

Sample Paper

PHARMACY

Max. Marks 100

Attempt all 50 questions, each question carries 02 marks. There is no negative marking. Please mark the correct answer as A/B/C/D at appropriate place, on the right hand side of the question, in blue or black ink.

- Q.1 Genetically modified species of papaver namely papaver bracteatum and papaver orientale contain the predominant alkaloid :-
(A) Morphine (B) Codeine
(C) Thebaine (D) Narcotine []
- Q.2 A β - lactamase inhibitor which contain an 1- Oxopenam structure is
(A) Tazobactam Sodium (B) Clavulanate Potassium
(C) Salbactam Sodium (d) Thienamycin []
- Q.3 As per drug and cosmetic Act and Rules, the GMP is included under schedule :-
(A) W (B) S
(C) P (D) M []
- Q.4 In silica get-G, G stands for
(A) Gypsum (B) Gelatin
(C) Glycerin (D) Glycine []
- Q.5 Predominantly IR Spectroscopy is studied in the region of
(A) 1.5 to 15 μ (B) 1 to 5 μ
(C) 2.5 to 25 μ (D) 400 to 4000 μ []
- Q.6 In multistation punching machine the upper as well as lower punches are connected by
(A) Cams (B) Turrets
(C) Wire meshes (D) Revolving Belts []
- Q.7 Cyclohexane can used as a solvent in UV spectrophotometric analysis because-
(A) It has a ring structure
(B) Energy requirement for $\sigma - \sigma^*$ is in the range of 120 -200 nm
(C) It is volatile
(D) It is immiscible with water []
- Q.8 A natural product derivative developed as an antimalarial is
(A) Artemether (B) Paludrine
(C) Pyrimethamine (D) Halofantrine []
- Q.9 Number of peaks shown by diethyl ether in an NMR spectrum are
(A) Four (B) Two
(C) One (D) Five []
- Q.10 The ratio of void volume to the bulk volume of the packaging of the powder is called as
(A) Porosity (B) True density

- Q.21. Chemical shift is expressed in one of the following
 (A) Cm^{-1} (B) Amperes
 (C) ppm (D) mm/ml []
- Q.22. Clofazimine belongs to a class of
 (A) Rimonophenazine (B) Aryl Piperazine
 (C) Phenothiazine (D) Binzyl Piperazine []
- Q.23. Browne's tubes are most commonly used chemical indicators for
 (A) Ethylene oxide sterilization
 (B) Radiation Sterilization
 (C) Heat Process Sterilization
 (D) Filtration Sterilization []
- Q.24. Precursor for biosynthesis of tropane alkaloids is
 (A) Leucine (B) Lysine
 (C) Ornithine (D) Tyrosine []
- Q.25. Commonly used antioxidant for oil systems is
 (A) Butylated Hydroxy toluene
 (B) Ascorbic acid
 (C) Sodium Metabisulphite
 (D) Thioglycol []
- Q.26. Staphylococcus aureus is used for IP assay of
 (A) Doxycycline (B) Bleomycin
 (C) Kanamycin (D) Carbenicillin []
- Q.27. Bulking agent used for parenteral preparation is
 (A) Glycerol (B) Benzyl Alcohol
 (C) Carbolic acid (D) Sorbitol []
- Q.28. Mechanism of action of digitalis is
 (A) Decrease intracellular sodium concentration
 (B) Inhibits sodium potassium AT Pase
 (C) Decrease release of calcium from sacroplasmic reticulum
 (D) Activate adenylcydase which produce C-AMP []
- Q.29. One of the drug when co-administered with terfenadine may lead to life threatening cardiac dysrrthmia
 (A) Lomefloxacin (B) Clofazimine
 (C) Itraconazole (D) Neomycin []
- Q.30. One of the substance listed is used as muco adhesive
 (A) Acacia (B) SCMC
 (C) Burnt Sugar (D) Saccharin []
- Q.31. pH of lachrymal fluid is
 (A) 8.0 (B) 6.2
 (C) 7.4 (D) 9.0 []

- Q.32. The diameter of mesh aperture in IP disintegration test apparatus is
 (A) 2.0mm (B) 4.0mm
 (C) 1.0 mm (D) 1.5 mm []
- Q.33. Ibuprofen is
 (A) An aryl acetic acid
 (B) A Salicylic acid derivative
 (C) An active metabolite of another drug.
 (D) Hydrolyzed in Blood stream []
- Q.34. Aziridine heterocyclic system is present in -
 (A) Thiotepa (B) Azathioprine
 (C) Atropine (D) Methotrexate []
- Q.35. Riboflavin is -
 (A) Free radical scavenger
 (B) Coenzyme in redox reaction
 (C) Essential in synthesis of rhodopsin
 (D) A coenzyme for amino acid decarboxylation []
- Q.36. Therapeutic index is -
 (A) Ratio of median lethal dose to the median effective dose.
 (B) Dosage used in the treatment
 (C) Elimination of the drug to 50% of its original concentration
 (D) Time taken for drug to be absorbed []
- Q.37. BCG Vaccine comprises of -
 (A) Living attenuated Mycobacterium tuberculosis
 (B) Experimentally killed and freeze dried polio virus
 (C) Antibodies obtained from sera of TB patient
 (D) Killed Bordetella bacteria []
- Q.38. Titrant used in assay of Paracetamol is -
 (A) Perchloric acid (B) EDTA
 (C) Ceric Ammonium Sulphate (D) tetrabutyl ammonium hydroxide []
- Q.39. γ -radiation sterilization is done for -
 (A) Rooms (B) Plastic Syringes
 (C) Talcum Powder (C) IV admixtures []
- Q.40. Which of the following is not a prodrug -
 (A) Benzepiril (B) Captopril
 (C) Quinapril (D) Ramipril []
- Q.41. Disposable syringes are made up of-
 (A) Polypropylene (B) Transparent Polystyrene
 (C) Glass (D) Polytetra chloroethylene []

- Q.42. Which of the following is orally administered -
 (A) Tetanus Toxoid (B) Rabies Vaccine
 (C) Poliomyelitis vaccine (D) Mumps virus vaccine []
- Q.43. Riboflavin is associated with coenzyme -
 (A) Coenz A (B) NAD
 (C) TPP (D) FAD []
- Q.44. Solubility limit in gm/ml corresponding to term sparingly soluble is -
 (A) Less than 1 (B) From 1 to 10
 (C) From 30 to 100 (D) From 100 to 1000 []
- Q.45. Sodium Chloride is used as
 (A) Chelating agent (B) Vehicle
 (C) Tonicity adjusting agent (D) Buffer []
- Q.46. Concentrated Sulphuric is about
 (A) 4N (B) 6 N
 (C) 16 N (D) 36 N []
- Q.47. The Cardiovascular centre is present in
 (A) Cerebellum (B) Thalamus
 (C) Medulla oblongata (D) Cerebrum []
- Q.48. Glycyrrhizin is a Calcium and Sodium salt of
 (A) Glycyrrhizinic acid (B) Glycyrrhitinic acid
 (C) Liquiritin (D) Iso Liquiritin []
- Q.49. Following test is useful in the identification of quinine
 (A) Bromine (B) Baljet
 (C) Borntrager (D) Thalleoquin []
- Q.50. The process of extraction of vegetable drug with cold or boiling water for short time is called
 (A) Infusion (B) Lotion
 (C) Oxymel (D) Irrigation []