

1. **Senna is** **1**
  1. Irritant laxative
  2. Osmotic laxative
  3. Bulk laxative
  4. Emollient laxative
2. **Long term use of cimetidine may cause** **2**
  1. Sexual disfunction
  2. Renal failure
  3. Rebound acidity
  4. Parietal cell blockade
3. **Piperazine is used in the treatment of** **2**
  1. Amoebiasis
  2. Helminthiasis
  3. Giardiasis
  4. Malaria
4. **The drug of choice for the treatment of filariasis is** **4**
  1. CocaDiethyl carbamazine
  2. Niclosamide
  3. Biloscanate
  4. None of the above
5. **The prescription starts with the symbol Rx, means** **3**
  1. Send
  2. Prescribe
  3. Take thou
  4. Prepare
6. **Which type of prescription should contain the age of the patient ?** **1**
  1. Prescription for a child
  2. Prescription containing special formula
  3. Prescription containing patient medicament
  4. Prescription for elderly patient
7. **The plasma substitute, dextran is a homo polymer of glucose, which is produced by** **1**
  1. Polymerization of glucose
  2. Chemical modification of starch
  3. Chemical modification of cellulose
  4. By growing the organism leuconostoc mesenteroides in sucrose containing medium
8. **Not acceptable absorbable hemostat is** **3**
  1. Human fibrin foam
  2. Gelatin sponge
  3. Oxidized cellulose
  4. Calcium alginate
9. **Bacteria which can derive their nutritional requirements and energy from simple inorganic source are called** **1**
  1. Autotrophic
  2. Heterotrophic
  3. Parasite
  4. Saprophyte
10. **Ziehl Neelsen's method is used to identify** **1**
  1. Acid fast bacteria
  2. Gram positive bacteria
  3. Spores
  4. Flagella
11. **P wave of ECG is the result of** **1**

1. Atrial depolarization    2. Atrial repolarization
  3. Ventricular depolarization
  4. Ventricular repolarization
- 12. Incompatible blood transfusion can result in**
- 2**
1. Hypovolemic shock    2. Anaphylactic shock
  3. Cardiogenic shock    4. Obstructive shock
- 13. Sucralfate is used in the treatment of**
- 3**
1. Vomit                      2. Constipation
  3. Duodenal ulcer        4. Diarrhoea
- 14. Which property of chlorpromazine is responsible for its antipsychotic effect ?**
- 2**
1. Antidopaminergic    2. Antimuscarinic
  3. A adrenoreceptor blocking
  4. Anti 5-HT property
- 15. Which of the following is broad spectrum anthelmintic ?**
- 4**
1. Mebendazole            2. Piperazine
  3. Diethylcarbamazine    4. Chloroquine
- 16. Cancer of epithelial tissue is called**
- 1**
1. Carcinoma                2. Sarcoma
  3. Lukemia                 4. Hodgkin's disease
- 17. The Latin term for ointment is**
- 1**
1. Ungentum                2. Pasta
  3. Oculentum               4. Linimentem
- 18. The Latin term for "When required" is**
- 1**
1. si opus sit                2. Dolor urgente
  3. tussi urgente             4. statim
- 19. Material used to assist adhesion of skin graft is**
1. Human thrombin        2. Human immunoglobulin
  3. Plasma protein fraction    4. Gum saline
- 20. The incompatibility encountered when aspirin is powdered together with phenazone is**
- 2**
1. Insolubility              2. Liquefaction
  3. Immiscibility            4. Precipitation
- 21. Existence of antibiotic was first proposed by**
- 1**
1. Pasteur                    2. Paul Ehrlich
  3. Fleming                    4. Dubos
- 22. The Antibiotics are manufactured in large scale by**
- 4**

1. Surface culture in liquid medium
  2. Surface culture in solid medium
  3. Submerged culture in liquid medium
  4. Submerged culture in solid medium
- 23. Increased hepatic angiotensinogen production is responsible for following 1**
1. Renal hypertension 2. Pills hypertension
  3. Vascular hypertension 4. Endocrine hypertension
- 24. The following type of pulse is seen in myocardial infraction**
1. Pulsus deficit 2. Pulsus alternans
  3. Anacrotic pulse 4. Water hammer pulse
- 25. Drugs of choice for grandmal epilepsy are 1**
1. Phenytoin and sodium valproate
  2. Sodium valproate and carbamazepin
  3. Carbamazepin and phenobarbital
  4. Phenobarbital and phenytoin
- 26. Morphine is contraindicated for patients with head injury because it produces 3**
1. Sedation
  2. Hyperactive spinal reflexes
  3. Respiratory depression
  4. Analgesia
- 27. Which of the following is anti metabolite ? 3**
1. Cyclophosphamide 2. Thiotepa
  3. Methotrexate 4. Chlorambucil
- 28. Which of the following anticancer drug is obtained from plant ? 1**
1. Cisplatin 2. Uracil
  3. Vincristine 4. Tamoxifen
- 29. In prescription the Latin term "fiat" means**
1. Let it be mixed 2. Let it be made
  3. Let it be warmed 4. Let it be sent
- 30. Most dangerous organism infecting the eye is 1**
1. Pseudomonas aeruginosa
  2. Staphylococcus aureus
  3. Proteus vulgaris
  4. Bacillus subtilis
- 31. In the extemporaneous preparation of eye drops the final clarification done by passing through 1**
1. Sintered glass filters
  2. Gooch crucible

3. Whatman filter paper
4. Micro-porous plastic membrane
- 32. One of the advantages of IR heat sterilization of syringes is** **3**
  1. Determination of internal temperature to assess the efficiency of sterilization is simple
  2. More efficient than autoclaving
  3. Unaffected by thermal resistance by static surface air films
  4. Fast sterilization
- 33. International Pharmacopoeia is published by** **1**
  1. WHO
  2. International Pharmaceutical Federation
  3. United Nations
  4. US food and drug administration
- 34. In the case of sterilization by dry heat the microbes are killed by** **2**
  1. Oxidation
  2. Dehydration
  3. Decomposition
  4. Precipitation
- 35. Communicable disease caused by Rickettsiae is** **4**
  1. Scrub typhus
  2. Chancroid
  3. Mumps
  4. Influenza
- 36. One of the first aid in poisoning is by administering** **1**
  1. Universal antidote
  2. Table spoonful of mustered
  3. Egg white
  4. All the above
- 37. In hemolytic jaundice the following are true EXCEPT** **4**
  1. Unconjugated bilirubin level increases
  2. Anemia is common
  3. Serum alkaline phosphatase level increases
  4. Liver function test normal
- 38. The mechanism of action of penicillin is** **1**
  1. By inhibition of protein synthesis
  2. By interference with ribosome function
  3. By antimetabolite action
  4. By interference with cell wall synthesis
- 39. Cotrimoxazole is more effective than individual administration of sulphame-thoxazole or trimethoprim since** **2**
  1. Both set sequentially in nucleotide synthesis
  2. Sulphamethoxazole is antimetabolite and trimethoprim interfere with cell wall synthesis
  3. Both binds to enzyme required for DNA replication

4. Sulphamethoxazole interfere with folic acid synthesis and trimethoprin interfere with cell wall synthesis
- 40. Which of the following is fluoroquinolone derivative ?            2**
1. Nitrofurantoin            2. Lomifloxacin
  3. Prontocil            4. Penicillin G
- 41. Number of mole of ATPs produced when on mole of glucose is completely oxidized is**
1. 38            2. 8            1
  3. 6            4. 24
- 42. The word posology is derived from Greek word “posos” which means    1**
1. “How much”            2. Quantity
  3. Amount            4. How long
- 43. The dose for children can be calculated on the basis of body weight by    1**
1. Young’s rule or Dilling’s rule
  2. Young’s rule or Catzel rule
  3. Dilling’s rule or Catzel rule
  4. Catzel rule or Young’s rule
- 44. The metabolic fate of pyruate in the anaerobic condition is formation of**
1. ATP            2. Acetyl Co-A            3
  3. Lactate            4. Citric Acid
- 45. The samples taken from drug store by Drug Inspector for analysis shall be divided into**
1. 3            2. 4            2
  3. 5            4. 2
- 46. More scientific way of calculating paediatric dose is based on            1**
1. Age            2. Body weight
  3. Body surface area    4. Body height
- 47. The dose for a twelve year old child in terms of adult dose is            1**
1. 20%            2. 12%
  3. 75%            4. 50%
- 48. In hospitals Infra Red Radiation heat sterilization in high vacuum can be used for sterilization of            4**
1. Extemporaneous ophthalmic preparation
  2. Extemporaneous ophthalmic Large Volume parenterals
  3. Large instruments used in Operation Theatre
  4. Rubber Cloves
- 49. The small knots in cotton fibre caused by uneven growth or formed during processing is called            1**
1. Neps            2. Staple
  3. Card            4. Scales
- 50. Adsorbent cotton wool is used for            3**

1. Absorbing wound exudate
  2. Retaining dressing in toes
  3. Skin grafting
  4. Protecting Dressing
- 51. Which of the following is ex-officio member of Drug Technical advisory Board ? 4**
1. President of Indian Medical Association
  2. President of Indian Pharmaceutical Association
  3. President of Indian Council of Medical Research
  4. President of Medical Council of India
- 52. Number of schedules to Drugs and cosmetics act 1940 is 4**
1. 12
  2. 2
  3. 40
  4. 32
- 53. The dressing used for burn injury is**
1. Rayon
  2. Cellulose wading
  3. Capsicum cotton wool
  4. Paraffin gauze dressing
- 54. In the case of sterilization by moist heat the microbes are killed by 1**
1. Oxidation
  2. Reduction
  3. Decomposition
  4. Coagulation of protein
- 55. Saturated steam is better heating agent than air for sterilization because it has 1**
1. High latent heat
  2. High pressure
  3. High sensible heat
  4. Low coefficient of expansion
- 56. Which schedule to Drugs and Cosmetics Rule provides the list of disease which a drug may not purport to prevent or cure or make claims to prevent or cure ? 2**
1. Schedule C
  2. Schedule J
  3. Schedule M
  4. Schedule Y
- 57. Every record, register, or other documents seized by Drug Inspector under clause cc or cca of Section 22 of drugs and cosmetics act 1940 shall be returned to the person within**
1. 10 days
  2. 20 days
  3. 25 days
  4. 30 days
- 58. Valuable test for confirmation that the steam has displaced all the air from a porous load in a high vacuum autoclave is 3**
1. Bowie - Dick Test
  2. Klintex Paper Test
  3. Browne's Tube Test
  4. Hour Glass Test
- 59. The label of package containing the drugs coming under the purview of Narcotic Drugs and Psychotropic Substance act 1985 should 4**
1. Have the symbol NRx in Red in the left top corner

2. Have warning: "Poison"
4. Have caution : it is dangerous to take the medicine except under supervision of Registered Medical Practitioner
4. All the above
- 60. First step in glycolysis is 2**
1. Conversion of glucose-6-phosphate to fructose-6-phosphate
  2. Conversion of glucose to glucose-6-phosphate
  3. Conversion of phosphoenolpyruvate to pyruvate
  4. Fructose-6-phosphate to fructose 1,6 diphosphate
- 61. Chemical incompatibility is caused due to any of the following EXCEPT : 2**
1. pH change
  2. Double decomposition
  3. Complex formation
  4. Dissociation
- 62. What is the preferred pH to dispense a weakly acidic drug with pKa of 7.5 as solution ? 1**
1. Less than 5
  2. Less than 3
  3. 7.5
  4. 9
- 63. Oxytetracycline is produced by 1**
1. Streptomyces rimous
  2. Streptomyces grises
  3. Streptomyces Venezuela
  4. Streptomyces garyphalous
- 64. The precursor used in the manufacture of benzyl penicillin is 2**
1. Phenyl acetic acid
  2. 6-aminopenicillonic acid
  3. Phenoxy acetic acid
  4. 2-6, dimethoxyphenylacetic acid
- 65. Fainting is due to pooling of blood in lower extremities in the following 2**
1. Collar syncope
  2. Orthostatic syncope
  3. Carotid sinus syncope
  4. Vaso-vagal syncope
- 66. Lipase is not present in one of the following secretion 2**
1. Saliva
  2. Gastric juice
  3. Pancreatic juice
  4. Intestinal juice
- 67. Which of the following is the selective COX - 2 inhibitor ? 4**
1. Nimesulide
  2. Mefenamic acid
  3. Naproxene
  4. Diclofenac
- 68. Which of the following NSAID is para aminophenol derivative ? 2**
1. Indomethacin
  2. Diclofenac
  3. Paracetamol
  4. Ketoprofen
- 69. Conversion of glycogen to glucose is known as 3**
1. Glycogenesis
  2. Glycolysis

3. Glycogenolysis      4. Gluconeogenesis
- 70. Conversion of glucose to pyruvate or lactate is called 1**
1. Embden-Mayerhof pathway
  2. Pentose phosphate pathway
  3. Uronic acid pathway
  4. Glycerophosphate shuttle
- 71. Ophthalmic preparation may contain the medicaments as a suspension provided the size of the 90% of the particle is less than 2**
1. 1 micron              2. 5 micron
  3. 7 micron              4. 10 micron
- 72. The most important property of ophthalmic preparation which causes pain and irritation is 1**
1. Hypertonic solution    2. Acidic pH
  3. High viscosity        4. Hypotonic solution
- 73. Dispensing of alkaline bicarbonate and soluble magnesium salt together will produce 4**
1. Double decomposition
  2. Complexation
  3. Therapeutic incompatibility
  4. Physical incompatibility
- 74. Current Pharmacopoeia of India was published in 4**
1. 1955                  2. 1966
  3. 1986                  4. 1996
- 75. Which of the following is NOT sexually transmitted disease ? 4**
1. Gonorrhoea            2. Chancroid
  3. Granuloma inguinale 4. Kala azar
- 76. Malaria is caused by 2**
1. Protozoa              2. Bacteria
  3. Fungi                  4. Virus
- 77. Intrinsic factor is secreted by 2**
1. S cells                2. K cells
  3. Parietal cells        4. Duodenal mucosa
- 78. Pepsinogen is activated by 2**
1. Enterokinase        2. HCl
  3. Trypsin              4. Cl<sup>-</sup>
- 79. Which of the following is long acting barbiturate ? 4**
1. Amylobarbitone      2. Secobarbitone
  3. Thiopentone        4. Phenobarbitone
- 80. Which of the following is opioid antagonist ? 3**

1. Buprenorphine
2. Meptazinol
3. Nalorphine
4. Nalbuphine

**81. Choose the correct statement : 3**

1. Buffering capacity of eye drops should be low
2. Buffering capacity of eye drops should be high
3. Eye drops should be buffered at the pH of lachrymal secretion
4. Buffer should not be used in eye drops

**82. British standard tests for ophthalmic containers include all the following tests EXCEPT 1**

1. Resistance for autoclaving
2. Light resistance
3. Closure efficiency
4. Gas permeability

**83. Pharmacopoeia gives all the following information EXCEPT 4**

1. Dose
2. Solubility
3. Therapeutic category
4. Manufacturing method

**84. Pharmacopoeia is a book 4**

1. Describing preparation of formulations
2. Describing dispensing techniques
3. Of standards published by respective government agency
4. All the above

**85. Filariasis is caused by 1**

1. Wuchereria bancrofti
2. Strongyloides stercoralis
3. Dracunculus medinensis
4. Schistosoma mansonia

**86. Which of the following is NOT a mode of transmission of AIDS ? 3**

1. Sexual contact
2. Transfusion of infected blood
3. Contact with infected towels and clothing
4. From infected mother to foetus

**87. Oxyntic cells secrete one of the following : 2**

1. Pepsinogen
2. HCl
3. Bicarbonate
4. Gastrin

**88. Mass peristalsis is seen in 2**

1. Small intestine
2. Stomach
3. Large intestine
4. Esophagus

**89. Who is known as father of modern chemo-therapy ? 1**

1. Paul Ehrlich
2. Louis Pasteur
3. Alexander Fleming
4. Domagle

- 90. The effect of sulpha drug is antagonized by 1**
1. PABA
  2. Folic acid
  3. Sulphanilic acid
  4. Thiamin
- 91. Hardening is one of the steps in the preparation of catguts. It is done by soaking the ribbon obtained from the intestine in**
1. Potassium Permanganate solution
  2. Potassium sulphate solution
  3. Chromium salt solution
  4. Vanadium sulphate solution
- 92. Material used in the non-absorbable suture is 1**
1. Silk
  2. Linen
  3. Metals and alloys
  4. All the above
- 93. Children from slum area develop immunity to a variety of disease more quickly than those children from affluent area due to 2**
1. Frequent clinical infection
  2. Frequent subclinical infection
  3. Inadequate artificial immunization schedule
  4. Acquired passive immunization
- 94. New born babies show high resistance to Chicken pox due to 1**
1. Naturally acquired active immunization
  2. Artificially stimulated active immunization
  3. Naturally stimulated passive immunization
  4. Artificially stimulated passive immunization
- 95. The following is a major relay station for sensory impulses 4**
1. Medulla
  2. Pons
  3. Cerebellum
  4. Thalamus
- 96. Feeding is regulated by centers in the 3**
1. Cerebral cortex
  2. Thalamus
  3. Hypothalamus
  4. Cerebellum
- 97. Which of the following antacid has laxative action also ? 1**
1. Aluminium hydroxide
  2. Magnesium hydroxide
  3. Calcium Carbonate
  4. Sodium bicarbonate
- 98. Omeprazole is used in the treatment of peptic ulcer since it 4**
1. Increases the secretion of mucus
  2. Is H<sub>2</sub> receptor antagonist
  3. Is H<sub>1</sub> receptor antagonist
  4. Is proton pump inhibitor
- 99. WHO recommended drug regime for the treatment of tuberculoid leprosy is**
1. Dapsone 100 mg/day + Rifampicin 600 mg/month (supervised) for 6 months

2. Dapsone 100 mg/day + Clofazimine 50 mg/month (unsupervised) for 12 months
3. Rifampicin 600 mg/month + Clofazimine 300 mg/month (unsupervised) for 12 months
4. Rifampicin 600 mg/month (supervised) + Clofazimine 300 mg/month (unsupervised) for 3 months

**100. Which of the following disease is caused by parasitic protozoa ? 1**

1. Leishmaniasis
2. Leprosy
3. Syphilis
4. Plague

**101. How much theobroma oil is required to prepare ten suppositories containing 300 mg of bismuth subgallate using one gram suppository mould ? (Displacement value of bismuth subgallate is 6)**

1. 9.5 g
2. 0.5 g
3. 9.5 ml
4. 0.5 ml

**102. Turbidity is often produced initially when alcohol is mixed with water which disappears subsequently. It is due to 3**

1. The formation of temporary emulsion
2. Less solubility of alcohol in water
3. The precipitation of impurities
4. Liberation of air dissolved in water

**103. Maximum volume blood collected at one attendance from a donor is 2**

1. 420 ml
2. 250 ml
3. 100 ml
4. 940 ml

**104. The blood from human volunteer is collected from 2**

1. Median cubital vein
2. Jugular vein
3. Pulmonary vein
4. Any of the above

**105. The toxins are converted to toxoid by treating with 1**

1. Formaldehyde
2. Autoclaving
3. By heating to 80° Celsius
4. All the above

**106. Which of the following vaccine contains attenuated living bacteria ? 1**

1. BCG
2. Tetanus
3. Poliomyelitis
4. Diphtheria

**107. Acetylcholine is not the neurotransmitter in the following fibers 1**

1. Pre-ganglionic parasympathetics fibers
2. Post-ganglionic parasympathetics fibers
3. Pre-ganglionic sympathetic fibers
4. Pre-ganglionic sympathetic fibers of sweat glands

**108. Lumbar puncture is performed for the following reasons EXCEPT 2**

1. To produce spinal anesthesia
2. To relieve intracranial pressure
3. To introduce drugs into CNS
4. To record the electrical activities of spinal cord

**109. Which of the following is anti-emetic ? 2**

1. Domperidone
2. Apomorphine
3. Mustard
4. Ipecacuanha

**110. Which of the following is irritant purgative ? 3**

1. Magnesium sulphate
2. Dioctyl sodium sulphosuccinate
3. Liquid paraffin
4. Castor oil

**111. Amodiaquine is active against which phase of the life cycle of malarial parasite ? 3**

1. Hepatic phase
2. Asexual parasites
3. Latent tissue phase
4. Gametocytes in mosquito

**112. Drug acting against only extra intestinal amoebiasis is 2**

1. Quinidochlor
2. Dilaxanide furoate
3. Tetracycline
4. Chloroquine

**113. How much 95% alcohol is required to prepare 1000 ml of 60% alcohol ?**

1. 631.5
2. 621.6
3. 658.33
4. 641.6

**114. A prescription is an order, to supply medicine, from 4**

1. Doctor
2. Dentist
3. Veterinary surgeon
4. All the above

**115. Blood collected from donor is stored in sealed containers at ? 3**

1.  $-20^{\circ}$  Celsius
2.  $-80^{\circ}$  Celsius
3.  $4^{\circ}$  to  $6^{\circ}$  Celsius
4.  $15^{\circ}$  to  $20^{\circ}$  Celsius

**116. In emergency conditions where the whole blood is not available or until matching test are known the following can be used 2**

1. Concentrated human RBC
2. Dried human plasma
3. Human plasma protein fraction
4. Human fibrinogen

**117. Venereal disease is contracted by 1**

1. Physical contact
2. Hand infection
3. Arthropod vector
4. Droplet infection

**118. Rod shaped bacteria are called 2**

1. Cocci
2. Bacilli

3. Spirochetes                      4. Vibrio
- 119. Decoction process is used for    4**
1. Alcohol soluble and heat stable constituents of plants
  2. Water soluble and thermo labile constituents of plants
  3. Water insoluble and heat stable constituents of plants
  4. Water soluble and heat stables constituents of plants
- 120. The normal pace maker of the heart is        2**
1. Atrio-ventricular node
  2. Sino-atrial node
  3. Bundle of His
  4. Purkinje fibers
- 121. Which of the following is the primary effect of digitalis in congestive cardiac failure ?**
- 2**
1. Decreased heart rate
  2. Increased force of contraction of myocardium
  3. Decreased venous out put
  4. Increased urinary out put
- 122. Plant extract in the form of plastic mass is known as :    1**
1. Pilular extract
  2. Liquid extract
  3. Fluid extract
  4. Powder extract
- 123. Which of the following is penicillinase resistant penicillin ? 1**
1. Benzyl penicillin
  2. Phenoxymethyl penicillin
  3. Cloxacillin
  4. Penicillin G
- 124. Which of the following is not a macrolide antibiotic ? 1**
1. Erythromycin
  2. Oleandomycin
  3. Spiromycin
  4. Gentamicin
- 125. Choose the correct statement with respect to requirement of paediatric dose 1**
1. The dose requirement is directly proportional to age
  2. The dose requirement is directly proportional to height
  3. A child require larger dose per/kg than adult
  4. A child require lesser dose per/kg than adult
- 126. The percentage by volume of alcohol in proof spirit is 3**
1. 57.10
  2. 42.9
  3. 49.28
  4. 95
- 127. The bandage prepared from fabrics with cotton warp and wool weft is**
1. Domette bandage
  2. Stretch bandage
  3. Cambric bandage
  4. Cotton stretch bandage
- 128. Crepe bandage is helpful in all the following conditions EXCEPT    2**
1. For giving light support to sprains and strains
  2. For correctional purpose

3. As a compression bandage
  4. To protect clothing from dressing
- 129. Bactericides used in sterilization by heating with bactericide are 1**
1. Chlorocresol and Phenylmercuric Nitrate
  2. Fomaldehyde and Chlorocresol
  3. Phenyl mercuric nitrate and Methyl paraben
  4. Chlorocresol and Methyl paraben
- 130. Presence of antibacterial agents in injectables requires that the antibacterial agent inactivated before sterility testing. One of the methods to inactivation is by dilution with 3**
1. Water
  2. Normal saline
  3. Culture medium
  4. (2) or (3)
- 131. During prolonged starvation the glucose required for brain function is made available by 3**
1. Citric acid cycle
  2. Glycogenesis
  3. Gluconeogenesis
  4. Glycogenesis
- 132. Increased blood glucose level may be due to 1**
1. Diabetes mellitus
  2. Hyper activity of thyroid
  3. Emotional stress
  4. All the above
- 133. Which of the following cardiovascular drug produce tachycardia ? 3**
1. Propranolol
  2. Procainamide
  3. Quinidine
  4. Lignocaine
- 134. Which of the following is calcium channel blocker ? 2**
1. Amlodipin
  2. Atenalol
  3. Isesorbide dinitrate
  4. Minoxidil
- 135. Cephalosporins are derivative of 1**
1. Betalactam
  2. Quinoline
  3. Fluoroquinolone
  4. Carbapenem
- 136. Which of the following antifungal agent is a polyene derivative ? 2**
1. Amphotericin B
  2. Clotrimazole
  3. Griseofulvin
  4. Flucytosine
- 137. 30 degree under proof spirit means 2**
1. 100 volume of the spirit contains 30 volume of proof spirit
  2. 100 volume of the spirit contains 70 volume of proof spirit
  3. 100 volume of the spirit when diluted give 130 ml of proof spirit
  4. 100 volume of the spirit when diluted give 170 ml of proof spirit
- 138. Intra venous injection of hypotonic solution may cause 4**
1. Hemolysis
  2. Shrinkage of RBC



2. Non availability of effective drug
3. Tubercle bacilli can remain viable and multiply even when ingested by macrophage
4. The cessation and fibrosis tend to block the blood vessel making penetration of drugs difficult

**149. Which of the following injection is made slightly hypertonic ? 1**

1. IV injection for rapid action
2. IM injection for rapid absorption
3. Intracutaneo injection is for rapid absorption
4. Subcutaneous injection for rapid absorption

**150. Displacement value of zinc oxide with reference to theobroma oil is 5. That means 2**

1. 1 g of zinc oxide replaces 5 g of theobroma oil
2. 5 g of zinc oxide replaces 1 g of theobroma oil
3. 1 ml of zinc oxide replaces 5 ml of theobroma oil
4. 5 ml of zinc oxide replaces 1 ml of theobroma oil