority males with infertility, chloride >70meq
- 55) mesalamine used for Ulcer colitis alzheimer ? UC
- 56) treatment of soft tissue sarcoma ? wide excision
- 57) pinch purpura? primary amyloidosis
- 58) amyloid deposits commonly in? renal vessels
- 59) Emphysematous cholecystitis caused by- clostridium welchii
- 60) Malignant pustule- anthrax
- 61) Most common melanoma- supfl spreading
- 62) about ear a/e oval window transmits sound to perilymph??
- 63) Aortic opening.- at T12
- 64) reid index in chronic bronchitis
- 65) ochronosis is seen in chronic poisoning wid...?? Carbolic acid
- 66) small cell Ca lung..dna of necrotic cells get deposited on vessels-a]psammoma body b]azzopardy effect c]button collar lesion
ANS b
- 67) lowest court 2 giv imprisonment less den 10 yrs..a]Chief judicial magistrate B] additional session judge C]assistant session judge

Dchief metroplitan,,

68) aconite poisoning not a symptom- hypertension. hypotension is usually seen

69) Parotid gland is supplied by- a) Otic ganglion

70) allowed fluoride level in water? <1.5 mg/dL ?

71) particle size inhaled in lung <5 microns

72) radiation dose absorbed in SI unit Gray

73) ab. To gm csf , Alveolar proteinosis

74) socially learned behaviour????????????????
culture is learned behavior which is socially acquired

75) icds program under 1 ministry of H & FW 2 MINISTRY OF EDUCATION 3 MINISTRY OF SOCIAL WELFERE 4 MINISTRY OF H R D

At present Ministry of Women and Child Development which until 2006 was under Ministry of H RD (started when HRD was under Ministry of social justice)

76) 1-Nephrotic syndrome asso. with-

a) P. vivax b) p. malariae (ans) c) P. f. d) P. ovale

77) brunner glands n duodenam

78) Sreening test correctly define TRUE NEGATIVE 1. SENSITIVITY 2 POSITIVE PREDICTIVE VALUE 3 SPECIFICITY 4 NEGATIVE PREDICTIVE VALUE

79) Tardive Ulnar palsy: Cubitus varus Cubitus valgus genu valgum genu varum

80) lead poisoning inorganic which is not a symptom insomnia

81) time period b/w primary case and secondary case median incubation period serial interval generation time ??

82) seizure caused by a/e cycloserine, clozapine tramodol propofol
All increase seizure threshold!!!! Clinically, maybe propofol... 9

83) post anesthesia minitoring? pain ambulation nausea drinking
Ans ambulation

84) least elimination half life? propofol thiopentone midazolam

85) all routes preferred in ? fentanyl

86) alveolar hge in a/e idiopathic pulmanory fibrosis , pul epillaritis?

- 87) self esteem narcissist
- 88) dimorphic? histoplasma
- 89) endolymph? Scala media
- 90) diarrhoea is sen ? metformin
- 91) serum albumin gradien<1.1 ? nephritic
- 92) all r transudate except? uremia svc syndrome
- 93) fatty liver in pregnancy a/e? fatal
- 94) turner syndrome?
- 95) pri amenorrhea with n karyotype? Mullerian agenesis
- 96) x linked a/e rett
- 97) most common symptom in fibroadenosis? pain
- [snip]) ant colporraphy with perinnnioraphy?
- 99) g6pd deficiency?
- 100) hereditary spherocytosis? Spherocytes wikll disappear after splenectomy
- 101) hemolytic anemia? Low LDH
- 102) sickle cell anemia? Aplastic crisis spleen
- 103) oxaluria? glycine
- 104) chronic liver disease poor prognosis? inc alfa feto protein
Inc PT
- 105) placental trophoblastic?
- 106) partial mole? a/e diploid
- 107) hydati mole a/e? cyto trophoblast predominant
- 108) c/i in placenta previa a/e speculum exam
- 109) ocp protect against al/e ? cervical ca
- 110) type 2 muscla fibre?
- 111) Zoonotic asso with agricultural workers a/e Dracunculus leptospirosis Qfever ?? Tetanus
- 112) MEDIAN NERVE SUPPLY A/E 1 ADDUCTOR POLLICIS BREVIS 2 FLEXOR PLLICIS BREVIS 3 OPPONENS POLIS 4

ABDUCTOR POLLICIS BREVIS

113) sympathetic vasodilator fibers ?

a) arises from frontal lobe

114) decreased basophils in Cushings

115) dehydration in children is due to a/e less basal fluid requirements?

116) undescended testis cannot descend after? 4 months , 6, 8 months

117) GLUT 5 is fructose transporter. a/e ANS GLUT 2 in neurons (it is GLUT 3)

118) a/e about phenobarbitone hypoglycemia ?

119) c/i antiepileptic in child treated with ketogenic diet ? valproate

120) 4. False about amiodarone? A. Bradycardia and heart block B. Drug of choice for atrial fibrillation C. High incidence of torsades pointes D. Dose related pulmonary toxicity is the most important adverse effect answer C. Katzung 11th ed, p240-241

121) 6. Anticraving drug used in alcohol dependence? Answer C. Naltrexone

122) True about Sporothricosis are all EXCEPT A. Spread along lymphatics B. Drug of choice is Potassium iodide C. Medlar body D. Caused by S.schenckii answer C. Chakraborty p631

123) Thayer martin media for? Answer- Neisseria

124) 12. Streptococcal capsule is made up of? A. Hyaluronic acid B. Polysaccharide C. Polypeptide D..... Answer- A

125) 13. Streptococcus pyogenes experiment by Griffith is? A. Lysogenic conversion B. Transduction C. Transformation D. Conjugation answer- C. Chakraborty p79

126) 14. Contaminant in home canned vegetables and smoked fish? A. Staph B. Cl.botulinum C. Salmonella D. B.cereus answer- B. Harrison 17th p901

127) 15. In Africa Children, which is the most common type of kaposi sarcoma? A. Classical type B. Lymphadenopathic type C. Hodgkin ds D. AIDS asso type answer-B. Wikipedia

128) 16. Periportal fibrosis caused by? A. S.japonicum B. S.mansoni C. S.hematobium D. S.mekongi answer- A. Paniker p116

129) 17. Primary amebic encephalitis? Answer- nagleria fowleri

130) . Chromosomal breakage a/e Duchenne

131) 19. Guarneri bodies? Answer- pox virus

132) 21. Number of bacilli per field for diagnosing Hansen's ds is? A. 10 per field B. 10^2 C. 10^3 D. 10^4 Answer- A? Chakraborty p410

133) Xeroderma pigmentosa nucleotide excision repair

134) autonomous hyperplasia in? fibromatosis

135) 5. Touton giant cells? Xanthomas!

- 136) transplacental carcinogenesis? Vaginal adeocarcinoma
- 137) which drug dosage should be decreased with concomitant administration of allopurinol mercaptopurine ?? ?? ??
- 138) criggler najar syndrome
Defect in conjugation
- 139) Type of lens wit minimum post subcapsular calcification. . A PMMA B Hydrophilic
acrylic c hydrophobic acrylic (ans?) d crystalline lens
- 140) Lesch nyhan syndrome HGPPT
- 141) substrate level phosphorylation
- 142) classical liver lobule –around central vein
- 143) red cells stored in blood bank? Low Na
- 144) less total ant pituitary hormone
- 145) mech not that gr8 for T cells -phagocytosis
- 146) antibiotic act on protein synthesis : erythromycin
- 147) T helper 1- CMI
- 148) myagalia ??
- 149) minimal alveolar conc of anesthetic agent is potency
- 150) glycopeptide antibiotic vancomycin
- 151) metaplasia from? Stem cells??
- 152) neonatal sepsis org Gr D strp (agalactae)
- 153) endocopes disinfected with guteraldehyde
- 154) weil disease L interrogans
- 155) most common world wide zoonotic / brucella anthrax rabies leptospirosis
ANS brucella

- 156) subclavian steal syn ?first part of sub clavian artery blocked
- 157) maximum protein binding? morphine fentanyl sulfentan
Sufentanil
- 158) Benefit of screening procedure in? colon cancer
- 159) GVHR monitor a/e skin liver lung intestine
Ans liver
- 160) mesangial contraction by? histamine bradykinin,nitric oxide,
- 161) specimen required for cytogenetic study in macerated fetus? WBC RBC fibroblast from achilles, fibroblast from skin fascia
- 162) early symptom in rectal cancer? constipation, diahorrea n constipation, bleeding, pain
- 163) common skeletal manifestation in NF1? sphenoid dysplasia,scoliosis,pseudoarthrosis,thinning of long bones
- 164) early symptom in TB hip? loss of joint space,collapsed head, osteopenia
- 165) cause for ganglion degeneration of tendon sheath
- 166) monteggia fracture...
- 167) haemangioblastoma of cerebellum and retina-von hippel landau
- 168) kobner phenomenon present n vitiligo,lichev planus,psoriasis not n dermatitis herpetiformis
- 169) fatty liver in alc d/t
- 170) A/E TRUE ABOUT DELIRIUM 1 NO DIRUNAL VARIATION 2 ACUTE IN ONSET 3 ? 4?
- 171) strawberry gum in wegener
- 172) herat boarder formed by A/E IN PA View 1 RA 2 RV 3 LV 4 AORTIC ARCH
- 173)eyelas infestation with pediculosis capitis pediculosis humanis pthris pubis
- 174) KANVAL SIGN IS SEEN IN 1 TENDON SHATHS INFLAMTION 2 ? 3? 4?
- 175) during outbreak of an epidemic first thing to do: confirmation of diagnosis confirmation of the epidemic ?? ??
- 176) malondialdehyde lipid peroxidation
- 177) method in which whole of body organs removed for dissection? virchow ghon
ANS letulle??

- 178) disposal of sharp instruments in which colour bag? Blue/ transparent
- 179) which among is saturated fatty acid? Palmitic acid
- 180) most essential fatty acid linoleic acid arachidonic acid linolenic acid eicosapentanoic acid
- 181) Not true abt mitochondrial diabetes: early hyperglycemia asso with weight gain ??? ??
- 182) paranasal sinus not present at birth. i think ans frontal sinus
- 183) Mucicarmine cell & Russel Body seen in 1 Rhinosporidiosis 2 Rhinosclerosis 3? 4 ?
- 184) a person died of meningoencephalitis. autopsy shows gelatinous fluid, cystic spaces, organism has capsule and is round, which stain will it take: Mucicarmine alicial blue giemsa prussian blue
- 185) Subclinical infection is seen in JE
- 186) osteomalasia x ray finding
Loosers zone
- 187) marketing of a drug after which pahse of drug trial
1 PHASE 1
2 PHASE 2
3 PHASE3 ans
4 PHASE 4
- 188) 3 Sign of COA
- 189) nephelometry uses light scattering property
- 190) regarding Transfusion Associated Lung Injury FALSE is:
anti-HLA antibodies
seen in multiigravid/parous women
leucocytes in pulmonary circulation
causes noncardiogenic pul.edema
All seem to be true
- 191) which is not community acquired pneumonia: Acinetobacter baumannii mycoplasma staph aureus H.influenzae
Ans a
- 192) which is not an epiigenetic modification: poly A tailing Splicing dna methylation histone acetylation
- 193) Pulmonary plethora a/e TAPVC TOF ?? ??
- 194) Hypoxemia in Asthma is due to: V/Q mismatch Shunt hypoventilation ??
- 195) pH of a soln having 1×10^{-9} Hydrogen ions 12 9 4 3
Ans 9
- 196) Vol of fluid to repaced in a 10kg child of obvious dehydration in first 4 hours 500ml 750ANS 1200 1000
- 197) Lacunar infarects a/e: loss of consciousness hemisensory loss clumsy hand can be seen hemiparesis or??

198) which is only filtered into renal tubules DTPA DMSA MAG3 EC

Ans dtpa

199) Tc Labelled RBC are used for a/e GI bleed LV function ?? ?? Ans hepatoblastoma

200) how many PERMANENT teeth at 8 years.....16,20,24

Ans 12

201) Radiolucent stones: uric acid cysteine struvite calcium oxalate

Ans uric acid >> cysteine

202) which substance is least lost in urine: albumin haemoglobin myoglobin ??

Albumin (<150mg/24hrs normally)

203) maximum no of oocytes -20 weeks

204) cranial end of wolffian –epoopharon

205) true about spastic diplegia upper limbs only hemiparesis of upper and lower limb upper limb > lower limb lower limbs only

206) according to safe strategy WHO recommends the use of _____ for the control of trachoma azithromycin tetracycline ?? ??

207) features of achondroplasia a/e: trident hand acro-chondrolysis tombstone iliac bones ??

Acral osteolysis

208) non contraceptive use of ocp r all ex-ca cervix

209) impending uterine rupture a/e; peritoneal pregnancy

210) Seen in ARDS a/e PaO₂:fio₂ Ans PCWP <18

211) ultrashort acting neuromuscular blocking agent suxamethonium vecuronium

Ans sux

212) suxamethonium resistance seen in: myasthenia gravis lambert eaton myasthenic syndrome polymyositis dermatomyositis or duchenne muscular dystrophy or??

213) false abt ear chorda tympani passes on the inner surface of pars tensa pars flaccida is in between the malleolar folds tympanic membrane makes 55 degree angulation with meatus amplification function is mainly due to lever action of ear ossicles

214) antibiotics are given in this type of psoriasis guttate pustular impetigo herpetiformis ??

215) regarding transfusion associated ANAPHYLACTIC reactions False is different from allergy

seen in IgG deficient individuals

washed blood products prevents it

216) single most important predictor for CAD

Increased LDL

217) True about PET scan

single photon peak at 511 keV

dual photon peak at 511 keV ans

10 times more sensitive than gamma cameras

Lead collimators are used

218) Rbc protoporphyrin inc in iron def anemia

219) regarding 'affect' in psychiatric interview not true is:

it has objective component

has subjective component
a cross-sectional manifestation of emotion
persistent tone of feeling for a period of time ANS This is mood, not affect

220) drug bound to alpha 1 acid glycoprotein all except
lignocaine
disopyramide
quinidine
propranolol
All are basic drugs and hence I expect all to be bound to alpha glyco!

221) ovarian cause of hirsutism

a. pcos

222) Insulin dependent glucose transport occurs in all except
skeletal muscle

heart ans

liver

adipocytes

223) fetal bleed: vasa previa

224) one can increase inspiratory airway pressure by
decreasing PEEP

increasing PIP ANS

decreasing inspiratory:expiratory time ratio

225) which is not true about indication of exchange transfusion

1 cord bilirubin > 4mg%

2 cord hb < 10mg %

3 rate of bilirubin increase is > 0.5mg%

4 total bilirubin 10 mg/dL Ans

226) human milk as compare to cow milk has more

1 fat

2 protien

3 lactose

4 ?

227) rmp ca- 130

228) false regarding bronchiectasis

dry type is seen in apices

mucolytic has proven action in relief of secretions

antibiotics are indicated during exacerbations

229) retinal breaks are seen in the following type of retinal degeneration

snowflake degeneration

lattice degeneration(ans)

230) contraindicated in a diabetic

ray amputation

symes amputation

transmetatarsal amputation

below ankle amputation

231) migratory thrombophlebitis is not seen in

ca colon

ca pancreas

ca prostate

ca lung ANS

232) a patient with prolonged aptt, underwent a surgery without any bleeding
complication... which factor is deficient

V ans?

VII

XII

X

233) Pin index

234) heparin release- lip lipase

235) crosses bbb- physostigmine

236) buspirone a/e sedative

237) Interstitial nephritis is C/B

1 methicillin ans

2 cloxacillin

3 amoxicillin

238) Neural cells expt- Ependymal phagocytosis

239) sertoli cell secrets-

ans-androgen binding protien

240) MM- IL 6

241) 30 years male SUDDEN Backache with right sided radiculopathy IN ABILITY TO PASS URINE ETC...-LUMBAR CANL STENOSIS/CAUDA EQUINA SYN/?

242) spiramycin toxoplasmosis

243) Coagulation necrosis: 4 days after MI

244) venous air embolism during surg seen with

supine

sitting ans

prone

lateral position

245) catII TBans-

defaulter

246) weaning mode of ventilation a/e Pressure control

247) LAP decreased in CML

248) paronyhia best treatment. Partial nail removal/nail removal/ lifting of eponychium

249) Acute Tubular Necrosis/ SIADH causes eu volumic Hyponatremia