Pattern Of Question Paper

JNTUH ALLIANCE ENTRANCE 2012 Examination will be paper-pencil examination. It will consist of a single paper of 2 hours duration containing 100 questions. The question paper will consist of multiple choice objective questions only. Each question will have four choices for the answer. The candidates will have to mark the correct choice on an Optical Response Sheet (ORS) by darkening the appropriate bubble against each question. One (1) mark will be awarded for each right answer and zero (00) marks for no attempts.

Q.1 Which of the following is an exotoxin

A) Diptheria toxin B) Tetanus toxin

C) Botulism toxin D) None of the above

Q.2 Carvone is the active phytoconstituent of which crude drug.

A) Dill B) Caraway

C) Spearmint D) All of the above

Q.3 The estrogenic activity is exhibited by

A) Indian rhubarb B) Rhapontic rhubarb

C) Chinese rhubarb D) Both (A) & (B)

Q.4 Prostaglandins are a group of related

A) Alcohols B) Aldehydes

C) Fatty acids D) Alkaloids

Q.5 In the process of sugar coating of tablets the colorants are added in one of the following steps

A) Syrup coating B) Polishing

C) Sub coating D) Seal coating

Q.6 Mixing of semisolids is carried out using

A) Double cone mixer B) Rotating cube mixer

C) Planetary mixer D) Fluidized bed mixer

Q.7 In cosmetic preparations, an antioxidant used in an aqueous system , is

A) Sodium formaldehyde sulphoxylate B) α- Tocopherol

C) Methyl paraben D) Phenol

Q.8 Which of the following drugs is expected to cause anticholinergic adverse effects in the elderly

A) Propoxyphene B) Amitriptyline

C) Propranolol D) Cimetidine

Q.9 Which of the following is a more sensitive detector

A) Barrier layer cell B) Phototubes

C) Photo multiplier tube D) Bolometer

Q.10 Which of the following have maximum wavenumber

A) C=Ostr B) N-Hstr

C) O-Hstr D) C≡ Cstr

Q.11 Defects in purine metabolism leads to

A) Gout B) Rheumatoid arthritis

C) Anemia D) Meth-haemoglobinemia

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Q.12 Which of the antineoplastic agent is metabolized by xanthine oxidase

A) 6- mercaptopurine B) Chlorambucil

C) Vincristine D) 6- thioguanine

Q.13 Which of the following ACE inhibitors is not a prodrug

A) Benzepril B) Captopril

C) Quinapril D) Ramipril

Q.14 One of the following carbonic anhydrase inhibitor inhibits only luminal carbonic anhydrase enzyme.

A) Methazolamide B) Acetazolamide

C) Dichlorphenamide D) Benzolamide

Q.15 Which of the following drug directly relaxes arteriolar smooth muscle & decreases peripheral resistance

A) Hydrallazine B) Methyldopa

C) Enalapril D) Clonidine

Q.16 Sterilization temperature for aquous solution in autoclave (moist heat) is

A) 72° C B) 121° C

C) 147° C D) 160° C

Q.17 Cortisone is

A) 17α, 21- dihydroxypregnane -3, 11,10- trione

B) 17α,21 dihydroxy pregn- 4- ene -12, 20- dione

C) 17α, 21 dihydroxy pregnane -4, 20 dione

D) 17α, 21 dihydroxypregn -4- ene- 3,11, 20 trione

Q.18 The common structural feature of Iodoxamic acid, diatrizoic acid & Iocarmic acid is

A) Sulfonapthalein B) 2,4,6 – tri-iodo benzoic acid

C) Tri- iodo triphenyl methanoic acid D) Tri-iodo diphenyl methanoic acid

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Q.19 β- lactamase inhibitor, clavulanic acid is

A) Oxopenam B) Oxopenem

C) Carbepenam D) Carbepenem

Q.20 Which of the following drug posse's pyridine ring nucleus

A) Physostigmine B) Neostigmine

C) Pyridostigmine D) Pyrimethamine

Q.21 Polygallic acid obtained from senega is a

A) Triterpenoid saponin B) Sequiterpenoid saponin

C) Monoterpenoid saponin D) Diterpenoid saponin

Q.22 Khellin is the active constituent of

A) Ammi B) Visnaga

C) Tonka bean D) Bearberry

Q.23 The basic heterocyclic ring present in coniine is

A) Pyrrole & pyrrolidine B) Pyridine & piperidine

C) Reduced isoquinoline - napthalene D) Benzopyrrole

Q.24 Which of the following is responsible for transfer of genetic information

A) ADP B) RNA

C) DNA D) STP

Q.25 Methyl malonyl CoA mutase which catalyses the conversion of propinyl CoA to succinyl CoA utilizes the prosthetic group derived from

A) Cyanocobalamine B) Pyridoxine

C) Thiamine D) Nicotinamide

Q.26 Creatinine clearance is used as a measurement for

A) Glomerular filteration rate B) Renal excretion rate

C) Drug metabolism rate D) Passive renal excretion

Q.27 During compression of moisture – critical granules a hygroscopic substance used to maintain a proper moisture level is

A) Sorbitol B) Talc

C) Acacia D) Tragacanth

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Q.28 Two of the following types of techniques are used for depot formulation

P) Dissolution controlled Q) Encapsulation type

R) Solubilization S) Parenteral suspensions

Identity the correct statements

A) P, Q B) Q , R C) P , S D) P , R

Q.29 The biological half-life of procaine in a patient was 35 minutes and its volume of distribution was estimated to be 60 L. The total clearance rate of procaine is

A) 1.188 L/min B) 0.115 L/min

C) 11.5 L/min D) 5.75 L/min

Q.30 A co-solvent used in the preparation of parenteral products is

A) Benzyl alcohol B) Methyl alcohol

C) Dimethyl acetamide D) Phenol

Q.31 Which of the following benzodiazepines is excepted to cause the least amount of adverse effects in the elderly

A) Chlordiazepoxide B) Oxazepam

C) Diazepam D) Flurazepam