

RAJASTHAN UNIVERSITY OF HEALTH SCIENCES, JAIPUR

MEDICAL OFFICER (MEDICAL) RECRUITMENT EXAMINATION 2018

Date of Exam: 18th May 2018 [12:30 PM to 02:30 PM]
Multiple Choice Question paper & Answer Key
Correct Answer is mentioned in Square Brackets.

Q 1: Bigelow's ligament is at

- a. Knee joint
- b. Shoulder joint
- c. Hip joint
- d. Ankle joint

[c]

Q 2: Deltoid ligament is attached to all except

- a. Medial malleolus
- b. Medial cuneiform
- c. Spring ligament
- d. Sustentaculum tali

[b]

Q 3: Which of the following is the most common renal vascular anomaly

- a. Supernumerary renal arteries
- b. Supernumerary renal veins
- c. Double renal arteries
- d. Double renal veins

[a]

Q 4: Holocrine secretion is seen in..... Gland

- a. Salivary
- b. Mammary
- c. Sebaceous gland
- d. Gastric

[c]

Q 5: Laryngeal skeleton has.....cartilages

- a. 3 paired, 2 unpaired
- b. 3 paired, 3 unpaired
- c. 2 paired, 3 unpaired
- d. 2 paired, 2 unpaired

[b]

Q 6: The nucleus involved in Papez circuit is

- a. Pulvinar
- b. Intralaminar
- c. VPL nucleus
- d. Anterior nucleus of Thalamus

[d]

Q 7: Central wrapping is done by

- a. Flower spray ending
- b. Annulospiral ending
- c. Golitendon
- d. Type II fiber

[b]

Q 8: Caisson's disease

a. Gas embolism

b. Fat embolism

c. Amniotic fluid embolism

d. Tumor embolism

[a]

Q 9: Volume determination preload is

a. End diastolic volume of ventricles

b. Endo systolic volume

c. Volume of blood in Aorta

d. Ventricular ejection volume

[a]

Q 10 Best test for GFR is with

a. Inulin

b. Hippuric acid

c. Creatinine

d. PAH

[a]

Q 11 Vitamin K is involved in the posttranslational modification

a. Glutamate

b. Aspartate

c. Leucine

d. Lysine

[a]

Q 12 Which of the following is luminous

a.Porphyrin

b.Zymogen

c.Chromatin

d.Albumin

[a]

Q 13 The best method to differentiate Proteins is by

a.Gel chromatography

b.Affinity chromatography

c.Ion exchange electrophoresis

d. None of these

[a]

Q 14 Lac operon transcription is induced by

a.Glucose

b.Glucose with inducer

c.Inducer without glucose

d. All of these

[c]

Q 15-Cyanide is toxic because it

a. Inhibits cytochrome oxidase

b. Forms cyan meth Hb

c.Inhibits ATP carrier in mitochondria

d. Inhibits Na-K-ATPase

[a]

Q16. A lady wants LASIK surgery for her daughter. She asks for your opinion. All the following things are suitable for performing LASIK surgery except:

- a. Myopia of 4 Diopters
- b. Age of 15 years
- c. Stable refraction for 1 year
- d. Corneal thickness of 600 microns [b]

Q17. Herbert's pits are seen in

- a. Trachoma
- b. Spring catarrh
- c. Phlyctenular conjunctivitis
- d. Sarcidosis [a]

Q18. All of the following occur in herpes zoster ophthalmicus except

- a. Anterior stromal Keratitis
- b. Pseudodendritic Keratitis
- c. Sclerokeratitis
- d. Endothelitis [c]

Q19. PHPV is associated with which of the following

- a. Patau syndrome
- b. Down syndrome
- c. Tuberous sclerosis
- d. Sturge weber syndrome [a]

Q 20. Degree of Diabetic retinopathy depends on

a. Type of disease

b. Duration of disease

c. Severity of disease

d. Retinal involvement

[a]

Q 21. What is March fracture

a. Fracture of 2nd metatarsal

b. Fracture of 4th metatarsal

c. Fracture of cuboids

d. Fracture of tibia

[a]

Q 22. Pain due to post – amputation neuroma is best treated by

a. Infrared therapy

b. Interference therapy

c. Ultrasound therapy

d. Surgical Excision

[d]

Q23. Which nerve involved in anterior dislocation of the shoulder is

a. Radial nerve

b. Axillary nerve

c. Ulnar nerve

d. Musculocutaneous nerve

[b]

Q24. Trady unlar nerve palsy caused by

a.Supracondylar #

b.Lateral condylar #

c. Olecranon #

d.Intercondylar #

[b]

Q25. Avulsion of extensor tendon give rise to

a.Mallet finger

b.Dupuytren's contracture

c. Trigger finger

d. Swan neck deformity

[a]

Q 26.The most reliable criteria in Gustafson's method of identification is

a. Cementum apposition

b. Transparency of root

c. Attrition

d. Root resorption

[b]

Q27.A deep incised wound, Langer's lines determine

a. Direction

b. Gaping

c. Shelving

d. Healing

[b]

Q 28. Sexual asphyxia is associated with

- a. Sadism
- b. Masochism
- c. Fetichism
- d. Vouyerism

[b]

Q29. Maggots in rainy day are seen within

- a. 6 hours
- b. 1-2 days
- c. 2-4 days
- d. 5-6 days

[c]

Q 30. Professional death sentence is

- a. Imprisonment for whole life
- b. Rigorous imprisonment
- c. Erasing the name from the panel of RMPs
- d. None of these

[c]

Q31. Definitive diagnosis of acute pancreatitis is done by

- a) Amylase
- b) Serum alkaline phosphatase
- c) Increased calcium
- d) Hyperglycemia

[a]

Q32. Isomolar urine is seen in

- a) ATN
- b) Diabetes insipidus
- c) Severe dehydration
- d) PCKD

[a]

Q33. Episodic muscular weakness is seen in all except

- a) Hyperkalemia
- b) Myasthenia Gravis
- c) Hyperphosphatemia
- d) Lambert Eaton syndrome

[c]

Q34. Drug of choice to control supraventricular tachycardia

- a) Adenosine
- b) Propranolol
- c) Verapamil
- d) Digoxin

[a]

Q35. Most common type of hepatitis responsible for epidemics in India is

- a) Hepatitis A
- b) Hepatitis B
- c) Hepatitis C
- d) Hepatitis E

[d]

Q36. Treatment of 42 year old obese man with blood glucose 450 mg, urine albumin 2+, sugar 4+, ketone 1+ is

- a) Insulin
- b) Glibenclamide
- c) Glipizide
- d) Metformin

[a]

Q37. ROSE questionnaire is used for

- a) Alcohol addiction
- b) Sex addiction
- c) Angina assessment
- d) Deep vein thrombosis assessment

[c]

Q38. Which drug is essential in Sheehan's syndrome

- a) Estrogen
- b) Cortisone
- c) Thyroxin
- d) Growth hormone

[b]

Q39. Damage to superior branch of middle cerebral artery results in

- a) Personality change
- b) Motor aphasia
- c) Urinary incontinence
- d) Sensory aphasia

[b]

Q40. Which of the following is not a nucleoside reverse transcriptase inhibitor

- a) Zalcitabine
- b) Lamivudine
- c) Nevirapine
- d) Didanosine

[b]

Q41. Contrast media of choice for myelogram is

- a. Urografin 75%
- b. Conray 470
- c. Iohexol
- d. Biligradin

[c]

Q42. MRI rooms are shielded completely by a continuous sheet or wire mesh of copper or aluminium to shield the imager from external electromagnetic radiations, etc. It is called

- a. Maxwell cage
- b. Faraday cage
- c. Edison's cage
- d. Ohms cage

[b]

Q43. A 20 yr female comes with a mass in the cavernous sinus and 6th cranial nerve palsy. In T2W MRI hyperintense shadow is present which shows homogenous contrast enhancement. Diagnosis is

- a. Schwannoma
- b. Meningioma
- c. Astrocytoma
- d. Cavernous sinus hemangioma

[b]

Q44. All are seen in congestive heart failure except

a. Kerly B lines

b. Prominent lower lobe vessel

c. Pleural Effusions

d. Cardiomegaly

[b]

Q45. Popcorn calcification is characteristically seen in

a. TB

b. Metastasis

c. Pulmonary hamartoma

d. Fungal invagination

[c]

Q 46. The following are true about hepatocellular carcinoma except

a. It has high incidence in East Africa & South East Asia

b. Its worldwide incidence parallels the prevalence of hepatitis B

c. Over 80% of tumours are surgically resectable

d. Liver transplantation offers the only chance of cure in those with irresectable disease

[c]

Q 47. Stone which is resistant to lithotripsy

a. Calcium oxalate

b. Triple phosphate stone

c. Cystine stone

d. Uric acid stone

[c]

Q 48. Mayo's operation is done for

a. Spigelian hernia

b. Femoral hernia

c. Richer's hernia

d. Umbilical hernia

[d]

Q 49. Which one of the following is not an intravesical chemotherapeutic agent

- a. Mitomycin C
- b. BCG
- c. Epirubicin
- d. Thiotepa

[b]

Q 50. Circumcision is included in management of carcinoma penis at

- a. Glans
- b. Prepuce
- c. Glanduloprepuce
- d. Shaft of penis

[b]

Q 51. Which fruit juice helps in preventing UTI

- a. Grape
- b. Raspberry
- c. Cranberry
- d. Orange

[c]

Q 52. First line of treatment for keloid is

- a. Intralesional injection of steroid
- b. Local steroid
- c. Radiotherapy
- d. Wider excision

[a]

Q 53. TPN is indicated in all except

- a. Short bowel syndrome
- b. Burn
- c. Sepsis
- d. Enterocutaneous fistula

[a]

Q 54. In Glasgow Coma Scale all of the following are considered except

- a. Eye opening
- b. Verbal response
- c. Motor response
- d. Sensory response

[d]

Q 55. Hyperbaric oxygen is useful in

- a. Tetanus
- b. Gas gangrene
- c. Frostbite
- d. Vincent's angina

[b]

Q 56. Which of the following drug causes Pseudotumourcerebri

- a. Sparfloxacin
- b. Tetracycline
- c. Gentamicin
- d. Clofazimine

[b]

Q 57. Antihelminthic which also acts as immunomodulator is

- a. Albendazole
- b. Levamisole
- c. Mebendazole
- d. Piperazine

[b]

Q 58. Drug which arrests mitosis in metaphase

- a. Busulfan
- b. 5-FU
- c. Vinca Alkaloids
- d. Methotrexate

[c]

Q 59. Nitrates are not used in

- a. CCF
- b. Esophageal spasm
- c. Renal colic
- d. Cyanide poisoning

[c]

Q 60. Shortest acting anticholinesterase is

- a. Edrophonium
- b. Pyridostigmine
- c. Glycopyrrolate
- d. Neostigmine

[a]

Q 61. CD4 is not important for which of the following

- a. Cytotoxicity of T-cells
- b. Memory B-cells
- c. Opsonization
- d. Immunoglobulin production [d]

Q 62. A 40 years old male had undergone splenectomy 20 years ago. Peripheral blood smear examination would show the presence of

- a. Dohle bodies
- b. Hypersegmented neutrophils
- c. Spherocytes
- d. Howell-Jolly bodies [d]

Q 63. Which of the following metabolic abnormality is seen in multiple myeloma

- a. Hyponatremia
- b. Hypokalemia
- c. Hypercalcemia
- d. Hyperphosphatemia [c]

Q 64. Feature of essential hypertension

- a. Concentric hypertrophy of LV
- b. Increased size of heart muscles
- c. Myohypertrophy
- d. Myohyperplasia [a]

Q 65. All are non-proliferative glomerulonephritis, except

- a. Membranous glomerulonephritis
- b. Mesangiocapillary glomerulonephritis
- c. Diabetic glomerulosclerosis
- d. Amyloidosis [b]

Q 66. False about alcohol in disinfection is

- a. Ethanol is used
- b. Isopropyl alcohol is used
- c. Has sporicidal activity
- d. Has bactericidal activity [c]

Q 67. Incubation period for B. crerus

- a. 1-6 hours
 - b. 8-16 hours
 - c. Both of the above
 - d. None of the above
- a. a
b. b
c. c
d. d

[c]

Q 68. Tuberculin test is positive if induration is

- a. >2mm
- b. >5mm
- c. >7mm
- d. >10 mm

[d]

Q 69. Syphilis was first identified by

- a. Fraenkel
- b. Nicolaicu
- c. Schaudinn& Hoffman
- d. Ogston

[c]

Q 70. Which is an enveloped virus

- a. Dengue virus
- b. Norwalk virus
- c. Hepatitis A virus
- d. Adenovirus

[a]

Q 71. All open into hiatus semilunaris except

- a. Posterior ethmoidal sinus
- b. Anterior ethmoidal sinus
- c. Frontal sinus
- d. Maxillary sinus

[a]

Q 72. Which intervention is best in patients operated for bilateral acoustic neuroma for hearing rehabilitation

- a. Brainstem hearing implant
- b. Bilateral cochlear implant
- c. Unilateral cochlear implant
- d. Myringoplasty

[a]

Q 73. Otitis media with effusion is also known as all except

- a. Serous otitis media
- b. Suppurative otitis media
- c. Mucoïd otitis media
- d. Secretory otitis media

[b]

Q 74. In an one year old child intubation is done using

- a. Straight blade with uncuffed tube
- b. Curved blade with uncuffed tube
- c. Straight blade with cuffed tube
- d. Curved blade with cuffed tube

[a]

Q 75. Phelp's sign is seen in

- a. Glomus jugulare
- b. Vestibular schwannoma
- c. Maniere's disease
- d. Neurofibromatosis

[a]

Q 76. Vital ICD is reviewed once in every

- a. 2 years
- b. 5 years
- c. 8 years
- d. 10 years

[d]

Q 77. Father of Evidence based Medicine is

- a. Sackett
- b. Da vinci
- c. Hippocrates
- d. Tolstoy

[a]

Q 78. Post exposure vaccination is given in

- a. Typhoid
- b. Rabies
- c. Mumps
- d. Rubella

[b]

Q 79. Specificity of a screening test is the ability of a test to detect

- a. True positives
- b. False positives
- c. False negatives
- d. True negatives

[d]

Q 80. Current cancer patients in India reported annually

- a. 0.5 million
- b. 1 million
- c. 5 millions
- d. 10 millions

[b]

Q 81. Diagnostic power of a test is reflected by

- a. Sensitivity
- b. Specificity
- c. Predictive value
- d. Population attributable risk

[c]

Q 82. DOTS criteria for TB is positive if

- a. 1 out of 2 sputum positive
- b. 2 out of 3 sputum positive
- c. CxR positive
- d. Mantoux positive

[a]

Q 83. Which of the following is not used as an emergency contraceptive

- a. LNG-Intrauterine device
- b. Oral LNG
- c. CuT-Intrauterine device
- d. Oral Mifepristone

[a]

Q 84. "Secret of national health lies in the homes of people" statement was given by

- a. Indira Gandhi
- b. Abraham Lincoln
- c. Joseph Bhoire
- d. Florence Nightingale

[d]

Q 85. Which of the following is not used in testing for adequate pasteurization of milk

- a. Phosphatase test
- b. Coliform count
- c. Standard plate count
- d. Methylene blue reduction test [d]

Q 86. Acculturation is

- a. Triage
- b. Cultural change due to socialization
- c. Attitude
- d. Belief [b]

Q 87. A daily water supply considered adequate to meet the need for all urban domestic purposes is

- a. 10 liters per capita
- b. 20 liters per capita
- c. 40-60 liters per capita
- d. 150-200 liters per capita [d]

Q 88. According to "Factory Act, 1948" maximum permissible working hours per week are

- a. 48
- b. 60
- c. 72
- d. 54 [a]

Q 89. Diseases under International surveillance includes all except

- a. Louse borne typhus fever
- b. Relapsing fever
- c. Paralytic polio
- d. Yellow fever [d]

Q 90. Late pregnancy calorie requirement is

- a. 2800
- b. 3000
- c. 1500
- d. 2300 [d]

Q 91. Best parameter for estimation of fetal age by ultrasound in 3rd trimester is

- a. Femur length
- b. BPD
- c. Abdominal circumference
- d. Intra-ocular distance

[a]

Q 92. True labour pain includes all except

- a. Painful uterine contraction
- b. Short vagina
- c. Cervical dilatation
- d. Progressive descent of presenting part

[b]

Q 93. A 26 years old lady with history of recurrent abortion, which of the following investigations you will do to confirm the diagnosis

- a. PT
- b. BT
- c. Anti-Russel viper venom antibodies
- d. Clot solubility test

[c]

Q 94. Commonly used grading for abruption placenta

- a. Page
- b. Johnson
- c. Macafee
- d. Apt

[a]

Q 95. Which of the following is not a part of HELLP syndrome

- a. Hemolysis
- b. Elevated liver enzymes
- c. Thrombocytopenia
- d. Retroplacental hemorrhage

[d]

Q 96. Anterior fontanelle closes at

- a. 2-3 months
- b. 4-7 months
- c. 12-20 months
- d. 24-30 months

[c]

Q 97. For which vitamin, RDA is determined according to protein intake

- a. Thiamine
- b. Niacin
- c. Pyridoxine
- d. Vitamin B12

[c]

Q 98. Most sensitive test to identify metabolic disease in a newborn

- a. Tandem mass spectrometry
- b. Arterial blood gas
- c. Complete hemogram
- d. Liver function test

[a]

Q 99. Which is not a major criteria of Jones in Rheumatic fever

- a. Pancarditis
- b. Arthritis
- c. Chorea
- d. Elevated ESR

[d]

Q 100. NESTROFT test is a screening test for :

- a. B Thalassemia
- b. Hereditary spherocytosis
- c. Autoimmune hemolytic anemia
- d. Megaloblastic anemia

[a]