

PROVISIONAL ANSWER KEY

Question Paper Code: 4/2022/OL
Category Code: 161/2020
Exam: Junior Consultant (General Medicine) (NCA- Muslim)
Date of Test: 05-03-2022
Department: Health Services
Alphacode: A

Question1:-CADASIL is an inherited disorder due to mutation in

- A:-NOTCH 1
- B:-NOTCH 2
- C:-NOTCH 3
- D:-NOTCH 4

Correct Answer:- Option-C

Question2:-Drug of Choice in Paroxysmal hemicrania is

- A:-Indomethacin
- B:-100%O₂
- C:-Sumatriptan
- D:-Topiramate

Correct Answer:- Option-A

Question3:-Variant of GBS associated with ophthalmoplegia ataxia and areflexia

- A:-AMAN
- B:-AMSAN
- C:-Miller fisher syndrome
- D:-Bickerstaff variant

Correct Answer:- Option-C

Question4:-Which among the following degenerative brain disease is not tauopathy ?

- A:-PSP
- B:-Alzheimer's disease
- C:-Lewy Body disease
- D:-Frontotemporal Dementia

Correct Answer:- Option-C

Question5:-Periodic Lateralized Epileptiform discharges in EEG is seen in

- A:-HSV encephalitis
- B:-JME
- C:-Prion disease
- D:-Lennox Gestaut syndrome

Correct Answer:- Option-A

Question6:-All of the following diseases are associated with massive splenomegaly Except

- A:-Hairy cell leukemia
- B:-Polycythemia vera
- C:-Splenic abscess
- D:-ChronicLymphocytic leukemia

Correct Answer:- Option-C

Question7:-Smudge cells are seen in

- A:-CLL
- B:-DLBCL
- C:-Marginal zone lymphoma
- D:-Mantle cell lymphoma

Correct Answer:- Option-A

Question8:-All of the following drugs are used in the treatment of CML Except

- A:-Dasatinib
- B:-Tofacitinib
- C:-Imatinib
- D:-Nilotinib

Correct Answer:- Option-B

Question9:-Adverse prognostic genotypes in Acute Myeloid Leukemia are all Except

- A:-t(6, 9)
- B:-t(8, 21)
- C:-t(9, 22)
- D:-inv 3

Correct Answer:- Option-B

Question10:-Most common type of Multiple Myeloma is

- A:-Ig D
- B:-Ig A
- C:-Ig M
- D:-Ig G

Correct Answer:- Option-D

Question11:-Most Common granulomatousILD is

- A:-Sarcoidosis
- B:-Granulomatous vasculitides
- C:-Coal workers pneumoconiosis
- D:-Bird fanciers Lung

Correct Answer:- Option-A

Question12:-Infective cause of Bronchiectasis includes

- A:-Mycobacterium bacterium AviumIntracellulare complex
- B:-Allergic bronchopulmonaryaspergillosis
- C:-All of the above
- D:-None of the above

Correct Answer:- Option-C

Question13:-UIP pattern in HRCT is more common in ILD patients with which myositis auto antibody

- A:-Anti Jo 1
- B:-Anti PL-12
- C:-Anti PL-7
- D:-MDA-5

Correct Answer:- Option-B

Question14:-Indication of a procedure more than Thoracocentesis in a case of pleural effusion includes all Except

- A:-Loculated pleural fluid
- B:-Pleural fluid pH less than 7.2
- C:-Pleural fluid glucose more than 60 mg/dl
- D:-Positive gram stain or culture

Correct Answer:- Option-C

Question15:-As per LUNG SAFE trial mortality of mild ARDS is

- A:-15.9%
- B:-5.7%
- C:-34.9%
- D:-25.6%

Correct Answer:- Option-C

Question16:-Features of a benign Adrenal mass are all Except

- A:-Tumor size less than one cm

B:-Normal biochemistry

C:-Tumor size less than 0.5 cm

D:-Tumor radiodensity less than 10 HU

Correct Answer:- Option-C

Question17:-Primary adrenal insufficiency is most commonly caused by

A:-Autoimmune adrenalitis

B:-Tuberculosis

C:-Adrenal hemorrhage

D:-Drug induced

Correct Answer:- Option-A

Question18:-McCune Albright syndrome triad includes

A:-Cafe au Lait pigmentation

B:-Peripheral precocious puberty

C:-Polyostotic fibrous dysplasia

D:-Thyrotoxicosis

Correct Answer:- Option-D

Question19:-Anti obesity drugs approved by USFDA since 2012 includes all Except

A:-Metformin

B:-Lorcaserin

C:-Phentermine/topiramate extended release

D:-Liraglutide

Correct Answer:- Option-A

Question20:-Post prandial hypoglycemia is associated with which all Except

A:-Glycogen storage disorders

B:-Inherited fructose intolerance

C:-Congenital disorders of glycosylation

D:-Glucokinase and potassium channel mutations

Correct Answer:- Option-A

Question21:-5 year risk of rupture of Abdominal aortic aneurysms more than 5 cm is

A:-10-20%

B:-1-2%

C:-20-40%

D:-15-30%

Correct Answer:- Option-C

Question22:-As per WHO classification of Heart diseases in pregnancy, diseases where pregnancy is contraindicated (WHO IV) includes all Except

A:-Pulmonary arterial hypertension

B:-Marfans syndrome with Aorta dilated more than 45 mm

C:-LV ejection fraction less than 30%

D:-Aorta dilatation 45-50 mm in bicuspid aortic valve

Correct Answer:- Option-D

Question23:-Regarding bicuspid Aortic valve all are true Except

A:-Most common congenital Heart defect

B:-Male female ratio is 2-4 : 1

C:-Autosomal recessive inheritance pattern

D:-Ascending aortic aneurysm can occur commonly

Correct Answer:- Option-C

Question24:-Thickened ventricular wall with ECG showing Low voltage complexes is a well recognised feature of which Cardiac disease

A:-Carcinoid syndrome

B:-Sarcoidosis

C:-Amyloidosis

D:-Antiphospholipid antibody syndrome

Correct Answer:- Option-C

Question25:-Intravenous antiplatelet agents used in Coronary artery disease includes all Except

A:-Cangrelor

B:-Tirofiban

C:-Bivalirudin

D:-Abciximab

Correct Answer:- Option-C

Question26:-Following are the features of gonococcal Arthritis Except

A:-Consequence of bacteremia arising from gonococcal infection

B:-Infection from asymptomatic gonococcal mucosal colonization

C:-Greatest risk during menses and pregnancies

D:-More common in men

Correct Answer:- Option-D

Question27:-Features of cat bites include all Except

A:-More likely to develop septic arthritis and osteomyelitis than dog bite

B:-Pasteurella multocida normal component of the feline oral flora

C:-Pasteurella multocida cause cat scratch disease

D:-Tularemia reported following cat bite

Correct Answer:- Option-C

Question28:-Drug treatment of plague includes all Except

A:-Macrolide

B:-Gentamicin

C:-Ciprofloxacin

D:-Tetracyclin

Correct Answer:- Option-A

Question29:-Regarding tetanus - correct statements include

A:-Presynaptic inhibition

B:-Postsynaptic inhibition

C:-Diagnosis mainly from culture of *C. Tetani* from a wound

D:-IV magnesium sulfate should not be given

Correct Answer:- Option-A

Question30:-Antibacterial agents major target on protein synthesis include

A:-Rifamycins

B:-Fosfomycin

C:-Lincosamides

D:-Sulfonamide

Correct Answer:- Option-C

Question31:-Causes of bone marrow suppression in patient with HIV infection include

A:-HIV infection

B:-Lymphoma

C:-Zidovudine

D:-All the above

Correct Answer:- Option-D

Question32:-Laboratory investigation in Rabies include

A:-CSF - severe pleocytosis

B:-Abnormal CT Scan

C:-EEG confirmatory

D:-None of the above

Correct Answer:- Option-D

Question33:-Major manifestation of Aspergillosis include

- A:-Acute invasive sinusitis
- B:-Haemorrhagic infarction
- C:-Endocarditis
- D:-All the above

Correct Answer:- Option-D

Question34:-Ivermectin - correct statement include

- A:-Active against helminth and ectoparasites
- B:-Drug of choice for onchocerciasis
- C:-Ineffective against Hookworm
- D:-All of the above

Correct Answer:- Option-D

Question35:-Mechanism of hypoglycemia in Malaria include

- A:-Failure of Hepatic gluconeogenesis
- B:-Increase consumption of glucose by host and malarial parasites
- C:-Treatment with quinine
- D:-All of the above

Correct Answer:- Option-D

Question36:-Liver involvement in systemic disease include

- A:-Sarcoidosis
- B:-Amyloidosis
- C:-Coeliac disease
- D:-All of the above

Correct Answer:- Option-D

Question37:-Isolated elevation of Alkaline phosphatase include all Except

- A:-Hodgkins disease
- B:-Diabetes
- C:-Hyperthyroidism
- D:-Osteosclerotic secondaries in brain

Correct Answer:- Option-D

Question38:-Indication of liver transplantation include

- A:-Autoimmune hepatitis
- B:-Primary biliary cirrhosis
- C:-Hepatic vein thrombosis
- D:-All of the above

Correct Answer:- Option-D

Question39:-Pigment gall stone is seen in

- A:-Cystic fibrosis
- B:-Primary biliary cirrhosis
- C:-Obesity
- D:-Pregnancy

Correct Answer:- Option-A

Question40:-Serological pattern of hepatitis B infection in the remote past include

- A:-Hb s Ag -ve
- B:-Hb e Ag -ve
- C:-Ig G Anti Hb c +ve
- D:-All the above

Correct Answer:- Option-D

Question41:-NSAID induced mucosal injury of stomach is mainly by

- A:- ↓ce prostaglandin production

B:- ↑ ce Epithelial cell proliferation

C:- ↑ ce Mucin secretion

D:- ↑ ce surface active phospholipid secretion

Correct Answer:- Option-A

Question42:-Non pancreatic causes of hyper amylaseuria include

A:-Diabetic ketoacidosis

B:-Sarcoidosis

C:-Peptic ulcer disease

D:-Carcinoma stomach

Correct Answer:- Option-A

Question43:-Hyper phosphatemia and hypocalcemia is seen in

A:-Heamolysis

B:-Tumorlysis syndrome

C:-Rhabdomyolysis

D:-All the above

Correct Answer:- Option-D

Question44:-Urinary eosinophilia is seen in

A:-Athero embolic disease

B:-Sclerodermacrasis

C:-Vasculitis

D:-Uric acid nephropathy

Correct Answer:- Option-A

Question45:-Non-dietary risk factor for nephrolithiasis

A:-Age

B:-Body size

C:-Environment

D:-All the above

Correct Answer:- Option-D

Question46:-Treatment of incontinence with incomplete bladder emptying in elderly include

A:-α adrenergic antagonist

B:-Pelvic muscle exercise

C:-α adrenergic agonist

D:-Anti-muscarinic drug

Correct Answer:- Option-A

Question47:-Features of Lepromatous leprosy include

A:-Xanthoma like papules

B:-Leonine facies

C:-Eyebrow alopecia

D:-All of the above

Correct Answer:- Option-D

Question48:-Most common presentation of extra-pulmonary TB in HIV +ve infected patient include

A:-Lymphnode TB

B:-Pleural TB

C:-Genito urinary TB

D:-TB of upper airway

Correct Answer:- Option-A

Question49:-Most common clinical presentation of Wegener's granulomatosis include

A:-Arthralgia

B:-Pleuritis

C:-Glomerulo nephritis

D:-ENT involvement

Correct Answer:- Option-D

Question50:-Most common abnormalities of liver function in patient with sarcoidosis include

A:- ↑ Bilirubin

B:- ↑ ce alkaline phosphatase

C:- ↑ Transaminase

D:- ↑ ce PTINR

Correct Answer:- Option-B

Question51:-Hyperkalemia is caused by poisoning with the following Except

A:-Alpha adrenergic agonist

B:-Cardiac glycoside

C:-Fluoride

D:-Theophylline

Correct Answer:- Option-D

Question52:-In poisoning with tricyclic antidepressants which of the following statement/statements is/are true

i) Sodium bicarbonate is used to treat ventricular arrhythmias.

ii) Amiodarone is used to treat ventricular arrhythmias.

iii) Ibutilide is used to treat ventricular arrhythmias.

A:-i, ii, iii

B:-ii only

C:-ii and iii only

D:-i only

Correct Answer:- Option-D

Question53:-In Lead poisoning which of the following statement/statements is/are true

i) Common symptoms are colicky abdominal pain, constipation, headache and irritability.

ii) Motor neuropathy can occur in lead poisoning.

iii) Serum is used to assay lead level in the body.

A:-i, ii, iii

B:-i and ii only

C:-i and iii only

D:-ii only

Correct Answer:- Option-B

Question54:-Regarding Krait bite envenomation all the following are true Except

A:-It affects presynaptic fibres

B:-Calcium gluconate is used in treatment

C:-Neostigmine is effective to treat neuroparalysis

D:-Local reaction at the site of bite is minimal

Correct Answer:- Option-C

Question55:-Regarding Arsenic poisoning all the following are true Except

A:-Acute poisoning causes hemorrhagic gastroenteritis

B:-Beau's lines are found in nails

C:-Dimercaprol is used in treatment

D:-Organic arsenic ingested is non toxic

Correct Answer:- Option-B

Question56:-Preferred agent for treatment of eclamptic seizures

A:-Lorazepam

B:-Diazepam

C:-Magnesium sulfate

D:-Phenytoin

Correct Answer:- Option-C

Question57:-Regarding Valvular Heart Diseases in pregnancy which of the following statement/statements is/are true

i) Mitral stenosis is the valvular disease most likely to cause death during pregnancy.

ii) Pregnancy reduces the risk of cardiac failure in women with chronic mitral regurgitation or aortic regurgitation.

iii) For women with mitral or aortic regurgitation and LV Ejection Fraction < 30% pregnancy should be avoided.

A:-i, ii, iii

B:-i and iii

C:-iii only

D:-i only

Correct Answer:- Option-A

Question58:-Which of the following statement/statements is/are true

i) Asymptomatic bacteriuria in pregnancy is not associated with an adverse outcome of pregnancy.

ii) All pregnant women should be screened with a urine culture for asymptomatic bacteriuria at first antenatal visit.

iii) Pregnant women with recurrent urinary tract infections should be considered for daily antibiotic suppressive treatment throughout the remainder of pregnancy.

A:-i, ii, iii

B:-ii and iii

C:-i and ii

D:-iii only

Correct Answer:- Option-A

Question59:-In Gestational Diabetes the following complications are seen in fetus Except

A:-Hypoglycemia

B:-Hyperbilirubinemia

C:-Anemia

D:-Hyperglycemia

Correct Answer:- Option-C

Question60:-Acute fatty liver of pregnancy is characterized by all Except

A:-Hypoglycemia

B:-Increased levels of serum ammonia

C:-Hyper bilirubinemia

D:-Hyperglycemia

Correct Answer:- Option-D

Question61:-Which of the following statement/statements is/are true regarding Osteoporosis ?

i) Glucocorticoids are the most common cause of drug induced osteoporosis.

ii) A T score of >-2.5 in the lumbar spine is defined as osteoporosis.

iii) In perimenopausal women spine bone density measurements performed by DXA is the most sensitive indicator of bone loss.

A:-i, ii, iii

B:-ii and iii

C:-i and iii

D:-i only

Correct Answer:- Option-C

Question62:-In Paget's disease the following statement/statements is/are true

i) The principal abnormality is the decreased number and activity of osteoclasts.

ii) Blood Alkaline Phosphatase (ALP) levels are increased.

iii) Most common presenting symptom is pain.

A:-i and ii

B:-i, ii, iii

C:-ii and iii

D:-ii only

Correct Answer:- Option-C

Question63:-Hypercalcemia is caused by all Except

A:-Hyperthyroidism

B:-Sarcoidosis

C:-Thiazide Diuretics

D:-Phenytoin

Correct Answer:- Option-D

Question64:-Williams' syndrome is characterized by all Except

A:-Supravalvular Aortic stenosis

B:-Mental retardation

C:-Hypocalcemia

D:-Elfin facies

Correct Answer:- Option-C

Question65:-Which of the following statement/statements is/are true regarding Primary Hyperparathyroidism ?

- i) Solitary Adenomas of Parathyroid are most common cause of primary hyperparathyroidism.
- ii) Hypercalcemia and hyperphosphatemia are seen.
- iii) Serum Calcium level $>1\text{mg/dL}$ above normal value is an indication for surgery.

A:-i, ii, iii

B:-i and ii

C:-i and iii

D:-i only

Correct Answer:- Option-C

Question66:-The initial investigation of choice for suspected subarachnoid hemorrhage is

A:-Plain CT

B:-MRI

C:-CT angiogram

D:-CT with contrast enhancement

Correct Answer:- Option-A

Question67:-All are risk factors for contrast nephropathy Except

A:-Age > 60 years

B:-Serum Creatinine $> 2\text{mg/dL}$

C:-Diabetes Mellitus

D:-Solitary Kidney

Correct Answer:- Option-A

Question68:-Gold standard imaging test to diagnose Pulmonary Embolism

A:-CT Pulmonary Angiography

B:-MR Pulmonary Angiography

C:-Echocardiography

D:-Ventilation Perfusion Scan

Correct Answer:- Option-A

Question69:-Mc Connell's sign is seen in

A:-Pulmonary Embolism

B:-Sub Arachnoid Hemorrhage

C:-Pleural Effusion

D:-Pneumothorax

Correct Answer:- Option-A

Question70:-An example of Stochastic effect after radiation exposure is

A:-Lymphocyte depletion

B:-Gastrointestinal Mucosal Toxicity

C:-Cataract

D:-Carcinogenesis

Correct Answer:- Option-D

Question71:-Functions of State Medical Councils include all Except

A:-Medical Register

B:-Disciplinary control over medical practitioners

C:-Issue of warning notice

D:-Prescribe standards of medical education

Correct Answer:- Option-D

Question72:-Routine clinical examination of a patient by a Doctor is under

A:-Implied consent

B:-Informed consent

C:-Express consent

D:-None of the above

Correct Answer:- Option-A

Question73:-The following statement/statements is/are true regarding rights of a Registered Medical Practitioner

- i) Right to choose patient.
- ii) Right to possess and supply dangerous drugs to his patient.
- iii) Right to recovery of fees.

A:-i, ii, iii

B:-i and iii only

C:-i and ii only

D:-i only

Correct Answer:- Option-A

Question74:-For medical termination of pregnancy opinion of a single Doctor is required if period of pregnancy is less than

A:-12 weeks

B:-16 weeks

C:-20 weeks

D:-24 weeks

Correct Answer:- Option-A

Question75:-Post Marketing Surveillance is also called as

A:-Phase 1 trial

B:-Phase 4 trial

C:-Phase 3 trial

D:-Phase 2 trial

Correct Answer:- Option-B

Question76:-Which of the following cells secrete interferon gamma ?

A:-Th1 T cells

B:-Th2 T cells

C:-TH9 T cells

D:-TH17 T cells

Correct Answer:- Option-A

Question77:-All of the following diseases are associated with inflammasome overactivity Except

A:-Familial Mediterranean fever

B:-Crohn's disease

C:-Vitiligo

D:-Pyoderma Gangrenosum

Correct Answer:- Option-B

Question78:-Which of the following cytokine promotes wound healing ?

A:-IL-3

B:-IL-7

C:-IL-24

D:-IL-16

Correct Answer:- Option-C

Question79:-Delayed hypersensitivity reactions play a major role in the following diseases Except

A:-Histoplasmosis

B:-Hypersensitivity pneumonia

C:-Temporal arteritis

D:-Pemphigus Vulgaris

Correct Answer:- Option-D

Question80:-Which of the following monoclonal antibody is used in the treatment of Multiple Sclerosis ?

A:-Natalizumab

B:-Rituximab

C:-Omalizumab

D:-Efalizumab

Correct Answer:- Option-A

Question81:-Which of the following is a very rare neurological manifestation of SLE ?

A:-Cognitive Disorder

B:-Aseptic Meningitis

C:-Mood Disorder

D:-Headache

Correct Answer:- Option-B

Question82:-All of the following drugs may be used for the treatment of rheumatoid arthritis flare during pregnancy Except

A:-Hydroxychloroquine

B:-Sulfasalazine

C:-Leflunomide

D:-Prednisolone

Correct Answer:- Option-C

Question83:-Systemic Sclerosis specific autoantibodies associated with pulmonary artery hypertension includes all of the following Except

A:-U1RNP

B:-Th/To

C:-U3RNP

D:-Ku

Correct Answer:- Option-D

Question84:-Most commonly involved artery in Takayasu Arteritis is

A:-Subclavian

B:-Coronary

C:-Iliac

D:- Superior Mesenteric

Correct Answer:- Option-A

Question85:-Cutaneous manifestation of Dermatomyositis include

i) Gottron sign

ii) V sign

iii) Shawl sign

A:-i Only

B:-i and iii only

C:-ii and iii only

D:-All of the above

Correct Answer:- Option-D

Question86:-Which of the following solution can be ideally used for the correction of hypovolemia with hypernatremia ?

A:-5% dextrose

B:-Normal saline

C:-Dextrose normal saline

D:-Ringer lactate

Correct Answer:- Option-A

Question87:-Sites of extrapontine myelinolysis include all of the following Except

A:-Cerebellum

B:-Lateral geniculate body

C:-Corpus callosum

D:-Putamen

Correct Answer:- Option-C

Question88:-Features of thyrotoxic periodic paralysis include

i) Hypokalemia

ii) Hypophosphatemia

iii) Hypomagnesemia

iv) High dose propranolol rapidly reverses the abnormalities

- A:-i only
- B:-i and iv only
- C:-i and iii only
- D:-All of the above

Correct Answer:- Option-D

Question89:-Hypocalcemia with hyperparathyroidism is seen in

- A:-Di George's syndrome
- B:-Hypomagnesemia
- C:-Autosomal dominant hypocalcemia
- D:-Pseudohypoparathyroidism

Correct Answer:- Option-D

Question90:-All of the following are causes of high anion gap metabolic acidosis Except

- A:-Ethylene Glycol
- B:-Salicylates
- C:-Acetazolamide
- D:-Pyroglutamic acid

Correct Answer:- Option-C

Question91:-Non invasive ventilation is contraindicated in all of the following conditions Except

- A:-Severe gastrointestinal bleed
- B:-Respiratory acidosis
- C:-Acute myocardial infarction
- D:-Upper airway obstruction

Correct Answer:- Option-B

Question92:-Decreased right atrial pressure, decreased pulmonary artery systolic pressure, increased cardiac index and decreased systemic vascular resistance is seen in

- A:-Cardiogenic shock
- B:-Septic shock
- C:-Hypovolemic shock
- D:-Pulmonary oedema

Correct Answer:- Option-B

Question93:-Most common cause of sudden cardiac death is

- A:-Inherited arrhythmic syndrome
- B:-Cardiomyopathies
- C:-Coronary heart disease
- D:-Idiopathic ventricular fibrillation

Correct Answer:- Option-C

Question94:-Second tier therapies for refractory elevated intracranial pressure include all of the following Except

- A:-Decompressive craniotomy
- B:-Pentobarb coma
- C:-Hyperventilation
- D:-Hypothermia to 33°C

Correct Answer:- Option-C

Question95:-Mild motor or cranial nerve deficit, somnolence and confusion are features of

- A:-Grade 2 SAH
- B:-Grade 3 SAH
- C:-Grade 4 SAH
- D:-Grade 5 SAH

Correct Answer:- Option-B

Question96:-Post transplant lymphoproliferative disease is a complication of

- A:-Tacrolimus

B:-Belatacept

C:-Sirolimus

D:-Cyclosporine

Correct Answer:- Option-B

Question97:-Contraindication for IV recombinant tissue plasminogen activator includes all of the following Except

A:-Recent myocardial infarction

B:-Gastrointestinal bleeding

C:-CT Brain showing oedema of >1/3 of the MCA territory

D:-Sustained BP > 185/110 mm of Hg

Correct Answer:- Option-C

Question98:-Clinical features of tension pneumothorax includes all of the following Except

A:-Hypotension

B:-Hypoxemia

C:-Hyperresonance to percussion

D:-Mediastinal shift to ipsilateral side

Correct Answer:- Option-D

Question99:-Drug of choice for the treatment of serum sickness following anti snake venom administration is

A:-Systemic glucocorticoides

B:-IV mannitol

C:-Atropine

D:-Neostigmine

Correct Answer:- Option-A

Question100:-Tap test is useful to diagnose

A:-Widow spider bite

B:-Scorpion sting

C:-Wasp sting

D:-Recluse spider bite

Correct Answer:- Option-B