

ROSE PHARMACY CLASSES

(NIPER JEE-10) Model Test Paper-II

Time: 2Hrs

Paper Code-101 A

Total Questions: 200

- Instructions:-** 1. Check that your question set contains all the pages & 200 questions
2. Each Question carries 0.5 mark and 25% negative marking for all.
3. Mention the paper code on your answer sheet & use HB pencil only.

- Q.1** One psig is equal to
a) psia – 14.7 b) psia – 15.7 c) psia – 16.7 d) psia – 17.7
- Q.2** Enteric tablet coating material is
a) Sodium carboxy methyl cellulose b) Hydroxypropyl methyl cellulose
c) Povidone d) Polyvinyl phthalate acetate
- Q.3** Solubility of gelatin capsule is decreased by
a) Fumaric acid b) Formaline c) Titanium oxide d) All of the above
- Q.4** Which of the following is water insoluble polymer?
a) Hydroxypropyl methyl cellulose b) Ethyl cellulose
c) Polyvinyl pyrrolidone d) Hydroxypropyl cellulose
- Q.5** In Roche friabilator, plastic chamber revolves at
a) 25 rpm b) 50 rpm c) 15 rpm d) 30 rpm
- Q.6** Diffusivity of a solute is affected by
a) Temperature b) Pressure c) Chemical nature d) All of these
- Q.7** Equation of half life of a substance in zero order reaction is
a) $0.693/k$ b) $a/2k$ c) $1/ak$ d) $3/2a2k$
- Q.8** which of following is neutral preservative?
a) Chlorocresol b) Chlorobutanol c) Phenyl mercuric acetate d) Thiomersol
- Q.9** National Chemical Laboratory (NCL) is located at
a) Pune b) Kasauli c) Chennai d) Nagpur
- Q.10** Inadequate spreading of the coating solution before drying is called as
a) Hazing b) Blistering c) Cracking d) Orange peel effect
- Q.11** The mesh size of USP disintegration apparatus is
a) 2 mesh b) 5 mesh c) 10 mesh d) 20 mesh
- Q.12** According to phase rule, where the degree of freedom is 3, the system is
a) Bivariant b) trivariant c) Invariant d) Univeriant
- Q.13** The ratio of dry gelatin/dry glycerin in soft gelatin capsules is
a) 1/0.4 b) 1/0.6 c) 0.8/1 d) 1/0.8
- Q.14** The term used to describe the setting of an aggregated system & refers to the descending of the boundary between the sediment & clear supernatant above it is
a) Ostwald ripening b) Subsidence c) Sedimentation d) none
- Q.15** which one is dimensionless quantity
a) Porosity b) Tortuosity c) both a & b d) None of these
- Q.16** At critical temperature, the surface tension of liquid
a) increases up to some extend b) does not change c) becomes zero d) becomes negative

- Q.17** When one of a solute is soluble in nine parts of a solvent, then the solute is
a) very soluble b) soluble c) sparingly soluble d) freely soluble
- Q.18** Number of significant figures in 28.0 are
a) 4 b) 2 c) 1 d) 3
- Q.19** Bloom strength of gelatin capsule is directly proportional to
a) molecular weight b) molecular chain length c) solubility of gelatin d) weak forces
- Q.20** HLB values of detergents are in the range of
a) 13-16 b) 8-16 c) 7-9 d) 3-8
- Q.21** Oral pharmaceutical aerosols involve the use of all propellants except
a) trichloromonofluoromethane b) dichlorodifluoromethane
c) dichlorotetrafluoromethane d) isobutane
- Q.22** Angle of repose for free flowing powder is
a) less than 20° b) less than 40° c) above 50° d) above 80°
- Q.23** Chemical nature of asbestos is
a) Silica b) cellulose c) alumino silicate d) silico tungstate
- Q.24** The size reduction of substance to an extremely fine by rubbing on a slab with the help of an insoluble liquid is called
a) Pulverization b) Levigation c) Trituration d) Elutriation
- Q.25** Psychrometric chart is related to
a) Osmotic pressure b) Humidity c) solubility d) evaporation
- Q.26** The unit of viscosity is
a) g/cm.sec b) g sec/cm c) g.cm.sec d) g.cm/sec
- Q.27** Magnesia magma is an example of
a) Plastic flow b) Pseudo plastic flow c) Dilatant flow d) Newtonian flow
- Q.28** 0°C is equal to
a) 273.61°K b) 273.16°K c) 273.00°K d) 273.68°K
- Q.29** Cedar wood oil is used inMagnification
a) 4x b) 10x c) 40x d) 100x
- Q.30** Ashwagandha is also known as
a) Withania root b) Shatmuli c) Virgianian bark d) none of these
- Q.31** One of the following dominantly contain mucilage
a) Isapgol b) Cascara c) Liquorice d) Ajwan
- Q.32** When vitamin D is dissolved in chloroform and antimony trichloride solution is added to it, which color is produced
a) trancient blue b) pinkish red c) Yellowish green d) greenish yellow
- Q.33** In case *Eugenia caryophyllus*
a) calcium oxalate prisms are absents b) trichomes are absent c) starch absent d) all of these
- Q.34** Canada balsam is used for
a) Staining the section b) Staining the calcium oxalate crystal
c) Fixing the section d) Staining the starch grain
- Q.35** Sodium cromoglycate has been developed from ...molecule found in *Ammi visnaga*
a) Khellin b) Tubocuranin c) Morphine d) Physostigmine
- Q.36** St Johns wort is widely used in United States mainly as
a) Antioxidant b) Antitussive c) Antidepressant d) none of these
- Q.37** Biochemical target in pharmaceutical lead discovery may be
a) Enzymes b) Receptor c) Ion channels d) All of these

- Q.38** HTS means
a) High throughput screening b) Herbal Therapeutic survey c) Both a & b d) none of these
- Q.39** Carbohydrate consisting of methoxylated polygalactouronic acid is
a) Chitin b) Cutin c) Suberin d) Pectin
- Q.40** Cystoliths present in
a) Vinica leaves b) Datura leaves c) Digitalis leaves d) Vasaka leaves
- Q.41** Covering trichomes present in Datura are
a) Uniseriate unicellular b) Uniseriate multicellular c) Biseriate unicellular
d) Biseriate multicellular
- Q.42** Spanish Foxglove is
a) *D. lanta* b) *D. lutea* c) *D. thapsi* d) *D. purpurea*
- Q.43** *In coriander sativum*; primary ridges are
a) 8 in numbers, prominent & straight b) 10 in numbers, prominent & straight
c) 8 in numbers, wavy & inconspicuous d) 10 in numbers, wavy & inconspicuous
- Q.44** Which is not characteristic of Gentian roots
a) Stone cells are absents b) Starch grains are absents c) Phloem fibers are absent
d) Calcium oxalate crystals are absent
- Q.45** Calcium oxalate crystals in *Rauwolfia* root are
a) Prismatic b) Cluster c) Acicular d) Rosette
- Q.46** Aglycon present in ginsenoside is
a) dammarol b) oleanolic acid c) Panaxadiol d) Pogygallic acid
- Q.47** Virus free plant can be obtained from
a) root culture b) meristem culture c) anther culture d) all of these
- Q.48** Morphine alkaloids are biosynthesized from ... amino acid
a) Phenyl alanine b) tyrosine c) lysine d) alanine
- Q.49** *Nux vomica* contains strychnine not less than
a) 1.2 b) 2.3 c) 2.1 d) 3.2
- Q.50** Dragendroff's reagent is
a) Potassium mercuric iodide b) Potassium bismuth iodide
c) Potassium iodide d) Picric acid
- Q.51** Kurchi bark belongs to family
a) Rubiaceae b) Apocynaceae c) Loganiaceae d) Leguminoceae
- Q.52** The Major Volatile oil present in Eucalyptus leaves is
a) Cineol b) Citral c) Menthol d) Ascaridol
- Q.53** Immobilization of enzyme on self assembling nanocrystalline ceramic core is called
a) aquasome b) neosome c) transfersome d) mesosome
- Q.54** In kinetics of cell growth in fermentation process, the phase in which cell number does not vary is called
a) Latent period b) Static period c) Death period d) deaccelerated period
- Q.55** All enzymes are..... in nature
a) Lipid b) Protein c) Carbohydrates d) Lipopolysachharide
- Q.56** Microorganism used for obtaining dextran by fermentation is
a) *Leuconostoc mesenteroids* b) *Aspergillus oryzae*
c) *Trichoderma reesii* d) *Aspergillus niger*
- Q.57** In tissue culture, all used as microelements except
a) Mn b) Zn c) Cu d) Mg

- Q.58** Immobilization technique involves
a) entrapment b) complexation c) adsorption d) all of these
- Q.59** The protein part of enzyme is referred as
a) haloenzyme b) apoenzyme c) prosthetic group d) activator
- Q.60** A gelling agent in case of tissue is
a) sucrose b) cellulose c) agar d) gum xanthum
- Q.61** Which is the functional group transferred by coenzyme pyridoxal phosphate
a) aldehyde b) H-atom c) amino d) acyl
- Q.62** Extrachromosomal DNA which irreversibly integrate in the host DNA is called
a) plasmid b) mesosome c) episome d) none of these
- Q.63** Total number of Purine nucleotides is equal to total number of Pyrimidine nucleotides. This according to
a) Watson & Crick model b) Bohr's model c) Chargaff's rule d) none of these
- Q.64** Exonucleases functions
a) to remove nucleic acid only from the end of chain b) to remove sugar part of DNA
c) to break bond within the DNA chain d) all of these
- Q.65** In the cell culture, which gas is used in Cryopreservation of animal cells
a) O₂ b) N₂ c) SO₂ d) CO₂
- Q.66** Some enzymes requires metal ion for their activity. The metal ion is called as
a) Co- factor b) Co-enzyme c) Activator d) all of these
- Q.67** The movement of gene from one chromosome to another or from one site to different one on the same chromosome is called as
a) translation b) transposition c) transformation d) translocation
- Q.68** Enzyme used for conversion of m-RNA into c-DNA is
a) DNA polymerase b) DNA ligase c) Reverse transcriptase d) RNA polymerase
- Q.69** The agglomeration of several fold chains of amino acid is known as ...structure
a) Primary b) Secondary c) Tertiary d) Quaternary
- Q.70** Gene manipulation to modify germ cells of animals permanently is called
a) transgenesis b) transphoresis c) gene expression d) none of these
- Q.71** Resolving power of electron microscope is near about
a) 1nm b) 0.1nm c) 0.01 nm d) 0.001 nm
- Q.72** In differential staining techniques, counter stain used is
a) neutral red b) crystal violet c) methyl violet d) gentian violet
- Q.73** The substances which are incapable to induce antibody formation themselves but can react with antibodies are known as
a) Antigen b) Haptenes c) Complete Antigen d) none of these
- Q.74** The bacteria which cannot grow in presence of oxygen is termed as
a) facultative anaerobes b) obligate anaerobes c) aerotolerant anaerobes
d) microaerophiles
- Q.75** Diagnostic test for Scarlet fever is
a) Fris test b) Paulbunnen test c) Schultz-Charnton test d) Dick test
- Q.76** The most abundant amino-acid present in the body is
a) Alanine b) Gultamine c) Asparagine d) Tyrosine
- Q.77** Antibody, which crosses the placental membrane, is
a) IgA b) IgM c) IgG d) IgD
- Q.78** All of the followings are fat soluble vitamins except

- a) Vit-A b) Vit-K c) Vit-C d) Vit-E
- Q.79** Glycolysis occurs in
a) Mitochondria b) Cytoplasm c) Golgi apparatus d) Endoplasmic reticulum
- Q.80** Krabbe's disease is due to the deficiency of
a) β -Galactosidase b) β -Glucosidase c) Ceramidase d) Sphingomylinase
- Q.81** In normal healthy adult, blood urea concentration is
a) 20 mg/dL b) 60 mg/dL c) 80 mg/dL d) 100 mg/dL
- Q.82** In anchored polymerase chain reaction (PCR), many primers used
a) 1 b) 2 c) 3 d) 4
- Q.83** Which of the following Anticancer agent have least emetogenic activity
a) Cisplatin b) Cyclophosphamide c) Decarbazine d) Hydroxyurea
- Q.84** British Antilewisite (BAL) is name of
a) Pencillamine b) Dimercaprol c) Deferiprone d) Melarsoprol
- Q.85** Which of the following do not show Albumine-protein binding
a) Barbiturates b) Lignocaine c) NSAIDs d) Tolbutamide
- Q.86** The first line drug for Burkett's lymphoma is
a) Dauxorubicin b) Actinomycine-D c) Cyclophosphamide d) Vinblastin
- Q.87** Which of the following factors affects the volume of distribution (Vd) of drug
a) pKa of drug b) partition coefficient of drug c) plasma protein d) all of these
- Q.88** Canrenone is active metabolite of
a) Digitoxin b) Spironolactone c) Dexamethasone d) Prednisone
- Q.89** Inverse agonist means
a) binds to receptor and produces the effect of agonist b) binds to receptor and opposes the effect of agonist c) binds to receptor and produces opposite effect of agonist d) binds to receptor and produces the effect like antagonist
- Q.90** The genetically determined unwanted reactivity to chemicals or drugs is called
a) Intolerance b) Drug allergy c) Idiosyncrasy d) Poisoning
- Q.91** Which of the following agent is used in ameliorative test of Myasthenia gravis
a) Eudrophonium b) Physostigmine c) Pyridostigmine d) Neostigmine
- Q.92** Dale's experiment is related with
a) Angiotensine b) Serotonine c) Adrenaline d) Acetylcholine
- Q.93** Straubb reaction in rats is shown by
a) Ephedrine b) Morphine c) Histamine d) Dopamine
- Q.94** Selective α_2 - antagonist is
a) Phenoxybenzamine b) Clonidine c) Yohimbine d) Phentolamine
- Q.95** Auerbach's plexuses and Meissner's plexuses are present in
a) sympathetic system b) Parasympathetic system c) enteric nervous system d) none
- Q.96** One IU of Insulin equals to
a) 0.04082 mg b) 0.4082 mg c) 0.004082 mg d) 0.0004082 mg
- Q.97** De-Jalons method is used in the bioassay of
a) Insulin b) Digitalis c) Adrenaline d) Histamine
- Q.98** Which one of the following stimulates central trigger zone(CTZ)& induces vomiting
a) Hyoscine b) Ipecac syrup c) Both a & b d) none of these
- Q.99** One of the following is not a Leukotriene synthetase inhibitor
a) Montelukast b) Nedocromil sodium c) Ziluton d) Zafirlukast
- Q.100** Which one of following anticonvulsant acts by blocking T-type Calcium channels

- a) Ethusuximide b) Iminostilbines c) Lamotrigine d) Topiramine
- Q.101** Concurrent use of loop diuretics and Streptomycin is avoided because of
a) Ototoxicity b) Nephrotoxicity c) Neuromuscular-blockage d) Agranulocytosis
- Q.102** Erythromycin acts by
a) combining with 50s-ribosome b) combining with 30s-ribosome
c) Interfering with DNA synthesis d) all of these
- Q.103** Loss of visual acuity due to optic neuritis is a major side effect of
a) Pyrazinamide b) Ethambutol c) Rifampicin d) Thiactazone
- Q.104** Polyene antibiotics are ineffective against bacteria because
a) unstable to penetrate bacterial cell wall b) bacteria does not have sterol
c) Both a & b d) none of these
- Q.105** G-protein coupled receptors are located
a) intracellularly b) in cell membrane c) both a & b d) none of these
- Q.106** Torsion angles in staggered conformation is
a) 90° b) 120° c) 60° d) 45°
- Q.107** One of the following does not show enantiomerism
a) lactic acid b) Isopropyl chloride c) chloriodo methane sulphonic acid
d) secondary butyl chloride
- Q.108** One of the following does not give information about the conformations of macro molecules in solution
a) CD b) ORD c) XRD d) none of these
- Q.109** One of the following is incorrect
a) optical rotation is pH dependent b) optical rotation change with in solvent
c) (S)-(+)-lactic acid is levo-rotatory in water d) unit of specific rotation is $\text{deg cm}^2 \text{ g}^{-1}$
- Q.110**is stereomutation
a) racemization b) epimerization c) asymmetric transformation d) all of these
- Q.111** (+)-Lactic acid is
a) dextro rotatory b) levorotatory c) meso d) achiral
- Q.112** Phospholipids are usually in
a) anionic form b) dipolar ion form c) non-ionic form d) cationic form
- Q.113** Hydroxylation of cyclopentene with KmnO_4 results in
a) cis-1,2-cyclopentanediol b) trans-1,2-cyclopentanediol c) cyclopentanol d) all
- Q.114** A substance decolourise bromine solution in CCl_4 and a cold, dilute, neutral permagnet solution. The substance is
a) alkane b) alkene c) alcohol d) aldehyde
- Q.115** One of the following great name is related with magic bullet
a) Pasteur b) Ehrlich c) Sorenson d) A. Fleming
- Q.116** A cake of round shape has to divided in three straight strokes by a knife. How many maximum slice can be obtained
a) 7 b) 8 c) 6 d) 9
- Q.117** Population of 1 billion grows by 1% each year. How many years does it take to grow approximately double its present size ?
a) 10 b) 100 c) 50 d) 200
- Q.118** Find the next number in this series: 2, 5, 10, 17, 26
a) 35 b) 38 c) 48 d) 37
- Q.119**is measure of central tendency

- a) Mean b) Mode c) Median d) all of these
- Q.120 Find the missing number 24:15::63:?
a) 56 b) 38 c) 48 d) 28
- Q.121 Bloch & Purcell won the Nobel prize of 1952 for their contribution in
a) NMR b) IR c) DSC d) Chromatography
- Q.122 Densitometry is used in
a) GCIR b) TLC c) GLC d) all of these
- Q.123 One of the following is largest Cotton producing state in India
a) Rajasthan b) Gujarat c) Utter Pradesh d) Maharashtra
- Q.124 Beer-Lambert's law is applied in
a) UV-Visible spectroscopy b) IR-spectroscopy c) both a & b d) none
- Q.125 gas is used in Hallow cathode discharge lamp
a) Helium b) Neon c) Argon d) All of these
- Q.126 is called as vibrational spectroscopy
a) UV-Visible spectroscopy b) IR-spectroscopy c) ESR d) NMR
- Q.127 Vodaka is an alcoholic beverage obtained from the fermentation of
a) Potato b) Apple c) Rice d) all of these
- Q.128 Pethidine is used in
a) Obtaining pleasure b) Euphoria c) Parkinsonism d) Aneasthesia
- Q.129 is a tribasic acid
a) CH_3COOH b) H_2SO_4 c) H_3PO_4 d) none of these
- Q.130 Column coupling HPLC is known as
a) Column back flushing b) Boxcar c) Filtration d) none of these
- Q.131 one of the following is not Xanthine alkaloid
a) Caffeine b) Theophylline c) Theobromine d) Amphetamine
- Q.132 is non reducing sugar
a) Glucose b) Fructose c) Sucrose d) all of these
- Q. 133 Anomers are also
a) Diastereomers b) Enantiomers c) both a & b d) none of these
- Q.134 Glimepride & Glipizide are except their
a) Glimepride-pyrazine b) Glimepride-Pyrrolidine c) Glipizide- pyrrolidine d) none
- Q.135 Carr Price reaction of vitamin A gives
a) Intense blue b) Intense violet c) Intense green d) Intense red
- Q.136 One of the following is Benzothiazepine calcium channel blocker
a) Verapamil b) Nifedipine c) Biperidine d) Diltiazem
- Q.137 is the suitable candidate for mucoadesive drug delivery system
a) Nitroglycerin b) Verapamil c) Propranolol d) all of these
- Q.138 Find out incorrect pair
a) stomach pH 1-3 b) skin pH 4-5 c) saliva pH 6-7 d) tears pH 6-7
- Q.139 The most stable conformation of Acetylcholine is
a) Trans b) Guache c) Eclipsed d) all of these
- Q.140 Nano car was designed by
a) Suzuki b) Escort c) TATA d) All of these
- Q.141 One of the following is long acting Insulin preparation
a) Insulin Zinc suspension b) Globin Insulin Zinc suspension
c) Protamine Insulin Zinc suspension d) Isophane Insulin suspension

- Q.142** Nernst distribution law is related to
a) Partition coefficient b) Oxidation potential c) Reduction potential d) none
- Q.143** Amino acid shows fluorescence
a) Glycine b) Tryptophane c) cysteine d) Serine
- Q.144**.....Plating is used in GC-IR to increase the effective pathlength of IR cell
a) Gold b) Stainless Steel c) Chromium d) none of these
- Q.145** Resolution of HPLC can be performed by
a) Decreasing particle size b) Decreasing column diameter
c) changing the flow rate d) all of these
- Q.146** One of the following is universal HPLC detector
a) IR b) UV-Visible c) Refractive index d) all of these
- Q.147** Solvent shift in UV-Visible spectroscopy is related with
a) Boiling point of solvent b) Polarity of solvent c) Molecular weight of solvent d) none
- Q.148** 1ng is equal to
a) 10^{-6} mg b) 10^6 mg c) 10^{-9} mg d) 10^9 mg
- Q.149**is a standard in mass spectroscopy
a) TMS b) DSS c) PFK d) None of these
- Q.150** Henery-Mosley relationship is related to
a) UV-Visible spectroscopy b) IR Spectroscopy c) NMR d) X-ray diffraction
- Q.151** One of the following statement is incorrect
a) Polarimetry and Polarography are the same b) current remains constant in polarography
c) 0.1 HCl solution is present in glass electrode d) Electrol powder can be analyzed by flame photometry
- Q.152** Compatibility of drug with excipient can be studied by
a) DSC b) AAS c) UV-Visible spectroscopy d) none of these
- Q.153** Conjugation in molecule increases
a) Absortivity b) Extinction coefficient c) Molar absortivity d) all of these
- Q.154** Normality of concentrated HCl is approximately
a) 11.7 N b) 17 N c) 35 N d) none of these
- Q.155** Most of the drugs used in the USP are assayed by
a) UV-Visible spectroscopy b) IR Spectroscopy c) NMR d) Chromatography
- Q.156** Headspace analysis is done by
a) GC b) HPLC c) HPTLC d) none of these
- Q.157** Gastric residence time of a dosage form can be studied by
a) X-ray crystallography b) γ -Scintigraphy c) both a & b d) None of these
- Q.158** Mylar film is used in instrumentation of
a) NMR b) FTIR c) polarimeter d) none of these
- Q.159** Control of pressure is important in
a) UV-Visible spectrometry b) IR Spectrometry c) NMR d) Mass Spectrometry
- Q.160** If mobile phase or stationary phase in HPLC is chiral, then
a) Enantiomers can be separated b) Enantiomers can not be separated
c) Flow rate is to be reduced d) Guard column can be used
- Q.161** Cyclohexane shows....NMR spectra at temperature 25° C & -40° C
a) same b) different c) no d) two
- Q.162** Analytical technique useful in evaluation of aerosols
a) IR b) GC c) both a & b d) none of these

- Q.163** Hooke's law is basis for
a) X-ray diffraction b) IR spectrometry c) NMR d) ESR
- Q.164** EDTA is
a) Hexadentate b) Pentadentate c) Heptadentate d) Tetradentate
- Q.165** ICH guidelines are related to
a) Analytical method validation b) Stability studies of tablets
c) Stability studies of SR tablets d) all of the above
- Q.166** Hydrogen bonding interactions between two polymers can be studies by
a) X-ray diffraction b) IR spectrometry c) NMR d) non of these
- Q.167** LASER means
a) Light amplification by stimulated emission of radiation b) Light attenuation by stimulated emission of radiation
c) Light amplification by simulated emission of radiation d) Light attenuation by simulated emission of radiation
- Q.168** Validation of analytical method considers
a) Accuracy b) Cost effectiveness c) both a & b d) none of these
- Q.169** Pharmacy practice is related to
a) Patient counseling b) Dispensing c) Inventory control d) All of these
- Q.170** Correlation coefficient is 0.98. it means there is....correlation
a) no b) good c) worst d) bad
- Q.171** C-O stretching is indicated in IR spectra in the range of
a) 1650-1790 cm^{-1} b) 2360-2450 cm^{-1} c) 990-1100 cm^{-1} d) 3310-3540 cm^{-1}
- Q.172** Synonym of **silently angry** is
a) Sulk b) Siesta c) Surfeit d) none of these
- Q.173** **Ajar** means
a) tightly closed b) slightly open c) open d) stop
- Q.174** ABC analysis is related to
a) Population control b) Inventory control c) both a & b d) none of these
- Q.175** the number of isomer of glucose
a) 4 b) 8 c) 16 d) 12
- Q.176** Prazepam, Oxazepam, Clonazepam are structurally similar have the ring system
a) Dibenzazepine b) Benzothiadiazine c) Benzodiazepine d) Benzoazepine
- Q.177** 2-Hydroxy-5,9-dimethyl-6,7 benzomorphan derivative is
a) Pentazocine b) Hydrocodone c) Codeine d) Buprenorphine
- Q.178** COX-2 inhibitors (e.g.Rofecoxib) is not to be given, if the patient is already taking
a) Antiallergic drugs b) Anxiolytic drugs c) Oral antidiabetic drugs d)Antihypertensive
- Q.179** Morphine undergoes microsomal oxidation by
a) N-dealkylation b) Aromatic hydroxylation c) Oxidative deamination d) O-dealkylation
- Q.180** What is the starting material for the synthesis of INDOMETHACIN
a) Anisole b) p-anisidine c) p-chloroaniline d) Phenitidine
- Q.181** What is the chemical class of Zolpidem
a) Imidobenzene b) Imidopyrimidine c) Imidazopyridine d) Cyclopyrrolone
- Q.182** Proenkephaline B is precursor of which one endogenous peptide
a) Met-enkephaline b) Leu-enkephaline c) Dynorphine d) Beta-endorphine
- Q.183** Which one is not the property of K-receptor agonist
a) Analgesia b) Sedation c) Diuresis d) Immune suppression
- Q.184** 6-(dimethylamino)-4,4 diphenyl 3-heptanone is

- a) Methadone b) Propoxyphen c) Phenoxybate d) fentanyl
- Q.185** The drug Naloxone
 a) Produce morphine like activity b) Produce respiratory depression
 c) Induce constipation d) precipitate withdrawal symptoms in morphine addicts
- Q.186** Anti-inflammatory activity of arylalkanoic acid is associated with
 a) R-[-] enantiomer b) E-form c) S-(+) enantiomer d) Z-form
- Q.187** 6-methoxy naphthalene-2-acetic acid is active form of
 a) Naproxen b) Nabumetone c) naphthopyridine d) Oxazocin
- Q.188** Sulindac is prodrug which is metabolite to its active form which one is
 a) Sulfone b) Sulfide c) Sulfine d) Sulphomoyl
- Q.189** which one drug is not used in the control of gout
 a) Probenecid b) Sulfinpyrazone c) Allopurinol d) D-Penicillamine
- Q.190** which one is different from others
 a) (-) butorphanol b) Nalbufine c) (-)Pentazocine d) Alfentanil
- Q.191** Etorcoxib is
 a) Cox-I inhibitor b) MAO-inhibitor c) COX-II inhibitor d)Both a & b
- Q.192** when p-chloroaniline is treated with Benzoyl chloride it forms A in the presence of Zinc Chloride. What is the A?
 a) 2-amino 5-chloro acetophenone b) 2-amino 5-chloro propiophenone
 c) 2-amino 5-chloro benzophenone d) 5-amino 2-chloro benzophenone
- Q.193** when a drug A is teated with bromoacetyl bromide to form 2-bromo-N-acetamido-5-chloro Benzophenone then later is teated with ammonia solution and finally methylated with dimethyl Sulfate. The end product is
 a) Oxazepam b) Diazepam c) Nitrazepam d) Clonazepam
- Q.194** In wilgerodt reaction
 a) Ester group is converted to amide b) Acid group is converted to alcohol
 c) A carboxyl group is converted to ester d) A carboxyl group is converted to amide
- Q.195** Drotaverine is a
 a) Anticholinergic b) Phosphodiesterase-4-inhibitor c) Cholinergic d) Beta-blocker
- Q.196** Which is the drug of choice for nocturnal enuresis.
 a) Imipramine b) Carbachol c) Neostigmine d) Arecoline
- Q.197** Anticholinergic drugs used in Parkinsonism to prevent following except
 a) Salivation b) Extra pyramidal syndrome c) Diarrhea d) Sweat
- Q.198** Asthmatics should avoid
 a) Phenylephrine b) Beta-blocker c) Anticholinergics d) Anti-histaminics
- Q.199** Tetracycline's are inactivated upon
 a) Hydrolysis b) Epimerization c) Oxidation d) Racemization
- Q.200** Which of the following route used for BCG vaccine
 a) Subcutaneous b) Intradermal c) Transdermal d) Oral

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|---------------------------------|-------------|-------------|--------------|--------------|
| Answer Key(NIPER JEE-II) | | | | |
| 1.a | 46.c | 91.a | 136.d | 181.c |

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|------|------|-------|-------|--------|
| 2.d | 47.b | 92.d | 137.a | 182.c |
| 3.b | 48.b | 93.b | 138.c | 183.b |
| 4.b | 49.a | 94.c | 139.b | 184.a |
| 5.a | 50.b | 95.c | 140.c | 185.d |
| 6.d | 51.b | 96.b | 141.c | 186.c |
| 7.b | 52.a | 97.c | 142.b | 187.a |
| 8.c | 53.b | 98.b | 143.b | 188.b |
| 9.a | 54.d | 99.c | 144. | 189.d |
| 10.d | 55.b | 100.a | 145.a | 190.d |
| 11.c | 56.a | 101.a | 146.b | 191.c |
| 12.a | 57.d | 102.a | 147.b | 192.c |
| 13.d | 58.d | 103.b | 148.a | 193.b |
| 14.a | 59.b | 104.b | 149.b | 194.c |
| 15.a | 60.c | 105.b | 150.d | 195.b |
| 16.c | 61.c | 106.b | 151.a | 196.a |
| 17.d | 62.a | 107.b | 152.a | 197.c |
| 18.d | 63.c | 108.c | 153.b | 198.b |
| 19.a | 64.a | 109.c | 154.a | 199.b |
| 20.a | 65.b | 110.d | 155.d | 200.a. |
| 21.d | 66.a | 111.a | 156. | |
| 22.a | 67.b | 112.c | 157.b | |
| 23.c | 68.c | 113.a | 158. | |
| 24.a | 69.d | 114.b | 159.d | |
| 25.b | 70.a | 115.b | 160.a | |
| 26.b | 71.b | 116.c | 161. | |
| 27.a | 72.b | 117.c | 162.c | |
| 28.b | 73.b | 118.d | 163.b | |
| 29. | 74.b | 119.c | 164.a | |
| 30.a | 75.d | 120.b | 165.d | |
| 31.a | 76.c | 121.b | 166.b | |
| 32.b | 77.c | 122.a | 167.c | |
| 33.d | 78.c | 123.b | 168.c | |
| 34.c | 79.b | 124.a | 169.a | |
| 35.a | 80.a | 125.a | 170.b | |
| 36.c | 81.a | 126.b | 171.a | |
| 37.d | 82.c | 127.c | 172.a | |
| 38.c | 83.b | 128.d | 173.b | |
| 39.d | 84.b | 129.c | 174.b | |
| 40.d | 85.b | 130.a | 175.c | |
| 41.b | 86.c | 131.d | 176.c | |
| 42.c | 87.d | 132.c | 177.a | |
| 43.d | 88.b | 133.b | 178.d | |
| 44.a | 89.c | 134.b | 179.a | |
| 45.a | 90.c | 135.a | 180.b | |