

ROSE PHARMACY CLASSES

(NIPER JEE-10) Model Test Paper-I

Max. Marks:100
Time: 2 Hours

Paper Code-101 B **Total Questions: 200**
25 % negative marking for each wrong answer

Instructions:- 1. Check that your Paper set contains all the pages & 200 questions.
2. Mention the paper code on your answer sheet & use HB pencil only.

Q.1 One of the following determine rate of reaction

- a) ΔH b) $E_{\text{activation}}$ c) Both a & b d) None of these

Q.2 Le Bel and Vont Hoff are names related with

- a) Racemic modification b) thermodynamics
c) tetrahedral geometry carbon d) free radical reactions

Q.3 One of the following is true:

- a) $2P_x, 2P_y, 2P_z$ orbitals are of equal energy b) $2s$ is low energy orbital as compared to $1s$
c) $2P_x$ has lower energy than that of $2P_y$ d) $2P_x$ has higher energy than that of $2P_y$

Q.4 Only two electrons of opposite spins can occupy an atomic orbital. This is

- a) Pauli's exclusion principle b) Plank's rule c) Markovnikov's rule d) none of these

Q.5 Hell-Volhard-Zelinsky reaction involves only α -halogenation of aliphatic carboxylic acids in presence of small amount of

- a) nitrogen b) Phosphorus c) sulphur d) peroxide

Q.6 One of the following is non reducing sugar

- a) glucose b) fructose c) trehalose d) lactose

Q.7 Invert sugar is

- a) dextrorotatory b) levorotatory c) Racemic mixture d) optically inactive

Q.8 All enzyme in the body are

- a) carbohydrates b) lipids c) Proteins d) nueclic acids

Q.9 One of the following amino acid is bicaroxalic acid

- a) glycine b) ornithine c) citruline d) aspartic acid

Q.10 At the Isoelectric point, amino acid usually shows

- a) highest solubility b) lowest solubility c) Intermediate solubility d) none of these

Q.11 Clathrate means

- a) inclusion complex b) cyclodextrin c) physical mixture d) solution mixture

Q.12 (-) Ephedrine is active constituent of

- a) Vinka b) Tulsi c) Sarpagandha d) Mahuang

Q.13 Combination of circular dichroism and circular birefringence is known as

- a) cotton effect b) peroxide effect c) common ion effect d) buttressing effect

Q.14 10 nm is equal to

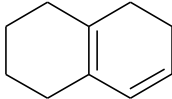
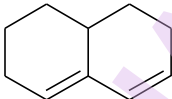
- a) $10^2 \text{ m}\mu$ b) $10 \text{ m}\mu$ c) $10^{-3} \text{ m}\mu$ d) $10^{-1} \text{ m}\mu$

Q.15 Biotin structure contains three stereogenic centre. Number of possible biotin stereoisomers

- a) 8 b) 9 c) 12 d) 10

Q.16 One of the following pair is correct

- a) gauche-skew b) trans-anti c) both a & b d) none of these

- Q.17** Conformation having the least energy is said to
a) most stable b) least stable c) intermediate stable d) cannot say
- Q.18** All amino acids in the body are
a) dextrorotatory b) levorotatory c) Racemic mixture d) optically inactive
- Q.19** Wolff-Kishner reduction involves
a) amalgamated zinc b) conc.HCl c) hydrazine d) all of the these
- Q.20** Whether or not a ketone is a methyl ketone is shown by
a) iodoform test b) Tollen's test c) Schiff's test d) none of these
- Q.21** Cyclohexane contains....axial &.....equatorial protons
a) 3,9 b) 9,3 c) 6,6 d) none of these
- Q.22** Optical activity was discovered by
a) Kekule b) Biot c) Pasteure d) Kolbe
- Q.23** PDA detectors are used in HPLC as detector. PDA means
a) Proton diode array b) Photo diode array c) Post degradation amplifier d) none
- Q.24** CHNS analyzer is used for
a) microscopy b) elemental analysis c) viscosity analysis d) none of these
- Q.25** Karl Fisher analyzer is used to determine
a) sedimentation rate b) particle size c) moisture d) humidity
- Q.26** The range of fingerprint region in IR radiation is
a) 4000- 3000 cm^{-1} b) 4000- 1400 cm^{-1} c) 1400- 900 cm^{-1} d) 3000- 300 cm^{-1}
- Q.27** One of the following is involved in UV spectroscopy
a) Electronic excitation b) rotational excitation c) vibrational excitation d) all of these
- Q.28** Addition of chromophore to compound causes
a) bathochromic shift b) hypsochromic shift c) both a & b d) none of these
- Q.29** PMR spectrum of 1,3-dichloropropane shows.....number of peaks
a) one b) two c) three d) four
- Q.30** one of the following structure is homoannular diene
a)  b)  c) both a & b d) none of these
- Q.31** One of the following is soft ionization technique used in mass spectrometry
a) Atmospheric pressure ionization b) Electrospray ionization c) both d) none
- Q.32** One of the following is destructive analysis
a) light scattering b) NMR c) Mass spectrometry d) HPLC
- Q.33** Nepheloturbidimetry is based on the principle of
a) light scattering b) light absorption c) light emission d) light diffraction
- Q.34** One of the following technique is used for separation of amphiprotic species such as amino acids is
a) capillary gel electrophoresis b) capillary isotachopheresis
c) capillary isoelectric focusing d) capillary zone electrophoresis
- Q.35** The thermal technique in which difference in heat flow into substance and reference are measured as function of sample temperature while two are subjected to controlled temperature programme is
a) DSC b) TGA c) DTA d) all of these
- Q.36** The solution containing 1 mole of substance per 1000 mg of solvent is called
a) molarity b) formality c) molality d) normality

- Q.37** Which of following is used as primary standard?
a) NaOH b) KHP c) HCl d) H₂SO₄
- Q.38** According totheory, acid is any substance that ionizes in water to give H⁺
a) Arrhenius b) Lewis c) Lowry-Bronsted d) none of these
- Q.39** The graph obtained in case of Polarography is
a) current v/s potential b) current v/s volume c) current v/s time d) potential v/s volume
- Q.40** Retention factor of solute for better separation is in the range of
a) 2-10 b) 10-20 c) 20-30 d) 30-40
- Q.41** Partition coefficient may be changed by
a) Changing temperature b) changing phase ratio c) adding salt d) all of these
- Q.42** Fick's law explains
a) Diffusion b) dissolution c) distribution d) filtration
- Q.43** Flow properties of powders are affected by
a) humidity of area b) shapes of particles c) constituents of powder d) all of these
- Q.44** Solids are sterilized by
a) dry sterilization b) moist sterilization c) gas sterilization d) radiation
- Q.45** One of the following solvent is hydrophobic
a) Glycerine b) Ethanol c) Dichloromethane d) none of these
- Q.46** One of the following is aprotic solvent
a) Dimethylsulfoxide (DMSO) b) Dimethyl formamide
c) Hexamethylphosphorotriamide (HMPT) d) none of these
- Q.47** Sodium stearate is used as
a) disintegrant b) lubricant c) glidant d) binder
- Q.48** Silica gel is used in pharmaceutical packaging as
a) sealer b) desiccant c) sticker d) none of these
- Q.49** Wurster's process means
a) Coarsening b) Pan coating c) Air suspension d) solvent evaporation
- Q.50** Bloom strength of gelatin is normally
a) 50 gm b) 200 gm c) 300 mg d) 400 mg
- Q.51** Particle size determination of Aerosol is performed by
a) Cascade Impactor b) Gas chromatography c) Anderson pipette d) pycnometer
- Q.52** Which one of the following surfactant is amphoteric in nature
a) Benzalkonium chloride b) Lecithin c) Polyoxy ether d) SLS
- Q.53** The relative humidity in the operating area of capsule manufacturing is normally
a) 60 % b) 50 % c) 40 % d) 20 %
- Q.54** Millard reaction occurs between
a) Hydrated lactose & amine b) Anhydrous lactose & amine c) Starch & amine d) all
- Q.55** The phenomenon of increasing the solubility of various substances in water due to presence of large amount of additives is called
a) Solubilization b) Hydrotrophy c) Cosolvency d) Complexation
- Q.56** Complete separation of tablet into two or more layers is called as
a) Capping b) Lamination c) Picking d) Mottling
- Q.57** Spans are
a) Polyoxyethylene ether of fatty acid ester b) Sorbitol ester of fatty acid
c) Combination of polyoxyethylene & polyoxypropylene d) High mol.wt. polyethylene glycol
- Q.58** Dilatometric curve is plot of

- a) Weight v/s temperature b) Specific volume v/s temperature
c) volume v/s temperature d) density v/s temperature
- Q.59 Which product is approved for treatment of schizophrenia by US-FDA in 2009?
a) Zyprexa Relprevv. b) Kalbitor c) Wilate d) none of these
- Q.60 The product Kalbitor is approved for treatment of Hereditary Angioedema by US-FDA in 2009. It contains the drug
a) olanzapine b) Clozapine c) Ecallyanide. d) Aripiprazole
- Q.61 For treatment of Von Willebrand's disease, which drug is approved by US-FDA in 2009.
a) Tris b) Pyrex c) Tramadol d) Wilate
- Q.62 Vaughan William classification system classify drug used in
a) Parkinsonism b) Arrhythmia c) Huntington's disease d) none of these
- Q.63 G-proteins are
a) Tetrameric b) Bimeric c) Trimeric d) Pentameric
- Q.64 One of the following lipoprotein increases in type IV hyperlipidemia
a) LDL b) HDL c) VLDL d) Chylomicron
- Q.65measure the absorption & urinary excretion of radiolabelled Vitamin B₁₂
a) Carr test b) Schilling test c) Icterus test d) none of these
- Q.66 Which of the following antiviral drug used as antiparkinsonian agent?
a) Zidovudine b) Amantadine c) Foscarnet d) Acyclovir
- Q.67 Selective MAO-B inhibitor is
a) Clorgyline b) Moclobemide c) Tranlycypromine d) Selegiline
- Q.68 Phosphodiesterase inhibitor used as antiplatelet is
a) Amrinone b) Dipyridamol c) Ticlopidine d) Aspirin
- Q.69 Which of the following drug is not given by sublingual route?
a) Methyltestosterone b) Isoprenaline c) Clonidine d) Aminophylline
- Q.70 Rate limiting enzyme in the catecholamines synthesis is
a) DOPA decarboxylase b) N-methyl transferase
c) Dopamine β-hydroxylase d) Tyrosine hydroxylase
- Q.71 Which of the following drug has the shortest half life?
a) Pindolol b) Esmolol c) Timolol d) Nadolol
- Q.72 Histamine is not absorbed orally because.....
a) it is acid labile b) it is not absorbed through GIT c) it polymerizes in basic environment d) liver degrades it after absorption
- Q.73 One of the following is not a action of Diflunisal
a) Antipyretic b) Anti-inflammatory c) Analgesic d) Antiplatelet
- Q.74 One of the following statement is false
a) Somatostatin inhibits release of insulin b) Insulin inhibits glucagon secretion
c) Glucagon evoke release of insulin d) Somatostatin increases release of glucagon
- Q.75is most prone to produce cardiac arrhythmias.
a) Isoflurane b) Halothane c) Enflurane d) NO₂
- Q.76 Selective 5-HT₄ agonist is
a) Renazapride b) Sumatriptan c) LSD d) Buspirone
- Q.77 Which of the following is not selective COX-2 inhibitor?
a) Meloxicam b) Celecoxib c) Rofecoxib d) Valdecoxib
- Q.78 Major side effect of Auranofin, a gold compound is
a) Diarrhea b) Flatulence c) Anemia d) Alopecia

- Q.79**is not mucolytic agent.
a) Pholcodein b) Carbocisteine c) Ambroxol d) Bromohexine
- Q.80** Immunosuppressants are prescribed in one of the following
a) Organ transplantation b) Cancer c) AIDS d) none of these
- Q.81** Streptozotocin is used to induce.....in rats
a) diabetes b) Alzheimer's disease c) pain d) depression
- Q.82** Andrographolide is present in
a) Kalmegh b) Piccorhiza c) Gentian d) Veratrum
- Q.83** Ashwagandha contains
a) withanolide b) conessine c) provetratrine d) all of these
- Q.84** Reverse transcriptase involves synthesis of
a) RNA from RNA b) DNA from RNA c) DNA from DNA d) RNA from DNA
- Q.85** The phenomenon of introduction of DNA into host bacteria is called
a) Transversion b) translocation c) Transformation d) Transduction
- Q.86** Measles vaccine is given after.....month of birth
a) 3 b) 6 c) 9 d) 12
- Q.87** Vector used in Recombinant DNA technology is
a) Plasmids b) Cosmid c) Bacteriophage d) all of these
- Q.88** *Borrelia recurrentis* is causative organism for
a) Plague b) Lyme disease c) Relapsing fever d) Dengue
- Q.89** Non-ionizing radiation used for sterilization is
a) UV-rays b) X-rays c) γ -rays d) Cosmic rays
- Q.90** Identification of specific RNA is done by
a) Southern blotting b) Northern blotting c) Western blotting d) All of these
- Q.91** Deposition of enzyme on the carrier by applying electric current is called as
a) Electrophoresis b) Electroporation c) Electrodeposition d) Electrotransformation
- Q.92** Polyacrylamide gel is used as material in which technique of immobilization?
a) Covalent binding b) Adsorption c) Entrapment d) Complexation
- Q.93** Radioallergosorbent test is related to.....antibody
a) Ig E b) Ig M c) Ig A d) Ig D
- Q.94** *Pseudomonas dentrificans* is source of
a) Riboflavin b) Vitamin B₁₂ c) Ascorbic acid d) Amino acid
- Q.95** In the fermentation process, animal or vegetable lipids are used as
a) Antifoaming agent b) Inhibitor of unwanted metabolic process in lack of O₂
c) Source of Carbon d) pH measurement
- Q.96** Bohr's effect is related to
a) Lipids b) Plasma proteins c) Hemoglobin d) Vitamins
- Q.97** Which vitamin is known as hormone
a) Vitamin D b) Vitamin A c) Vitamin C d) Vitamin E
- Q.98** In nucleotide replacement, the phenomenon in which purine is replaced by pyrimidine & vice versa
a) Transversion b) Translation c) Rearrangement d) Exchange
- Q.99** Rapid amplification of DNA segment is called as
a) General recombination b) polymerase c) Gene expression d) blotting technique
- Q.100** In cell culture, the phase in which cells die is
a) Lag phase b) Experimental phase c) Linear phase d) Senescent phase

- Q.101** Ictres index is used to determine
a) Serum bilirubin b) Urine albumin c) Serum albumin d) Urine bilirubin
- Q.102** Carboxyheamoglobin is formed by binding of heamoglobin with
a) CO b) CO₂ c) CHO d) COOH
- Q.103** ETC is located at
a) Inner mitochondrial membrane b) Outer mitochondrial membrane
c) Intermembranous space d) Mitochondrial matrix
- Q.104** Removal of carbon atom from lipid is occurs in
a) β -oxidation b) α -oxidation c) ω -oxidation d) all of these
- Q.105** In tissue cell culture, surface sterilization of explant is done by
a) Distilled water b) Methanol c) Sodium hypochloride d) Propiolactone
- Q.106** Ornithine amino acid is never find in protein structure due to
a) inability to form peptide bond b) Lack of zwitterions formation
c) lack of codon d) structural dissimilarity
- Q.107** Lesch-Nyhan syndrome is due to deficiency of
a) Hypoxanthine-guanine phosphoribosyltransferase b) Formyltransferase
c) Adenine-phosphoribosyltransferase d) Cyclohydrolase
- Q.108** One of the phospholipids possesses antigenic properties
a) Lecithin b) Cephaline c) Cardiolipin d) Plasminogens
- Q.109** Catalytic activity of enzyme is lost by
a) extreme pH b) extreme temperature c) denaturing agent d) all of these
- Q.110** Three dimensional structure of a protein & the relative stereochemical position of atom is determined by
a) X-ray crystallography b) IR spectroscopy c) ESR d) All of these
- Q.111** Aldolase enzyme belongs to class
a) transferase b) lyase c) ligase d) hydrolase
- Q.112** In uncompetitive inhibition, inhibitors mainly binds to
a) Enzyme b) Substrate c) Enzyme & enzyme-substrate complex
d) Enzyme-substrate complex
- Q.113** 1 IU of enzyme is equal to
a) 40 μ katal b) 50 μ katal c) 60 μ katal d) 70 μ katal
- Q.114** surgical cottons consistof seeds of Gossypium species.
a) Trichomes b) Rhizomes c) Juice d) Exudation
- Q.115** One of the following is soluble in alcohol
a) Asafoetida b) Acasia c) Gelatin d) Aloe
- Q.116** Frothing on shaking of powder with water indicates presence of
a) Tannin b) Saponin c) Carbohydrate d) none of these
- Q.117** Colour of ergot is
a) White b) Dark-brown c) Yellow d) Green
- Q.118**colour is observed in murexide test for.....alkaloids
a) Yellow, Indole b) Blue, Imidazole c) Purple, Purine d) Green, Pyrrole
- Q.119** Shinoda test is used for
a) Tannoids b) Proteins c) Flavonoids d) Fats
- Q.120** Bioactive product presented dietary supplements are called
a) Drugs b) Nutraceuticals c) Cosmeceuticals d) None of these
- Q.121** Disulphide bonds occur in insulin molecule. These bonds are formed between

- a) Cysteine-cysteine b) Tryptophane-cysteine c) Alanine-cysteine d) None of these
- Q.122 One of the following gum have antidiabetic activity.
a) Gum tragant b) Guar gam c) Gum acacia d) All of these
- Q.123 Artemisin is
a) Antiviral b) Antimalarial c) Anticancer d) Anthelmintic
- Q.124 Ionization of the drug at given pH is determined by
a) Lewis rule b) Handerson-Hasselbalch equation c) Boyel's law d) none
- Q.125 GABA is.....neurotransmitter.
a) excitatory b) inhibitory c) couple protein d) none of these
- Q.126 Amended Indian Patent Act 1970 is effective from
a) 2005 b) 2006 c) 2007 d) 2008
- Q.127 Fluid mosaic model is used to explain
a) cell membrane b) phopholipid c) receptor concept d) none of these
- Q.128 Centrifugal force is given by one of the following formula
a) mv^2/r b) m^2v^2/rg c) mv^2/r d) none of these
- Q.129 Correlation coefficient 1 indicates that two variables are
a) complementry linear b) Non linear c) moderately linear d) can not say
- Q.130 Dicytic stomata are found in
a) vasaka b) senna c) digitalis d) vinica
- Q.131 Protein synthesis starts by
a) intronic part of DNA b) exotic part of DNA c) mRNA d) none of these
- Q.132 Tryptophan is coded by
a) F b) W c) Y d) N
- Q.133 All of the following are stop codon except
a) UGA b) UGC c) UAG d) AUG
- Q.134 Chloroquine is drug of choice for
a) resistant falciparum b) relapsing P.vivex c) resistant P. vivex d) none of these
- Q.135 Cardiac Ca^{++} channels are
a) voltage gated b) ligand gated c) both a & b d) none of these
- Q.136 Which isomer of mevalonic acid is responsible for synthesis of isoprene
a) R b) S c) both a & b d) none of these
- Q.137 All of the following are antioxidant except
a) vitamin C b) green tea extract c) oleanolic extract d) turmeric oil
- Q.138 The carrier which transport acyl CoA in to mitochondria in β -oxidation is
a) ornithine b) carnitine c) lecithin d) none of these
- Q.139 All of the following are enzyme except
a) hexokinase b) Catalase c) Urease d) Co-enzyme A
- Q.140 Ginkgolides are
a) diterpenes b) sesquiterpenes c) triterpenes d) tetraterpenes
- Q.141 Dragons blood is
a) *C. draconoides* b) *U.dioica* c) *P. africanum* d) none of these
- Q.142 In vegetative propagation, the part of squill used is
a) bulb b) rhizomes c) stolon d) tuber
- Q.143 Plant hormone auxins are derived from
a) tryptophane b) phenylalanine c) ornithine d) praline
- Q.144 All of the following are used as mutagens except

- a) β -particles b) α -particles c) γ -particles d) IR rays
- Q.145** Khellin is mainly used as
a) Anticancer b) Antihistaminic c) Cough suppressant d) Muscle relaxant
- Q.146** Supercritical fluid exhibit properties intermediate between
a) gas & solid b) gas & liquid c) solid & liquid d) all of these
- Q.147** Senna is mainly cultivate in
a) Andra Pradesh b) Tamilnadu c) Kerela d) Assam
- Q.148** In rhubarb, Anthraquinone glycoside without any carboxyl group is
a) rhein b) emodin c) chryphanol d) all of these
- Q.149** Wood foxglove leaf is synonym of
a) *D.lanata* b) *D.lutea* c) *D.thapsi* d) *D.purpurea*
- Q.150** Scilaren A on acid hydrolysis yields
a) Proscillaridin A b) Scillaridin A c) Scillaridin B d) Proscillaridin B
- Q.151** Indian senega is root of
a) *P.senega* b) *P.chinensis* c) *P.alba* d) none of these
- Q.152** One of the following is optically inactive alkaloid
a) Codeine b) Papaverine c) Morphine d) none of these
- Q.153** Sedative nature of bitter almond is mainly due to presence of
a) benzaldehyde b) hydrocyanic acid c) amygdalin d) fixed oil
- Q.154** Vitamin P is
a) Silymarin b) Ginkoetin c) hesperidine d) visnagin
- Q.155** Rubber arein nature
a) Triterpenes b) Tetraterpenes c) Pentaterepenes d) Polyterpenes
- Q.156** Follwing is not the characteristic of fennel fruits
a) presence of anomocytic stomata b) presence of lignified reticulate parenchyma
c) trichomes and starch grains are present d) presence of prequaternary arrangement
- Q.157** Volatile oil content of cinnamon is
a) Not less than 1% b) Not less than 2% c) Not more than 1% d) Not more than 2%
- Q.158** Van-Urk's reagent is used for identification of
a) rauwolfia b) ergot c) nux Vomica d) Physostigmine
- Q.159** Physostigmine on hydrolysis yields red colour compound called
a) eserine b) rubeserine c) geneserine d) eseramine
- Q.160** one of the following is Phenanthrene alkaloid
a) narcotine b) Papaverine c) morphine d) noscapine
- Q.161** Cocaine on hydrolysis gives
a) cinnamic acid b) benzoic acid c) alph truxillic acid d) none of these
- Q.162** False cuprea bark does not contain
a) Cusconidine b) Cinchonidine c) Cinchonamine d) Quinine
- Q.163** Colchicum belonging to family
a) apocynaceae b) Liliaceae c) leguminoceae d) rubiaceae
- Q.164** One of the following is steroidal alkaloid
a) kurchi b) cocoa c) rauwofia d) colchicine
- Q.165** Indian saffron is known as
a) Turmeric b) Crocus c) Asafoetida d) Ginger
- Q.166** Mode of action of taxol
a) increases the polymerization of microtubules in absence of MAP & GTP

- b) increases the polymerization of microtubules in presence of MAP & GTP
c) inhibits the polymerization of microtubules in absence of MAP & GTP
d) inhibits the polymerization of microtubules in presence of MAP & GTP
- Q.167 Which is biggest cotton producing country in the world?
a) India b) China c) Pakistan d) Shrilanka
- Q.168 Which form of cyclodextrin is more soluble?
a) alpha b) beta c) gamma d) delta
- Q.169 The amino acid alanine in our body has.....configuration.
a) R b) S c) both a & b d) none of these
- Q.170 Which of the following caused increased synthesis and secretion of aldosterone by the adrenal cortex?
a) Renin b) Angiotensin I c) Angiotensin II d) Kallikrein
- Q.171 Which amongst the following is calcium channel blocker?
a) Verapamil b) Captopril c) Guanethedine d) Losartan
- Q.172 Glutathione is
a) Tripeptide b) Detoxifying agent c) a and b d) none of these
- Q.173 Which of the following is not orphan drug?
a) Digitoxin antibody b) Protamine sulphate c) Liothyronine d) Paracetamol
- Q.174 Phenytoin is used as
a) Antihypertensive b) Antianginal c) Antiarrhythmic d) all of these
- Q.175 Propranolol is contraindicated in
a) Hyperglycemia b) Asthma c) Peptic ulcer d) none of these
- Q.176 Which one of the following undergoes first pass metabolism?
a) Propranolol b) Digitalis c) Aspirin d) none of these
- Q.177 Calculate the percentage yield, if theoretical and practical yields are 5 gm & 4.2 gm
Respectively
a) 84 % b) 86 % c) 90 % d) 92 %
- Q.178 IPECA is related with
a) Excipients b) Carbohydrates c) Proteins d) Extraction
- Q.179 API means
a) American Proteins Institute b) Active Pharmaceutical Ingredients
c) Acid Process Impurities d) None of these
- Q.180 Approval for drug products by US-FDA is required for
a) labeling revision b) new drugs c) formulation revision d) all of these
- Q.181 Pharmaexcil works for
a) upgrading pharmaeducation in India b) Betterment of Indian retail pharma industry
c) Betterment of Indian retail pharma in exports d) Indian hospital pharmacy
- Q.182 Gates foundation donated to Glaxo for research in malarial treatments. Malaria is major death causing disease in
a) Africa b) USA c) France d) Austrelia
- Q.183 One of the following firm does not have remarkable share in international market of pharmaceutical excipients
a) BASF b) Teva c) Degussa d) Colorcon e) Dow
- Q.184 Synonym of word mesmeric is
a) hypnotic b) similar c) creative d) none of these
- Q.185 Ambuja Cement is brand of

- a) Tata b) Mittal c) Birla d) L & T
- Q.186** Lipitor is brand name of atorvastatin; is best selling drug product by
a) Eli Lilly b) Pfizer c) Glaxo d) Sanofi
- Q.187** In Mass spectroscopy molecular weight is determined by
a) Parent peak b) Intense peak c) First peak d) Last peak
- Q.188** Serological test for syphilis is.....
a) Dukry test b) Kann test c) Elek test d) Rose water test
- Q.189** One of the following is carbonic anhydrase inhibitor
a) Ethacrynic acid b) Thiazide c) Acetazolamide d) Furosemide
- Q.190** Phenolphthalein is.....type of indicator
a) acid base b) oxidoreductase c) universal d) nonaqueous
- Q.191** Find the missing number 10, 67, 130, 223, ?
a) 352 b) 357 c) 348 d) 373
- Q.192** There are 13 students in the class. They decided to introduce themselves by handshaking. So how many handshaking are possible between them?
a) 169 b) 156 c) 78 d) 76
- Q.193** Antonyms of "IMPIETY"
a) just mesh b) dispassionate c) profitable counsent d) reverent sentiments
- Q.194** 10000, 11000, 9900, 10890, 9801, ?
a) 10241 b) 10423 c) 10781 d) 10929
- Q.195** If the diameter of circle is 12 cm, find the area of circle
a) 110 cm² b) 113 cm² c) 120 cm² d) 125 cm²
- Q.196** If $x + 2y = 6$ & $x + 3y = 10$ then find x and y
a) 4 & 2 b) -2 & 4 c) 1 & 3 d) 3 & 1
- Q.197** $\tan \theta =$
a) $\sin \theta / \cos \theta$ b) $\cos \theta / \sin \theta$ c) $1 / \cos \theta$ d) $1 / \sin \theta$
- Q.198** All of the following are synthetic suspending agent except
a) Carbomer b) Polyvinyl alcohol c) Povidone d) Methyl cellulose
- Q.199** HLB range of o/w emulsifier is
a) 1 – 3 b) 4 – 6 c) 7 – 9 d) 8 – 16
- Q.200** Alpha-Glucosidase inhibitor used as oral hypoglycemic agent:
a) Troglitazone b) Acarbose c) Guar gum d) Glucomannam

Answer Key (NIPER JEE-Model Paper-I)

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

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