

**1995 -II Tamil Nadu Public Service Commission (TNPSC)
Medical Officer Recruitment Exam**

1. Consider the following statements:
 (A): In carpal tunnel syndrome, wasting of thenar muscles is seen
 (R): This is because of the compression of ulnar nerve
 Now select your answer according to the coding scheme given below:
 A) Both (A) and (R) are true and (R) is the correct explanation of (A) B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
 C) (A) is true, but (R) is false D) (A) is false, but (R) is true

2. Consider the following statements:
 (A): The inferior vena cava may be congenitally absent
 (R): The blood from the caudal part of the body is then brought to heart directly by the azygos vein. This happens when right subcardinal vein has failed to make connection with the liver (during development)
 Of the above statements:
 A) Both (A) and (R) are true and (R) is the incorrect explanation for (A) B) Both (A) and (R) are true but (R) is the correct explanation for (A)
 C) (A) is false, but (R) is true D) (A) is true, but (R) is false

3. Urinary bladder
 A) Is lined by transitional epithelium B) Has parasympathetic nerve supply from vagus nerve
 C) Is developed from vesico urethral canal D) All are correct

4. Which of the following is matched correctly?
 A) Boxer's Muscle – Deltoid B) Musician's Nerve - Radial nerve
 C) Peripheral heart – Soleus D) Abdominal tonsil - Payer's patches

5. Which of the following is matched correctly?
 A) Carrying angle more marked – Male B) Pubis angle wider – Female
 C) Femoral ring larger – Male D) Deep inguinal ring larger – Female

6. Consider the following statements:
 (A): Parotid duct does not get inflated during violent blowing of air
 (R): Parotid duct pierces the buccinators
 Of these statements:
 A) (A) is true, but (R) is false (A) is false, but (R) is true
 C) (A) is true, (R) is the correct explanation for (A) D) (A) is false, (R) is not the correct explanation for (A)

7. Which of the following statements about Thyroxin is incorrect?
 A) Iodine is necessary for its synthesis B) Necessary for growth of central nervous system
 C) It is the main hormone which controls blood glucose level D) Excessive secretion of this hormone products exophthalmos

8. Aldosterone acts on
A) Proximal convoluted Tubule B) Loop of Henle
C) Distal convoluted tubule and collecting tubule D) All parts of Nephron
9. The HCl of gastric juice is secreted by which cell of the gastric glands?
A) Chief cells B) Neck cells
C) Mucous cells D) Parietal cells
10. Which of the following is correctly matched?
A) Gastrin - Small intestine B) Secretin - Salivary gland
C) Cholecystikinin pancreozymin - Gall Bladder D) Billikinin – Liver
11. The physiological sugar of Blood is
A) D-glucose B) L-glucose
C) D-mannose D) D-arabinose
12. Hydrolysis of sucrose yields
A) Fructose only B) Lactose and fructose
C) Mannose and glucose D) Fructose and glucose
13. Cholesterol can act as a precursor for each of the following compounds except
A) Chenodeoxycholic acid B) 1, 25 - dihydroxy cholecalciferol takes place
C) Glycocholic acid D) Cholecystikinin
14. The primary effect of the consumption of excess protein beyond the body's immediate needs will be
A) Excretion of the excess as protein in the urine B) An increase in the 'storage pool' of protein
C) An increased synthesis of muscle protein D) An increase in the amount of adipose tissue
15. A diet very low in carbohydrate
A) Would cause weight loss because there would be no way to replenish citric acid cycle intermediates B) Would result in no significant metabolic changes
C) Could lead to a chronic ketosis D) Would lead to water retention
16. In liver, bilirubin is conjugated with
A) Glucuronic acid B) Cholic acid
C) Bile acids D) Glucose
17. The drug of choice in acute anaphylactic shock
A) Diphenhydramine B) Norepinephrine
C) Isoproterenol D) Epinephrine
18. Which one of the following drug is not absorbed from gastrointestinal tract yet can

- A) Electron Microscope - Observation of antigen and antibody reactions
 B) Dark ground Microscope - Observation of spirochaetes
 C) Fluorescent Microscope - Observation of intracellular structures
 D) Phase contrast Microscope - Observation of viruses
27. Which one of the following is correctly matched?
 A) Bacterial cell wall - Maintains the shape of the cell
 B) Bacterial cell membrane - Contains the Endotoxin
 C) Bacterial flagella - Responsible for adhesion
 D) Bacterial spore - Responsible for reproduction
28. Identify the organism causing gas gangrene
 A) Bacillus anthrax
 B) Clostridium tetani
 C) Clostridium welchii
 D) Clostridium difficile
29. Which is the commonest fungi that causes otomycosis?
 A) Candida
 B) Aspergillus
 C) Mucor
 D) Rhizopus
30. Culture Media for fungus is
 A) Tellurite agar
 B) Chocolate agar
 C) NNN Media
 D) Sabourauds media
31. Which of the following protozoa causes opportunistic infection?
 A) Pneumocystis carinii
 B) Plasmodium ovale
 C) Entamoeba hartmani
 D) Trichomonas vaginalis
32. Identify one feature that is uncommon in NIDDM (Type II diabetes)
 A) Polyphagia
 B) Fasting Hyperglycemia
 C) Non-ketotic hyperosmolar coma
 D) Ketoacidosis
33. Identify non-neoplastic polyps of Gastro-intestinal tract
 1. Juvenile polyps
 2. Peutz-Jegher's polyps
 3. Familial multiple polyps
 4. Gardner's multiple polyps
 Of these responses:
 A) 1 alone is correct
 B) 1 & 2 are correct
 C) 1, 2 & 3 are correct
 D) All are correct
34. Commonest malignant tumour of thyroid is
 A) Follicular carcinoma
 B) Anaplastic carcinoma
 C) Medullary carcinoma
 D) Papillary carcinoma
35. Consider the statements:
 Assertion (A):Hepatitis D virus causes infection only when it is encapsulated by Hepatitis B virus
 Reason (R):Hepatitis D virus is replication defective
 Select your answer according to the coding scheme given below

- A) (A) and (R) are true and (R) is the correct explanation of A
 B) (A) and (R) are true but (R) is not the correct explanation of (A)
 C) (A) is true, but (R) is false
 D) (A) is false, but (R) is true
36. The type of viral hepatitis that most frequently progresses to chronic hepatitis is
 A) Hepatitis A
 B) Hepatitis B
 C) Hepatitis C
 D) Hepatitis E
37. Consider the statements:
 Assertion (A): Positive relationship between smoking and lung cancer is incontrovertible
 Reason (R): Cigarette smoke contains potential carcinogens like nicotine
 Select the correct answer using the coding system given below:
 A) Both (A) and (R) are true and (R) is the correct explanation of A
 B) Both (A) and (R) true but (R) is not the correct explanation of (A)
 C) (A) is true, but (R) is false
 D) (A) is false, but (R) is true
38. Match List I correctly with List II and select the answer from the codes given below:
 List I
 a. Byssinosis
 b. Stannosis
 c. Anthracosis
 d. Farmer's lung
 List II
 1. Moldy Hay
 2. Carbon Dust
 3. Tin oxide
 4. Cotton Fibres
 A) A4, B3, C2, D1
 B) A4, B2, C1, D3
 C) A1, B2, C3, D4
 D) A3, B2, C1, D4
39. Consider the following statements:
 Assertion (A): Currently, ABO incompatibility is the most common cause of erythroblastosis fetalis
 Reason (R): Remarkable success has been achieved in the prevention of Rh haemolytic disease by Anti- D immunoglobulin therapy
 Select your answer according to coding scheme given below:
 A) (A) and (R) are true and (R) is the correct explanation of A
 B) (A) and (R) are true but (R) is not the correct explanation of (A)
 C) (A) is true, but (R) is false
 D) (A) is false, but (R) is true
40. Which of the following is not essential in renal stone formation?
 A) Hypercalcemia
 B) Alteration in urinary pH
 C) Decreased urinary volume
 D) Pre-existing renal disease
41. The following statements are true about Wilm's tumour except
 A) Peak incidence in 2-4 years age
 B) Takes origin from Blastemal cells
 C) There is deletion in chromosome II
 D) Worst prognosis in spite of modern therapy

42. Best specimen of urine to study sediments in urine will be
A) Midstream specimen B) 24 hours specimen
C) Diluted urine D) None of the above
43. Most common type of hypertension is
A) Secondary to renal disease B) Secondary to renal artery stenosis
C) Idiopathic D) Secondary to pheochromocytoma
44. Accurate diagnosis in early gastric cancer can be achieved by
A) Barium meal x-ray B) Computed of gastric secretion
C) Cytology of gastric secretion D) Endoscopy & Biopsy
45. Ionizing radiation is most efficient in suppressing
A) Ongoing immune responses B) The induction of an immune response
C) Both are equally sensitive to D) Neither are suppressed by radiation
radiation
46. Which of the following substances is generated chiefly by B lymphocytes (B cells)?
A) Antistreptolysin O B) Lymphotoxin
C) Blastogenic factor D) Migration-inhibition factor
47. Grafts exchanged between members of an outbred species are called
A) Xenografts B) Isografts
C) Allografts D) Heterografts
48. HLA class I molecules are present on the following cell types:
1. B lymphocytes
2. Platelets
3. Hepatocytes
4. Erythrocytes
Consider the above statement and the suggested answers, of which one or more may be correct. Choose the answer
A) 1 and 3 are correct B) 2 and 4 are correct
C) 1, 2 and 3 are correct D) All are correct
49. The most accepted method of family planning in India is
A) Vasectomy B) Tubectomy
C) Pills D) IUD
50. Methyl Isocyanate (MIG) was a poisonous gas which killed thousands of people in
A) Chennai B) Mumbai
C) Bhopal D) Hyderabad
51. All except one disease are related to poverty:
A) Tuberculosis B) Heart attacks
C) Whooping cough D) Malnutrition
52. Potent medicines are available for all the following except
A) Leprosy B) Malaria
C) Typhoid D) Measles

53. All the following disease except one has a vaccine for prevention
A) Measles
B) Whooping cough
C) Malaria
D) Tetanus
54. Factors that complicate the treatment of Tetralogy of Fallots
A) Infective endocarditis
B) Excessive erythrocytosis
C) Paradoxical embolism
D) All of the above
55. The following is not included in the triad of bronchial asthma
A) Dyspnoea
B) Cough
C) Wheeze
D) Cyanosis
56. Broncho-Alveolar lavage fluid can obtain the following except
A) Histoplasma capulatum
B) Cystomegalo virus
C) Human Immuno-deficiency Virus
D) Acid fast bacillus
57. The following is not correct of Caplan's syndrome
A) Seropositive rheumatoid arthritis
B) Progressive massive fibrosis
C) Elevation of gamma globulin
D) AFB detected in broncho alveolar lavage
58. Consider the following statements:
1. Non-gonococcal septic arthritis is mono-articular
2. In non-gonococcal septic arthritis sacro-iliac joint is more often involved
3. Interphalangeal joints are more often involved in gonococcal or mycobacterial arthritis
4. Bacteraemia is not a feature of septic arthritis
Which are true?
A) 1 & 2
B) 3 & 4
C) 1 & 3
D) 2 & 3
59. Which of the following arrhythmias usually occurs in serious heart disease?
A) Sinus arrhythmia
B) Sinus tachycardia
C) Paroxysmal atrial tachycardia
D) Ventricular tachycardia
60. In acute circulatory failure which of the following signs does not occur?
A) Rapid thready pulse
B) Hypotension
C) Enlarged tender liver
D) Oliguria
61. Rheumatic fever is more common in the age groups
A) 0 to 5 years
B) 5 to 15 years
C) 15 to 30 years
D) 30 to 60 years
62. Sudden death occurs more commonly in
A) Aortic regurgitation
B) Aortic stenosis
C) Mitral regurgitation
D) Mitral stenosis
63. A patient suspected to have suffered from myocardial infarction has arrived at the hospital three days after the attack. Estimation of which plasma enzyme level is helpful in diagnosis of such a case

- A) Aspartate aminotransferase (AST)
B) Creatinine kinase (CK-MB)
C) Lactate dehydrogenase (LD)
D) None of the above enzymes
64. The mucosa of the bowel in Crohn's disease shows
A) Thumb Printing
B) False polyps
C) Cobble stone appearance
D) Patchy necrosis
65. The first cell to migrate tissue-injury site for wound healing are
A) Neutrophils
B) Monocytes
C) Platelets
D) T-helper cells
66. All of the following can cause secondary hypertension except
A) Glomerulonephritis
B) Cushing's syndrome
C) Myocarditis
D) Cigarette smoking
67. Raynaud's phenomenon is classically demonstrated after exposure to
A) Emotional stress
B) Drug therapy
C) Cold exposure
D) Cigarette smoking
68. Chorionic villus biopsy makes it possible to diagnose fetal defects
A) As early as in first trimester
B) During second trimester
C) Only during third trimester
D) Only in occasional cases
69. Elevated Alfa Feto protein (AFP) levels in amniotic fluid and maternal serum indicates
A) Metabolic disorders in fetus
B) Fetal abnormalities such as neural tube defects
C) Renal abnormalities
D) Limb anomalies
70. Insensible water loss in Infants is mainly through?
A) Lungs
B) Skin (trans-epithelial)
C) Sweat Glands
D) Kidney
71. Consider the statement:
The factors which influence directly the growth and development in a significant way are
I. Climatic
II. Nutritional
III. Prenatal and Intra-uterine
IV. Genetic
Of the statements:
A) I and II are correct
B) I, II and III are correct
C) II, III and IV are correct
D) All are correct
72. Evaluation of thyroid function may be particularly helpful in the diagnosis and treatment of which of the following conditions?
A) Phobic disorder
B) Schizotypal personality disorder
C) Major depression
D) Schizophrenia
73. Hypothalamic function is closely related to all the following except

- A) Sleep
C) Memory
- B) Appetite
D) Sexual behaviour
74. Weight of the normal brain is approximately
A) 500-1000 grams
C) 1200-1400 grams
- B) 750-1000 grams
D) 1500-2000 grams
75. Largest and most important commissure is
A) Anterior commissure
C) Posterior Commissure
- B) Habenular commissure
D) Corpus Callosum
76. The commonest benign tumour of the stomach
A) Adenoma
C) Leiomyoma
- B) Lipoma
D) Carcinoid tumour
77. Carcino embryonic antigen is a tumour marker for
A) Carcinoma stomach
C) Hepatoma
- B) Malignant Melanoma
D) None of the above
78. The treatment of Mixed Parotid tumour is
A) Excision
C) Superficial conservative parotidectomy
- B) Resection enucleation
D) Total radical parotidectomy
79. Elevation of serum alkaline phosphatase is seen in
A) Carcinoma stomach
C) Abdominal tuberculosis
- B) Duodenal ulcer
D) Nephrotoxicity
80. In liver, bilirubin is conjugated with
A) Glucuronic acid
C) Bile acids
- B) Cholic acid
D) Glucose
81. Unilateral breast enlargement of great magnitude is not seen in
A) Milk retention
C) Lobular carcinoma
- B) Giant fibroadenoma
D) Cystosarcoma phylloides
82. Pre-malignant conditions for carcinoma rectum include all except
A) Haemorrhoids
C) Ulcerative colitis
- B) Polyposis Coli
D) Villous adenoma
83. Epidural opioids provide pain relief by acting on
A) The dorsal horn of the spinal cord
C) The cerebrospinal fluid
- B) The dural cuffs of the peripheral nerve
D) The sympathetic nervous system
84. The ideal route of administration of adrenaline in Cardio-pulmonary resuscitation is
A) Intracardiac
C) Intramuscular
- B) Intravenous
D) Intraperitoneal
85. Branchial cyst arises from the remnants of
A) 1st Branchial cleft
- B) 2nd Branchial cleft

- A) Squamocolumnar junction B) Lateral vaginal wall
C) Buccal Mucosa D) Posterior fornix
96. A lady who has a PAP smear report of severe Dysplasia with no obvious lesion on cervix, is best managed by
A) Chemotherapy B) Radiotherapy
C) Colposcopically directed biopsy D) Hysterectomy
97. Consider the following statements:
Assertion (A): Ectopic pregnancy at isthmus of the tube often ends in rupture
Reason (R): Isthmus is the narrowest part of the tube
Select the correct answer using the coding system given below
A) Both (A) and (R) are true and (R) is the correct explanation for (A) B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
C) (A) is true, but (R) is false D) (A) is false, but (R) is true
98. Consider these statements:
I. Forceps delivery should be attempted only when there is full dilatation of cervix
II. Forceps delivery should be attempted only when the presenting part is at or below ischial spines
III. Forceps delivery is indicated in CPD
IV. Forceps delivery is not injurious to the mother
Of the above statements;
A) I alone is correct B) I and II are correct
C) I, II & III are correct D) All are correct
99. Consider these statements:
I. PIH (Pregnancy Induced Hypertension) may lead to Eclampsia
II. In PIH there may be Intra-Uterine Growth Retardation (IUGR)
III. In severe PIH there is a place for Magnesium sulphate therapy
IV. In PIH, abruptio placentae may be one of the complications
Of the above statements:
A) I alone is correct B) I and II are correct
C) I, II & III are correct D) All are correct
100. Eclampsia can lead to
I. Renal failure
II. Pulmonary edema
III. Cerebral hemorrhage
IV. Retinal detachment
Of the above statements:
A) I alone is correct B) I and II are correct
C) I, II & III are correct D) All are correct
101. The rarest ectopic site of extra-uterine pregnancy is
A) Fallopian tube B) Ovary
C) Abdominal D) Cervical
102. The clinical sign suggestive of heart disease in pregnancy is
A) Systolic murmur in apical or B) Pressure of diastolic murmur

- pulmonary area
C) Split first sound
D) Left axis deviation in ECG
- 103 The commonest cause of maternal mortality in our country is
A) Ruptured uterus
B) Birth trauma
C) Infections
D) Haemorrhage
104. Cuff salpingostomy is done
A) When there is cornual block
B) Cervical stenosis
C) Fimbrial end block
D) Following laproscopic sterilization
- 105 Diagnosis of molar pregnancy is best made by
A) Ultrasonography
B) X-ray pelvis
C) Urine HCG estimation
D) Bimanual Examination
106. All the hormones have an effect on glucose uptake except
A) Estrogen
B) Cortisol
C) Growth hormone
D) Adrenaline
- 107 Langer's line is a
A) Line of skin crease
B) Direction of distribution of collagen
C) Line of tension in the skin
D) Direction of vessels and nerves
- 108 Most frequently encountered brain tumour is
A) Glioma
B) Meningioma
C) Pituitary adenoma
D) Medulloblastoma
- 109 In a child acute gastroenteritis
A) All milk must be stopped for the duration of diarrhea
B) Only cow's milk must be stopped for the duration of diarrhea
C) Only breast milk must be stopped for the duration of diarrhea
D) Milk feeds may be continued as before
- 110 The mainstay of treatment of diarrhoea in children is
A) Antibiotics
B) Rehydration
C) Antimotility drugs
D) Binding agents such as Kaolin
- 111 Breast feeding in the newborn period must be
A) Commenced soon after birth as soon as the infant and mother are ready
B) Only after 24hours after birth
C) Supplemented with dilute cow's milk in the first few days
D) With-held in preterm babies
112. Which of the following is not caused by analgesic abuse?
A) Chronic renal failure
B) Hypertension
C) Anaemia
D) Hypernephroma
113. The enzyme myeloperoxidase is discharged by
A) Eosinophil
B) Neutrophil
C) Basophil
D) Lymphocytes

114. Contraction of the detrusor muscle is produced by the stimulation of
- A) Pudendal nerve
 - B) Hypogastric nerve
 - C) Pelvic nerve
 - D) Inferior epigastric nerve