

# ROSE PHARMACY CLASSES

## (NIPER JEE-10) Model Test Paper-VI

Max. Marks:100  
Time: 2 Hours

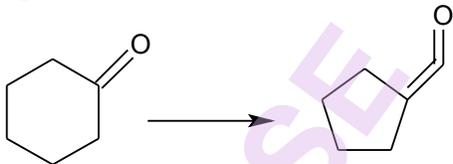
Paper Code-101 C Total Questions: 200  
25 % negative marking for each wrong answer

**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** Another name of penicillin acylase is  
a) Penicillin amygdase    b)  $\beta$ - lactamase    c) Penicillase    d) none of these
- Q.2** Biological half life of first order kinetics is expressed as  
a)  $0.693/k$     b)  $a/2k$     c)  $k/0.693$     d)  $kv$
- Q.3** Red color of blood is due to  
a) heme    b) heme + methyl    c) heme + ethyl    d) none of these
- Q.4** Disulfide bond is due to oxidation of  
a) cysteine    b) lysine    c) cysteine    d) glycine
- Q.5** Water solubility of drug is due to  
a) -SH group    b) lipophilic group    c) -OH group    d) None of these
- Q.6** Receptor acts in milliseconds (fastest)  
a) Adrenergic    b) Histaminic    c) Nicotinic cholinergic    d) All of these
- Q.7** Disintegrant is not used in  
a) Buccal    b) Sublingual    c) Coated tablet    d) none of these
- Q.8** One of the following is not a film defect  
a) Picking & sticking    b) Hazing    c) Orange peel    d) friability
- Q.9** Which is not mentioned in USP?  
a) Weight uniformity    b) Friability    c) dissolution    d) disintegration
- Q.10** Lanolin in ointment Base  
a) Hydrocarbon    b) Adsorption base    c) Water removable    d) none of these
- Q.11** Anticodon of codon CGU  
a) UHG    b) UGC    c) HGF    d) GGF
- Q.12** Optical activity of the compound except  
a) Plane of symmetry    b) Axis of symmetry    c) centre of symmetry    d) None of these
- Q.13** Tetrahedral structure of carbon is given by  
a) Kekule    b) Von Hoff and Lebel    c) Erwin and Pasture    d) Charls and Boyal
- Q.14** Absolute purity is determined by  
a) GC-MS    b) NMR    c) IR    d) all of these
- Q.15** Impurity detection method is  
a) GC-MS    b) Optical densitometer    c) mass    d) none of these
- Q.16** Hansen paddle is used for  
a) liquid    b) Semisolid    c) Solid    d) none of these
- Q.17** Trimethylsilane having following characters except  
a) inert, volatile    b) one single sharp peak    c) low magnetic field than other compound    d) none of these
- Q.18** Paddle is used in  
a) USP I apparatus    b) USP II apparatus    c) both a & b    d) none of these

- Q.19** Most intense peak in Mass spectra is known as  
a) Bottom peak      b) Top peak      c) acid peak      d) Base peak
- Q.20** Residual peak of  $\text{CDCl}_3$  is  
a) 3.3      b) 1.3      c) 0.5      d) 2.3
- Q.21** Polysorbate 80 is  
a) Nonionic      b) Ionic      c) Cationic      d) Anionic
- Q.22** Macro gel is  
a) Nonionic      b) Ionic      c) Cationic      d) Anionic
- Q.23** FT- NMR used in  
a) Change in frequency to time data      b) Change in time to frequency data      c) both a & b  
d) none of these
- Q.24** pH at which both negative and positive charge will be equal is  
a) Dielectric pH      b) Isoelectric pH      c) both a & b      d) none of these
- Q.25** At this pH molecule is  
a) Mobile      b) Immobile      c) Dynamic      d) none of these
- Q.26** Paclitaxel is  
a) Antiviral drug      b) Anti-AIDS      c) Antiprotozoal      d) Anti-cancer drug
- Q.27** Botanical name of Neem  
a) Cassia Indica      b) Azataradica Indica      c) Euginea Cariophyllus      d) none of these
- Q.28** Troponine protein  
a) Contractile      b) Relaxant      c) Both a & b      d) none of these
- Q.29** Propyl galleate used as  
a) Antioxidant      b) Preservative      c) diluent      d) glidant
- Q.30** What is business?  
a) Selling or buying of goods      b) Production of goods      c) Store of goods      d) none of these
- Q.31** Synonym of Lethal  
a) Alive      b) Ailment      c) Disease      d) Deadly
- Q.32** Synonym of differentiate  
a) Similar      b) Antagonist      c) Distinguish      d) Paragonism
- Q.33** Antonym of challenge  
a) Falour      b) Admire      c) Precise      d) Accept
- Q.34** Synonym of virtue  
a) Weakness      b) Strong      c) Truly      d) False
- Q.35** Minimum buffer at pH = 5  
a) Sulphate      b) Phosphate      c) Acetate      d) Borate
- Q.36** Enzyme constant is related to  
a) Michale Menten      b) Brukefold      c) Huntingon      d) none of these
- Q.37** III<sup>rd</sup> generation cephalosporin's  
a) Cephixime      b) Cephoxitine      c) Cefaclor      d) all of these
- Q.38** Cloxacillin is related to  
a) Nafcillin      b) Ticarcillin      c) Becampicillin      d) Amoxillin
- Q.39** One of the following is colligative property  
a)  $pK_a$       b) pH      c) Osmotic coefficient      d) solubility
- Q.40**  $pK_a$  value of phosphoric acid  
a) one      b) two      c) three      d) none of these
- Q.41** Which one of the following drug inhibits transpeptidase and carboxypeptidase

- a) Cephalosporin      b) Streptomycin      c) Tetracycline      d) Bacitracin
- Q.42** DNA gyrase inhibitor is  
 a) Cephalosporin      b) Streptomycin      c) Tetracycline      d) Floroquinoline
- Q.43** Which one of the following drug is used in treatment of diarrhea  
 a) Erythromycin      b) Cisapride      c) Domperidone      d) Loperamide
- Q.44** Benzoyl peroxide is used in  
 a) Psoriasis      b) Dermatitis      c) Acne      d) none of these
- Q.45**  $\alpha$ -pinene is  
 a) Acyclic      b) Monocyclic      c) Bicyclic      d) Sesquio
- Q.46**  $\text{Ph C}\equiv\text{C Ph} \rightarrow \text{H-Ph C}=\text{C Ph -H}$  (Trans)  
 a)  $\text{Li/NH}_3$       b)  $\text{BH}_3$       c)  $\text{Pd/H}_2$       d)  $\text{LiAlH}_4$
- Q.47** 10 to 30 part of solvent used, compound will be  
 a) Soluble      b) Springly soluble      c) Slightly soluble      d) Freely soluble
- Q.48** Which one method is not related to flow property?  
 a) Color      b) Density      c) Flavor      d) None of these
- Q.49** What is crystal habit?  
 a) Different shape      b) Same size with different shape      c) Different size      d) none of these
- Q.50** X-ray diffraction is used  
 a) Protein structure      b) Protein activity      c) Protein folding      d) Protein sequencing
- Q.51** Which one of the following is capsule plasticizer?  
 a) Talc      b) Glucose      c) Fructose      d) Sorbitol
- Q.52** India present in Which Zone? According to stability  
 a) I Zone      b) II Zone      c) III Zone      d) IV Zone
- Q.53** Particle size reduction method in camphor is  
 a) Pulverization      b) Trituration      c) Levigation      d) Geometric dilution
- Q.54** If  $^1\text{H}$  NMR instrument is operated at frequency of 300 Hz. What will be frequency if CMR is used  
 a) 300 Hz      b) 100 Hz      c) 75 Hz      d) none of these
- Q.55** International unit of penicillin is  
 a) 0.0025      b) 0.0075      c) 0.057      d) 0.067
- Q.56** One person starts from point A goes 25 meter straight then turns to right and walks 2 meter then again turns right and goes 25 meter. What is the distance of person from A?  
 a) 1 meter      b) 2 meter      c) 3 meter      d) 4 meter
- Q.57** what is the name of reaction?



- a) Bayer-Villegier      b) Beckman      c) Kolbe      d) Perkin
- Q.58** Particle size of parenteral emulsion should not be more than  
 a)  $5 \mu\text{m}$       b)  $10 \mu\text{m}$       c)  $15 \mu\text{m}$       d)  $2 \mu\text{m}$
- Q.59** An antithyroid drug which have similar action of propyl thiouracil  
 a) Methimazole      b) Iodine      c) Thyroxin      d) none of these
- Q.60** magnesium stearate is used as  
 a) Glidant      b) Lubricant      c) Diluent      d) Disinterant

- Q.61** Vidarbine is used against  
a) Herpes simplex      b) HIV      c) Encephalitis      d) Rubella
- Q.62** Bank account is  
a) Nominal account      b) Personal account      c) Both a & b      d) none of these
- Q.63** Serotonin is prepared by (biosynthesis)  
a) Tryptophan      b) Histamine      c) Tyrosine      d) Phenylalanine
- Q.64** Which one of the following method does not increase solubility?  
a) Hydrotropy      b) Increase particle size      c) Cosolvancy      d) all of these
- Q.65** Lyophilization is  
a) removal of water by sublimation      b) Evaporization      c) Drying      d) Condensation
- Q.66** Which one of the following is not a suspending agent?  
a) Methyl cellulose      b) Tragacanth      c) Talc      d) Acacia
- Q.67** How many tablets are used in tablet weight variation test?  
a) 10      b) 15      c) 20      d) 25
- Q.68** Which one is not a manufacturing industry?  
a) Iron and Steel      b) Mining      c) Floor      d) Ram Chandra Plot
- Q.69** Electrophoretic mobility is the ratio of  
a) V/E      b) E/V      c) both a & b      d) none of these
- Q.70** Enteric coating material is  
a) Povidone      b) Starch      c) Lactose      d) Cellulose acetate phthalate
- Q.71** In the fermentation process if low substrate concentration is used  
a) Decrease log phase duration      b) Increase log phase duration      c) both a & b      d) none of these
- Q.72** The antibiotic which act as disulfuram like action  
a) Metronidazole      b) Cephalosporin      c) Streptomycin      d) Tetracycline
- Q.73** Which one is bulk property detector in HPLC?  
a) Refractive index      b) UV      c) Fluorescence      d) Flame ionization
- Q.74** Unit of chemical shift is  
a) Volt      b) Ampere      c) ppm      d) ohm
- Q.75** A reaction by which predominantly one type stereoisomer is form  
a) Regiospecific      b) Stereo selective      c) Sterospecific      d) none of these
- Q.76** Karl Fisher method is used to detect  
a) Oil content      b) Moisture content      c) electrolyte content      d) lipid content
- Q.77** Colloidal mill is used for  
a) Emulsion      b) solution      c) Suspension      d) Injection
- Q.78** Endothelin is  
a) Glycoprotein      b) Lipoprotein      c) Phospholipids      d) none of these
- Q.79** Number of enzyme is in glycolysis  
a) 9      b) 10      c) 11      d) 12
- Q.80** Which one of the following preparation do not contain alcohol  
a) Syrup USP      b) Elixir      c) Lotion      d) Liniment
- Q.81** Transcription process occurs in  
a) Mitochondria      b) Cytoplasm      c) Nucleus      d) Cell
- Q.82** Cyanobacteria is  
a) Photosynthetic      b) blue green      c) both of a & b      d) none of these
- Q.83** According to Arrhenius equation the acid and base are  
a)  $H^+$  donor and  $OH^-$  donor      b)  $H^+$  donor and  $OH^-$  acceptor

- c)  $H^+$  acceptor and  $OH^-$  donor    d)  $H^+$  acceptor and  $OH^-$  acceptor
- Q.84** Noesy Whithy equation is used for  
a) Disintegration    b) Dissolution    c) Dilution    d) Dissociation
- Q.85** Acarbose is  
a) Reduces absorption of carbohydrate    b)  $\alpha$ -glycosidase inhibitor  
c) Pseudo tetrasaccharide    d) All of these
- Q.86** Cyclo addition reaction is  
a) Diels elder reaction    b) Grignard reaction    c) Reformatsky    d) Riemer Tiemman
- Q.87** Which one is false statement about Aldol condensation  
a) electrophilic addition    b) neuclophilic    c) acid catalyzed    d) base catalyzed
- Q.88** Stability studies of hydrates is carried out by  
a) DTA    b) DSC    c) TCA    d) none of these
- Q.89** Which method is useful for detection of hydrogen bonding .  
a) IR    b) NMR    c) UV    d) Mass
- Q.90** Number of hydrogen bond present in water  
a) 3    b) 4    c) 1    d) 2
- Q.91** Most polar solvent is  
a)  $H_2O$     b) acetone    c) benzene    d)  $CHCl_3$
- Q.92** The best solvent used in NMR  
a)  $CS_2$     b) hexane    c)  $CHCl_3$     d)  $CH_2Cl_2$
- Q.93** KBr is used in IR because  
a) It is cheap    b) It is light    c) It is transparent to IR    d) It is opaque to IR
- Q.94** Maximum energy obtained by  
a) Fat    b) Protein    c) Carbohydrate    d) Water
- Q.95** Excitatory neurotransmitter present in Dorsal Horn of spinal cord  
a) Epinephrine    b) Serotonin    c) N-methyl-D-Aspartate    d) Histamine
- Q.96** Intra articular injection is injected in  
a) Joints    b) Artery    c) Spinal cord    d) Intramuscular
- Q.97** Intra dermal injection is administered in  
a) Superficial skin    b) Mass of muscles    c) both a & b    d) None of these
- Q.98** Barrier which prevent the drug penetration  
a) Epidermis    b) Stratum cornum    c) Dermis    d) None of these
- Q.99**  $-CH(CH_3)_2$  multiplate of methyl group  
a) Singlet    b) Doublet    c) Triplet    d) Quartet
- Q.100** Western bonding and antibonding are used for detection of  
a) Antibody    b) Antigen    c) T-cells    d) B-cells
- Q.101** Aspartame is  
a) Methyl ester of aspartic acid + phenyl alanine    b) ethyl ester of aspartic acid + phenyl alanine    c) Methyl ester of aspartic acid + phenyl acetate    d) none of these
- Q.102** Primaquine is used in  
a) Resistance falciparum    b) Resistance vivex    c) relapsing cases of vivex  
d) Relapsing cases of falciparum
- Q.103** Haloperidol is differ from chlorpromazine  
a) Not have antipsychotic activity    b) Not causes extrapyrimidal side effects    c) not having phenothiazine ring    d) All of these
- Q.104**  $GABA_B$  agonist is

- a) Baclofen    b) Pergolide    c) Bicuculine    d) Benzodiazepine

**Q.105** What is antagonist?

- a) Affinity with intrinsic activity    b) Affinity without intrinsic activity    c) Only affinity    d) only intrinsic activity

**Q.106** What is agonist?

- a) Affinity with intrinsic activity    b) Affinity without intrinsic activity    c) Only affinity    d) only intrinsic activity

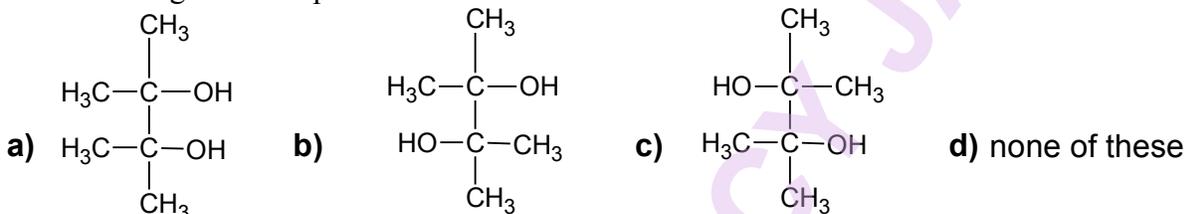
**Q.107** What is anomer?

- a) different form at C<sub>1</sub> due to mutarotation    b) different form at C<sub>2</sub> due to mutarotation    c) different form at C<sub>3</sub> due to mutarotation    d) none of these

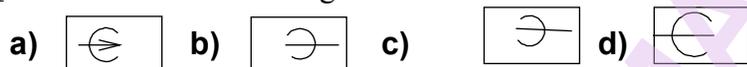
**Q.108** Enantiomers are

- a) not super imposable mirror images    b) super imposable mirror images    c) Super imposable not mirror images    d) none of these

**Q.109** RS configuration is present in



**Q.110** One of the following is differ



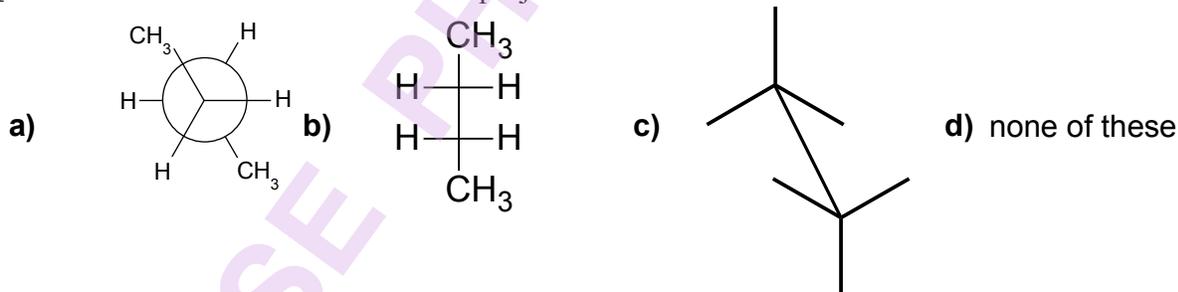
**Q.111** Bredt rule is

- a) Double bond is form away from bridge head    b) Double bond is form into head bridge    c) double bond is not present    d) All of these

**Q.112** Atropioisomerism is shown by

- a) substituted biphenyl system as hindered single bond rotation    b) Aliphatic ethers    c) aliphatic aldehyde    d) aliphatic acid

**Q.113** Which on of these is Saw horse projection?



**Q.114** What is range of near IR spectroscopy?

- a) 12500 – 4000 cm<sup>-1</sup>    b) 4000 – 200 cm<sup>-1</sup>    c) 200 – 10 cm<sup>-1</sup>    d) none of these

**Q.115** What is λ<sub>max</sub> for acetonitrile?

- a) 394 nm    b) 290 nm    c) 100 nm    d) 10 nm

**Q.116** Chlorine atom mass spectrum peak

- a) M<sup>+</sup>, M<sup>+2</sup>, M<sup>+4</sup>    b) M<sup>+</sup>, M<sup>+2</sup>    c) M<sup>1+</sup>, M<sup>3+</sup>    d) M<sup>+2</sup>, M<sup>+4</sup>

**Q.117** Aromatic Carbon range in CMR

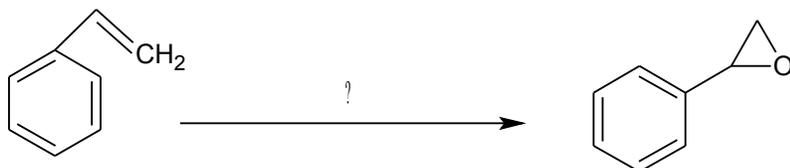
- a) 9-12    b) 10-16    c) 12-16    d) 4-8

Q.118 Which one of the following characteristics of  $SN^2$  reaction  
 a) free radical formation      b) Carbocation Formation      c) First order kinetic  
 d) Inversion of configuration

Q.119 Euginol  $\rightarrow$  Isoeuginol is

a) Strong acid      b) weak acid      c) strong base      d) weak base

Q.120 What will be Bayer Villegger reagent



a) Ozone      b) Peroxy acid      c)  $KMnO_4$       d) none of these

Q.121 Which one enzyme is responsible for attachment of nucleotide?

a) DNA polymerase      b) Ligase      c) RNA polymerase      d) Endonuclease

Q.122 Which one enzyme is responsible for cutting of DNA Fragments?

a) DNA polymerase      b) Ligase      c) RNA polymerase      d) Restriction Endonuclease

Q.123 COX-2 inhibitors is

a) Indomethacin      b) Sulindac      c) Nimusilide      d) Aspirin

Q.124 H antigen that is present in all blood group is

a) D-glucose      b)  $\alpha$ -glucosidase      c)  $\alpha$ -D- glucose      d) none of these

Q.125 Omeperazole is

a)  $H_1$ -antagonist      b)  $K^+/H^+$  ATPase inhibitor      c) Anti-tussive      d) analgesic

Q.126 What is mechanism of action of Digitalis

a) anti-emetic      b) analgesic      c) increase force of contraction      d) (-)-ive ionotropic effect

Q.127 Which one drug have similar action of Sotalol

a) Amiodarone      b) Propranolol      c) Ticlopidine      d) none of these

Q.128 Circular Dichroism is used for determination of

a) structure of proteins      b) for hydrogen bonding      c) for dielectric constant      d) none of these

Q.129 More than one drug dissolved in homogenous system is called

a) True solution      b) Emulsion      c) Suspension      d) Colloid

Q.130 Which one parameter is not used in calculation of child dose

a) Height      b) Age      c) hepatic dysfunction      d) weight

Q.131 What is formula for angle of repose

a)  $\cot \alpha = H/R$       b)  $\sin \alpha = F/R$       c)  $\cos \alpha = H/R$       d)  $\tan \alpha = H/R$

Q.132 Aerodynamic testing is used for stability of

a) Nasal aerosol      b) nasal spray      c) oral spray      d) oral aerosol

Q.133 Which one of waste product can be classified as amino acid

a) Gelatine      b) Creatinine      c) Hippuric acid      d) None of these

Q.134 Translation machine utilize

a) L-amino acid      b) D-amino acid      c) Protein      d) Carbohydrate

Q.135 Aliskiren is a

a) Bradykinin inhibitor      b) Cortisone inhibitor      c) Rennin inhibitor      d) None

Q.136 Penicillin amidase enzyme converts penicillin into 6-APA in

a) alkaline conditions      b) acidic conditions      c) both a & b      d) none of these

Q.137 Microdosing is directly given to patient without preclinical testing in which phase

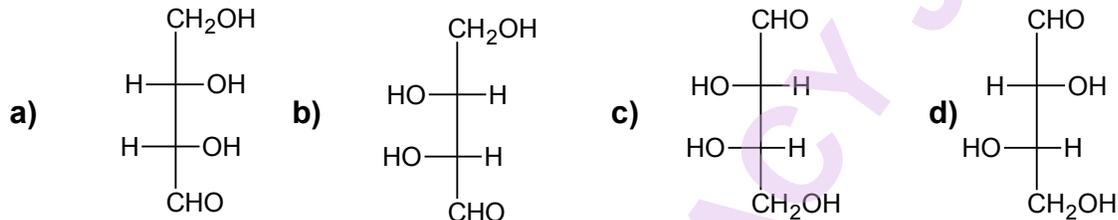
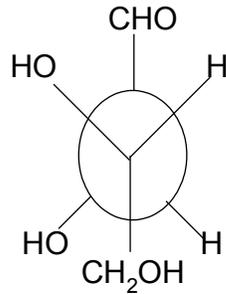
- a) 0 Phase                      b) I Phase                      c) II Phase                      d) III Phase
- Q.138** Industrial Toxicology Research Centre is located at  
 a) Kanpur                      b) Iggatnagar                      c) Allahbad                      d) Lucknow
- Q.139** Drug development process involve  
 a) Target identification and characterization                      b) Synthesis of lead molecule  
 c) Preclinical trials                      d) All of these
- Q.140** On an average any new drug molecule takes how many years to reach the patient  
 a) 4-6 years                      b) 8-10 years                      c) 12-15 years                      d) 16-20 years
- Q.141** one person starts from A and goes 6 km in north direction then he turns to right & walks 8 km to reach at B. Now the person is how far away from the starting point A.  
 a) 5 km                      b) 10 km                      c) 14 km                      d) 18 km
- Q.142** Which apparatus is used to determine muscle relaxant property of drug  
 a) Cup tail                      b) analgesiometer                      c) rotarod                      d) Organ bath
- Q.143** a condition that is characterized by loss of consciousness with rigidity of muscles that keeps limbs in fixed positions  
 a) Schizophrenia                      b) Parkinsonism                      c) sedation                      d) Catalepsy
- Q.144** negative logarithm of molar concentration of antagonist which will reduce effect of agonist to 50% to its maximum value is known as  
 a) pA<sub>2</sub> value                      b) pK<sub>a</sub> value                      c) pK<sub>b</sub> value                      d) pH value
- Q.145** SDS-PAGE is known as  
 a) Sodium di sulfide –Poly acryl amide gel electrophoresis                      b) Sodium dodecyl sulphonate –Poly acryl amide gel electrophoresis  
 c) Sulfur di sulphoxide Particle average grade electrophoresis                      d) None of these
- Q.146** the level of B amyloid and tou protein are increased in the brain in which disorder  
 a) Addison's disease                      b) Parkinson's disease                      c) Alzheimer's disease                      d) all of these
- Q.147** Ghost peak in chromatography generally occurs due to  
 a) septum leaching effect                      b) mobile phase                      c) gradient system                      d) Pump system
- Q.148** what is RT-PCR technique  
 a) for amplifying a define piece of RNA                      b) for amplifying a define piece of DNA  
 c) for amplifying a define piece of liposome                      d) none of these
- Q.149** Which test is applied when population varience must be known and sample size should be small(less then 30)  
 a) t-test                      b) z-test                      c) f-test                      d) y-test
- Q.150** One of the following determines the association between two or more variables and concerned with measuring the strength of relationship between variables  
 a) Regression                      b) Correlation                      c) Probability                      d) Variance
- Q.151** what is HAT?  
 a) Hetro Atom Transfer technique                      b) Hypoxanthine, aminopterin, and thymidine containing medium  
 c) Homo annular tetraenes                      d) hetero Aromatic tautomerism
- Q.152** the product patent was started in India  
 a) 2002                      b) 2003                      c) 2004                      d) 2005
- Q.153** The Phase-II metabolism takes place in  
 a) mitochondria                      b) endoplasmic reticulam                      c) rough endoplasmic reticulam                      d) cytosol
- Q.154** Nephelometry and turbidimetry is based on the principle of  
 a) light absorption                      b) light emission                      c) light scattering                      d) all of the above
- Q.155** What is IAEC?

- a) Asian Institutional expicient committee    b) Institutional animal ethics committee  
c) both    d) none of these

**Q.156** In free soluble what is solute solvent ratio?

- a) less than one    b) 1 to 10    c) 10 to 30    d) 30 to 100

**Q.157** What will be the fisher projection for given newman structure



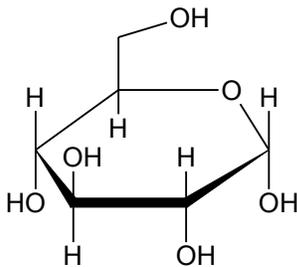
**Q.158** bulk property of Powder is determined by

- a) U. V.    b) R. I.    c) Fluorescence    d) none of these

**Q.159** GABA receptor is

- a) Inhibitory    b) stimulatory    c) mixed    d) complex

**Q.160**



above structure of  $\alpha$ -D-glucose represents

- a) Fisher projection    b) Saw-horse projection    c) Haworth projection  
d) Newman projection

**Q.161** Which one of the following antibodies is found in milk

- a) IgM    b) IgG    c) IgA    d) IgD

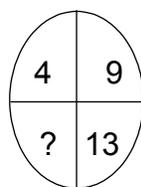
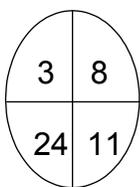
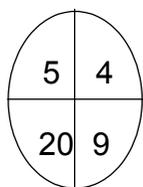
**Q.162** what is antonym of obstrude

- a) Obstinate    b) rigid    c) soft    d) Pardon

**Q.163.** dry solids are sterilized by

- a) Dry heat sterilization    b) moist heat sterilization    c) gas sterilization    d) filtration

**Q.164** fill in the blank according to series



a) 45

b) 33

c) 52

d) 36

**Q.165** flow properties of powder is measured by

a) Karl fisher index

b) angle of repose

c) refractive index

d) IR

**Q.166** Dypterix Odorata is biological source of

a) Buck wheat

b) Tonka bean

c) Ginko biloba

d) Sylimarin

**Q.167** Centrally and peripherally emesis is caused by

a)  $\text{CuSO}_4$ 

b) digitalis

c) apomorphine

d) Domperidone

**Q.168** fever is caused

a) proteins

b) lipid

c) carbohydrate

d) lipopolysaccharides

**Q.169** beside OAA (oxaloacetic acid) which is another product for TCA?

a) acetyl CoA

b) succinyl CoA

c) malonyl CoA

d) all of these

**Q.170** dichloro carbene is intermediate in which reaction

a) Kolbe

b) Fries

c) Haloform

d) Cannijaro

**Q.171** Carbocation is not formed in

a)  $\text{S}_{\text{N}}1$ b)  $\text{S}_{\text{N}}2$ c)  $\text{E}_1$ d)  $\text{E}_2$ 

Following reaction is known as



**Q.172**

a) Kolbe

b) Fries

c) Haloform

d) Cannijaro

**Q.173** in maltose two glucose units are linked as

a)  $1\alpha - 4\alpha$ b)  $1\alpha - 1\alpha$ c)  $1\alpha - 2\beta$ d)  $1\beta - 4\beta$ 

**Q.174** Inulin is polymer of

a) glucose

b) fructose

c) ribose

d) galactose

**Q.175** what is side effect of aluminum hydroxide gel antacid

a) constipation

b) diarrhea

c) hisuitism

d) alopecia

**Q.176** Which one is not used in Perkin reaction

a) benzaldehyde

b) acetic anhydride

c) cinnamic aldehyde

d) benzene

**Q.177** If BDFC is 3421 and GHRT is 6798 than of what will be code for RBHT

a) 9365

b) 9345

c) 9378

d) 3956

**Q.178** Ram and Shyam have some books. If Ram gives 3 books to Shyam than both has equal number of books but Shyam gives 3 books to Ram then number of book will be double to Ram as compare to Shyam then How many numbers of book have Ram and Shyam?

a) 6, 8

b) 8, 6

c) 15, 21

d) 21, 15

**Q.179** Who is president of India?

a) Abdul Kalam Azad

b) Bhairon Singh Sekhawat

c) Pritabha Patil

d) Ahmad Ansari

**Q.180** Which one state is largest producer of soyabin?

a) Gujarat

b) Punjab

c) M.P.

d) U.P.

- Q.181** When alcohol group is treated with aldehyde what will result in?  
a) Hemiacetal    b) Acetal    c) ester    d) ether
- Q.182** Which one is an immunosuppressive agent with efficacy in human organ Transplantation.  
a) cysteine    b) cyclosporine    c) levimasole    d) vancomycin
- Q.183** Michaelson Interferometer is used in  
a) IR    b) NMR    c) FT-IR    d) Mass
- Q.184** which one of the following drug prolong effective refractory period by prolonging action potential  
a) Profafenone    b) Quinidine    c) Phenytoin    d) Amiodarone
- Q.185** The nonselective  $\beta$ -adrenergic blocking agent that is also a competitive antagonist at  $\alpha_1$  adrenoceptor is  
a) Timolol    b) Nadolol    c) Pindolol    d) Labetalol
- Q.186** The reversible Cholineestrase inhibitor indicated in the treatment of Alzheimer's disease  
a) Tacrine    b) Edrophonium    c) Neostigmine    d) Pyridostigmine
- Q.187** Which of the following local anesthetic is useful for topical(surface) administration only  
a) Procaine    b) Bupivacine    c) Etidocaine    d) benzocaine
- Q.188** Fanconi's syndrome is associated with use of outdated  
a) Tetracyclines    b) Chloramphenicol    c) Vancomycin    d) Ornidazole
- Q.189** Which of the following drugs mimics the activity of met-enkephalin in the dorsal horn of the spinal cord?  
a) Selegiline    b) Trihexyphenidyl    c) Baclofen    d) Morphine
- Q.190** Which of the following is a selective inhibitor of MAO-B useful in the treatment of Parkinson's disease  
a) Bromocriptine    b) Carbidopa    c) Deprenyl    d) Phenelzine
- Q.191** Which of the following is described as a competitive benzodiazepine receptor antagonist?  
a) Ketamine    b) Chlordiazepoxide    c) Flumazenil    d) Midazolam
- Q.192** A reduction in insulin release from the pancreas may be caused by following diuretics.  
a) Triamterene    b) Chlorthiazide    c) Spironolactone    d) Acetazolamide
- Q.193** The release of antidiuretic hormone (ADH) is suppressed by which of the following drugs to promote a diuresis?  
a) Guanethidine    b) Acetazolamide    c) Chlorthizide    d) Ethanol
- Q.194** An important drug in the therapy of portal systemic encephalopathy is  
a) Lactulose    b) Lactate    c) Loperamide    d) Porazepam
- Q.195** The steatorrhea of pancreatic insufficiency can be best treated by  
a) Cimetidine    b) Misoprostol    c) Bile salts    d) Pancrelipase
- Q.196** The most effective aminoglycoside against *Mycobacterium tuberculosis*  
a) Streptomycine    b) Amikacin    c) Neomycin    d) Kanamycin
- Q.197** Chronic candidiasis infections of the G.I. tract and oral cavity are treated orally with  
a) Amphotericin B    b) Nystatin    c) Miconazole    d) Fluconazole
- Q.198** FDA approved new drug to alleviate moderate to severe pain in 2008 is  
a) Rufinamide    b) Tapentadol    c) Degarelix    d) None of these
- Q.199** Which one drug is approved by US FDA in 2008 for prostate cancer?  
a) Rufinamide    b) Tapentadol    c) Degarelix    d) None of these
- Q.200** The drug rufinamide is approved for use in seizures. what is brand name?  
a) Banzel    b) Latisse    c) Gleevac    d) Zenex

## Answer Key (NIPER JEE-VI)

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