1) Posology deals with
   Doses

2) Calculation of doses according to body weight
   Clarks formula

3) 1 Gallon is equal to
    160 fluid ounces

4) 1 tumblerful is equal to
    240 ml

5) 1 gm is equal to how many grains
    15 grains

6) Altered GIT absorption is a type of
   Therapeutic incompatibility

7) Powders which absorb moisture from the atmosphere are called
   Hygroscopic powders

8) Tests for identification of type of emulsion
   Conductivity test

9) Pessaries is a name given to
    Vaginal suppositories

10) Hydrogenated oils is a type of
    Fatty bases
11) Immiscibility is a type of **Physical Incompatibility**

12) Therapeutic Incompatibility is due to **Contra indicated drugs**

13) Conduct of pharmacy comes under **Pharmacist in relation to his job**

14) 4 ml is equal to **1 fluid drachm**

15) 1 drop is equal to **0.06 ml**

16) Pharmacy act established in which year **1948**

17) Drugs and Cosmetic rules established in the year **1945**

18) PCI is reconstituted for every **5 yrs**

19) Drugs price control order established in which year **1955**

20) Ratio of oil:gum in volatile oil **2:1**

21) Lysol is a **Disinfectant**
22) Which of the following is called serum Hepatitis?
   HBV

23) Pasteur developed the vaccines for
   All of the above

24) Ethylene oxide comes under
   Gaseous sterilization

25) Steptomycin is obtained from Which bacteria
   Steptomyces griseus

26) The Aglycone part of cardiac glycoside is chemically
   Steroidal

27) Gelatin used in the manufacture of
   Capsules

28) Ergot is the dried sclerotium of
   Claviceps purpurea

29) Indian Podophyllum is obtained from
   Podophyllum Hexandrum

30) The botanical source of Rauwolfia root is
   Rauwolfia serpentine

31) The chief constituent of Digitalis lanata is
   Digoixin
32) Ergometrine in water gives which colour

   blue

33) Cod- liver oil contains ______________ and ___________ as the active principles

   Vit-D & Vit-A

34) ______________ the botanical source for Ispaghula

   Plantago ovate

35) Which of the following is NOT a Microscopical Evaluation parameter of crude drugs

   Swelling factor

36) Classification according to their leaves, barks and seeds is known as

   Morphological Classification

37) In Pharmacognosy, the crude drugs may be classified according to the following EXCEPT

   Geographical Distribution

38) Digitalis( digitoxose) can be identified by the ________ test

   Killer-killiani

39) Cinnamon is a spice made from the __________ of the Cinnamomum tree

   Bark

40) Cinchona bark mainly useful for the treatment of

   Malaria

41) Colorimetry instrument is operative in the ______________ range of the electromagnetic spectrum

   400-700nm
42) Colour of light is a function of its__________

Wavelength

43) Beer’s Law states that the concentration of substance is ______proportional to the logarithm of the transmitted light

Inversely

44) ______________ is a change of spectral band position in the absorption, reflectance, transmittance, or emission spectrum of a molecule to a shorter wavelength.

Hypsochromic

45) Molar absorptivity, also known as the ______________

Molar extinction coefficient

46) Infrared region of the electromagnetic spectrum consist of ____________ than visible light.

longer wavelength and lower frequency

47) Mineral oil used in ________ solid techniques of IR sampling

Mull technique

48) ________________ Provides mostly information about the presence or absence of certain functional groups.

IR

49) A state in which unpaired electrons of same spin present

Triplet state

50) In which process entire energy is lost and no radiation takes place

Collisional de activation
51) Absorption of incident Light or Emitted light by Primary and Secondary Filters leads to Decrease in intensity this phenomena is called as

   **Inner Fluorescent Effect**

52) In GLC stationary phase is ________

   **Immobilised liquid**

53) Wall- coated open tubular columns used in **GLC**

54) __________ detector works on the principle that by change in conductivity of the flame as the compound is burnt.

   **FID**

55) Which of the following is NOT a Condition for Pre-column derivatisation

   **Thermo stable Compounds**

56) __________ difference is the time between the point of injection and appearance of peak maxima

   **Retention time**

57) __________ is an imaginary unit of the column where equilibrium has been established between stationary and mobile phase.

   **HETP**

58) Compounds are eluted from column based on the following properties except

   **Boiling point**

59) __________ phase stationary phase is polar and mobile phase is non polar

   1)Normal Phase

60) Which of the following is a parameters of analytical column

   i.d 1.0 to 4.6mm; lengths 15-250 mm
61) The system that undergoes gel-sol-gel transformation is known as

**thixotropy**

62) Deflocculated suspension with high concentration of the dispersed solids exhibits the flow of type

**Dilatant**

63) High viscosity indicates one of the following relationships in a system

**intermolecular interactions are stronger**

64) The following viscometer is an example of single point viscometer

**falling sphere**

65) For wetting of solids by liquids the contact angle should be less than

90

66) At concentrations below CMC, the surfactant molecules remain

**At water air interface**

67) Solid-solid interfaces are important in

**tablets**

68) The HLB range for lipophilic surfactants is

2 to 9

69) Which of the following properties is extensively applied for determining the molecular weight of polymers

3) **Osmotic pressure**

70) In the determination of the gold number, the end point is indicated by

**observing the colour change**
71) The critical value of zeta potential (in mV) for a stable colloid is

**20 to 50**

72) In an emulsion which instability step is prevented by emulsifiers?

**Breaking**

73) An o/w microemulsion is prepared using a hydrophilic surfactant. The appearance of the microemulsion is

**Transparent**

74) For an ideal suspension, the sedimentation volume should be

**Equal to one**

75) The preservatives are added to the emulsion. The following statement is true.

   **Preservative should have good partition coefficient**

76) Which of the following polymer is widely used in film coating of tablets

   **HPMC**

77) The sweetening agent commonly used in chewable tablet formula is

   **Mannitol**

78) Lamination is:

   **Separation of a tablet into two or more distinct layers**

79) Mechanism of absorption through skin is

   **All**

80) Suitable ointment base for burns is

   **Absorption base**

81) Ibuprofen enteric coated tablets are

   **Delayed release tablet**

82) Tablet coating defect is:

   **All**
83) Dose dumping is a problem with **Controlled release products**.

84) Type of base required for antibiotic ointment is **Hydrocarbon base**.

85) Drying of soft shell capsules is done by **Vacuum drying**.

86) Delayed release system is: **Enteric coated tablets**.

87) Bloom strength is a parameter for: **Both A and B**.

88) Cab-O-sil is a **Lubricant**.

89) Drugs in suspension and semisolid formulations always degrade by **Zero order kinetics**.

90) Cocoa butter is used as a **Rectal base**.

91) Major drug release mechanisms from CR dosage forms are **Dissolution, Diffusion, Erosion**.

92) Rate of drug bioavailability is most rapid in **Solutions**.

93) Ludipress is a **Directly compressible lactose**.

94) Flint glass refers to a **Colourless transparent glass**.

95) Rheology of Antifungal ointment should be **Plastic**.

96) Aminoacid neurotransmitter is **Glutamate**.
97) Which of the following barbiturates undergoes metabolism by desulfuration
   Pentobarbital
   3,1,6-

98) dimethyl aniline is the starting material for the synthesis of
   Lidocaine

99) Which of the following statements about prostaglandins is not true
   Prostaglandins are eicosanoids made from saturated fatty acids.

100) Unsaturation in the basic structure of prostaglandins is at
   C11

101) The substitution of a CH₃ group of morphine with a CH₂CH=CH₂ group leads to
   Opioid antagonist such as nalorphine, naloxone, naltrexone

102) Which of the following drugs has Benzeneacetic acid moiety in its structure
   Ibuprofen

103) The drug used to treat erectile dysfunction is
   PGE₁

104) Which of the following is a selective β₁-blocker
   Atenolol

105) Loop diuretics are
   Inhibitors of Na⁺- Cl-sympport

106) Which is an ACE inhibitor
   Captopril

107) Bromination of 1-chloro-2,2,2-trifluoroethane gives
   Halothane
108) Indole derivative used as anti-cancer agent is

   Vincristine

109) One of the following drugs has 1,4-dihydropyridine structure, a tertiary amino group in the side chain and ca+ channel antagonist action

   Nicardipine

110) Phentolamine is given by I.V in hypertension is a derivative of

   Imidazole

111) Example of Ultra short acting barbiturate

   Thiopental

112) Chelation of following antibiotic with Ca+2 ion of milk reduces its absorption

   Tetracyclins

113) Incidence of Gallbladder cancer is highest in

   Chile

114) The phase of the cell cycle that is resistant to most anti-cancer drug therapies

   G0 phase

115) The most common side effect of the oral administration of ampicillin is

   Diarrhoea

116) Which of the following is primarily a bactericidal drug

   Gentamicin

117) Chloramphenicol can cause

   2 & 3

118) Which drug cause photosensitivity

   Tetracycline

119) Tetracycline is contraindicated in

   All of the above
120) Which of the following is pencillinase resistant pencillin
   
   Cloxacillin

121) Protamine is combined with insulin preparation
   
   To prolong the duration of action

122) Muscular relaxation takes place in
   
   Stage III of anesthesia

123) Which one of these may produce violent excitatation?
   
   Ethyl Chloride

124) Phocomelia is a characteristic for
   
   Thalidomide

125) In Parkinson’s disease, there is a deficiency of
   
   Dopamine

126) Digitalis preparations are contra- indicated with
   
   Thiazide diuretics

127) Which of the following causes cardiomyopathy?
   
   Daunorubicin

128) Which one of these is not a autoimmune disease
   
   Type II diabetes mellitus

129) Mechanism of action of prednisolone is
   
   Related to reduction in peripheral blood lymphocyte
130) Skeletal muscle relaxant action by inhibiting impulse transmission is

**Pancuronium**

131) Adrenaline and noradrenaline proportion in the body is

**3.85 parts of Adrenaline and 15 parts of noradrenaline**

132) One of the following drug interferes with cellular metabolism, especially in the synthesis of mycolic acid. Identify

**Isonicotinic acid hydrazide**

133) Which one of the following is cholinesterase reactivator

**Pralidoxime**

134) Local anesthetic with vasoconstrictor effect is

**Cocaine**

135) Tolbutamide is contraindicated in

**Renal insufficiency**

136) Oral hypoglycemic agent causing lactic acidosis is

**Phenformin**

137) H2-receptor antagonists include all the following except

**Omeprazole**

138) Spina bifida occurs with the use of

**Sodium valproate**

139) Antihypertensive effect of methyldopa acts by

**Stimulating the β adrenergic in the brain stem**
140) Verapamil exerts its effects by following mechanism

**Inhibiting the entry of calcium through slow channels**

141) The following anti arrhythmic drug increases the plasma concentration of digoxin

**Quinidine**

142) one of the following drug is not under the class of catecholamine

**Phenylephrine**

143) The drug used in hypertensive patients for the diagnosis of pheochromocytoma is

**Guanethidine**

144) Drug of choice for fast and vigorous diuresis is

**Furosemide**

145) Liver microsomal enzymes are stimulated (enzymic induction) by

**Phenobarbitone**

146) Cholinergic receptor present in intestinal muscle is

**Nicotine receptor**

147) Oral contraceptive failure in rifampicin therapy is due to their

**Increased metabolism**

148) β-Adrenoreceptor antagonist diminishes the effectiveness of which β-adrenoreceptor agonist

**Salbutamol**

149) Phenylbutazone displaces which drug from binding sites of albumin

**Warfarin**
150) Which of the following drug is responsible to inhibit pencillin secretion

Probenacid