

Section A: Pharmacy (80 Questions)

Q.1 The location where the maximum number of nutrients absorbed into the human body?

- A) Stomach
- (B) Liver
- (C) Small intestine
- (D) Large intestine

Q. 2 The biological source of yeast is:

- (A) Citrus lemon
- (B) Actinomycetes
- (C) Saccharomyces Cerevisiae
- (D) Escherichia Coli

Q. 3 What is the tissue connecting muscle to bone called?

- (A) Tendon
- (B) Cartilage white fibre
- (C) Ligament
- (D) Interstitial fluid

Q. 4 Beta blocker that decreases both systolic and diastolic blood pressure is:

- (A) Nebivolol
- (B) Sotalol
- (C) Atenolol
- (D) Propranolol

Q. 5 Which cells of the human body possess the least regenerative power?

- (A) Liver cells
- (B) Muscle cells
- (C) Brain cells
- (D) Bone cells

Q. 6 Keeping disease frequency within tolerable limits is stated as:

- (A) Disease control
- (B) Disease surveillance
- (C) Disease prevention
- (D) Disease eradication

Q.7 The supporting membrane that regulates the temperature and moisture of the air coming in & through the respiratory tract is:

- (A) Nasal membrane
- (B) Mucous membrane
- (C) Nasopharyngeal
- (D) Alveoli

Q. 8 Which of the following is an emulsifying agent of wool fat?

- (A) Lanolin
- (B) Wool alcohol
- (C) Paraffin wax
- (D) Mineral oil

Q. 9 Crude drugs are broadly classified into:

- (A) Natural& herbal
- (B) Organized& unorganized
- (C) Acidic& basic
- (D) Functional& non-functional

Q. 10 Separation of dispersed phase of an emulsion into separate layers is called:

- (A) Cracking
- (B) Irrigation
- (C) Thickening
- (D) Dispersing

Q. 11 What is the major function of carbohydrates?

- (A) Water circulation
- (B) Mineral transport
- (C) Storage of food
- (D) All the given options

Q. 12 Major constituent of raw honey is:

- (A) Glucose
- (B) Sucrose
- (C) Maltose
- (D) Fructose

Q. 13 The drug 'Bacitracin' fall under which category?

- (A) Sedative
- (B) Tranquilizer
- (C) Hypnotic
- (D) Antibiotic

Q. 14 The boiling point of alcohol is 78 degrees Celsius, the corresponding temperature in degrees Fahrenheit is:

- (A) 100
- (B) 96
- (C) 156
- (D) 172

Q. 15 List of drugs marketed under generic name were explained in

- (A) Schedule-E
- (B) Schedule-X
- (C) Schedule-W
- (D) Schedule-Y

Q. 16 The protective layers that surround the brain and spinal cord is known as:

- (A) Meninges
- (B) Pericardium
- (C) Corpus callosum
- (D) Renal fascia

Q. 17 Substances used to counteract the effects of poisoning are:

- (A) Antitussives
- (B) Antidotes
- (C) Anti-inflammatory
- (D) Anaesthetics

Q. 18 The condition of abnormal increase of RBC in blood is diagnosed as:

- (A) Hemophilia
- (B) Leukemia
- (C) Anemia
- (D) Polycybermia

Q.19 Limit tests are conducted to:

- (A) detect the presence or absence of impurities
- (B) quantify the impurities
- (C) differentiate the impurities
- (D) react with impurities we

Q. 20 Which of the following statements does DOTS represent?

- (A) Long-term treatment under direct observation
- (B) No need of supervision
- (C) Single dose is prescribed
- (D) Short-term treatment under direct observation

Q. 21 Preparation of a solution or a suspension by the addition of sterile water or any diluent to a formulated drug power is:

- (A) Compounding
- (B) Dissolution
- (C) Reconstitution
- (D) All the options

Q. 22 Which of the following vitamin also acts as an antioxidant?

- (A) Tocopherol G
- (B) Biotin Q
- (C) Niacin
- (D) Folate

Q.23 Lewis theory of acids and bases to describe acidity and alkalinity rely on

- (A) Exchange of atoms
- (B) Exchange of protons
- (C) Exchange of molecules
- (D) Exchange of electrons

Q. 24 The element that helps in blood clotting:

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin E

Q. 25 Dispensing of medicines would be difficult in absence of pharmacist in the following system

- (A) Floor stock system
- (B) Unit dose system
- (C) Combination system
- (D) Individual prescription order system

Q. 26 The body part in which endorespiratory drugs are introduced through:

- (A) Eye
- (B) Throat
- (C) Nose
- (D) Ear

Q.27 The principle surfactant used in Shampoos:

- (A) Anionic
- (B) Cationic
- (C) Non-ionic
- (D) Ampholytic

Q. 28 The mechanism involved in mixing process include:

- (A) Bulk transport
- (B) Molecular diffusion
- (C) Lamellar mixing
- (D) All the given options

Q. 29 The source of Monoclonal antibodies:

- (A) Fibre
- (B) Carbohydrate
- (C) Cellulose
- (D) Protein

Q. 30 _____ is the human body component where maximum immune response is generated.

- (A) Protein
- (B) Spleen
- (C) Glycogen
- (D) Haemoglobin

Q. 31 Glycerine is used in the eye primarily:

- (A) To constrict the eye
- (B) To dilate the eye
- (C) To clear the corneal haze
- (D) As a contact lens solution

Q. 32 The purpose of pharmaceutical packaging is not applicable to:

- (A) Chemical safety
- (B) Marketing strategy
- (C) Barrier protection
- (D) Physical protection

Q. 33 The drugs that are used to treat Malignant condition or neoplasm are called as:

- (A) Cytotoxic drugs
- (B) Anti-neoplastic drugs
- (C) Anti-cancer drugs
- (D) All the given options

Q. 34 The volume of infusion injected into a vein is:

- (A) More than 5 – 10ml
- (B) Less than 1 — 10ml
- (C) More than 10 — 15ml
- (D) Less than 20 — 25 ml

Q. 35 How many times an oral solid dose can be given in 24 hours' time:

- (A) 3-4
- (B) 1-3
- (C) 5-6
- (D) 2-4

Q. 36 _____ type of glass is not suitable for parenteral preparations

- (A) Type I Borosilicate
- (B) Type II Borosilicate
- (C) Type II Borosilicate
- (D) All the above

Q. 37 $\text{pH}=\text{pK}_b + \log \frac{[\text{salt}]}{[\text{base}]}$ equation indicates:

- (A) Basic buffer
- (B) Acidic buffer
- (C) Both acidic & basic
- (D) Neutral salts &

Q. 38 In ginger oil, terpenoids are present in the form of:

- (A) Geranial
- (B) Zingiberene
- (C) Citronellol
- (D) Menthol

Q. 39 The heterocyclic nucleus present in sulphadiazine is:

- (A) Pyridine
- (B) Pyrimidine
- (C) Piperidine
- (D) Oxazole

Q. 40 The most preferred drug to treat severe respiratory infections/diseases:

- (A) Benzyl Penicillin
- (B) Chloramphenicol
- (C) Cotrimoxazole
- (D) Gentamycin

Q. 41 Aerosols are prepared by:

- (A) Pressure filling
- (B) Cold filling
- (C) Both cold & pressure filling
- (D) None of the above

Q.42 Noticeable characteristic symptom of third degree burn:

- (A) Burnt skin, very little or no pain
- (B) Burnt skin, pain
- (C) Blisters and pain
- (D) Redness coupled with pain

Q. 43 Titanium dioxide is the main ingredient in

- (A) Night creams
- (B) Moisturizing lotions
- (C) Face wash gels
- (D) Sun screens

Q. 44 Which of the following food element provides maximum energy per gram?

- (A) Protein
- (B) Fat
- (C) Carbohydrate
- (D) Sugar

Q. 45 Smooth muscles are present in:

- A) Eyes
- (B) Respiratory tract
- (C) Bladder
- (D) All the given options

Q. 46 Nitrofurantoin is a derivative of:

- (A) Alcohol
- (B) Furan
- (C) Phenol
- (D) Acridine

Q. 47 The substances that kill or inhibit the growth of harmful microorganism are termed as:

- (A) Anthelmintics
- (B) Astringents
- (C) Antitussives
- (D) Antiseptics

Q. 48 The extent of presence of Zinc Oxide (ZnO) in Calamine lotion would be:

- (A) 99%
- (B) 100%
- (C) 96%
- (D) 98%

Q. 49 Cardiac glycoside, Digitalis is popularly called as:

- (A) Foxglove
- (B) Mave
- (C) Colchicicum
- (D) Isabgol

Q.50 After independence, in which year Indian Pharmacopoeia was made official in India?

- (A) 1949
- (B) 1980
- (C) 1948
- (D) 1947

Q.51 The type of grinding machine used for size reduction of medicinal substances:

- (A) Punching machine
- (B) Ball Mill
- (C) Sugar Mill
- (D) Lyophilizer

Q. 52 Which of the following statement is not true about Acetyl salicylic acid (Aspirin)?

- (A) Aspirin has analgesic, anti-pyritic and anti-inflammatory properties.
- (B) Aspirin can cause gastric ulceration and GI bleeding.
- (C) Aspirin increases platelet aggregation and help in blood coagulagtion

(D) Aspirin provide asymptomatic relief in Rheumatoid arthritis.

Q.53 What is the dose for 6-year-old child if the adult dose is 250mg (apply Young's rule)?

(A) 60mg

(B) 85mg

(C) 100mg

(D) 180mg

Q. 54 The rout of BCG vaccine given in children:

(A) Subcutaneous

(B) Intradermal (ID) injection

(C) Intramuscular

(D) Oral administration

Q.55 The method of volatile oil extraction from herbs is known as:

(A) Solvent extraction

(B) Steam distillation

(C) Expression

(D) Inflorescence

Q.56 Identify the correct one that contains all the information required to fold the polypeptide chain into its 3D structure.

(A) Histone protein

(B) m-RNA

(C) Glucose

(D) Amino acid sequence

Q. 57 The choice of preferred sweetening agent in tooth pastes:

- (A) Glycerine
- (B) Sodium saccharine
- (C) Sucrose
- (D) Candy sugar

Q. 58 Which of the following is not a function of kidney?

- (A) Regulation of blood
- (B) Removal of metabolic waste from the body
- (C) Production of antibodies
- (D) Regulation of osmotic pressure in the blood

Q. 59 The mechanism of action of anti-venom relates to:

- (A) Complex formation
- (B) Inhibition of toxic metabolites
- (C) Metabolic conversion
- (D) All the given options

Q. 60 Mouth washes are also popularly known as:

- (A) Alcoholic solutions
- (B) Oral cleansers
- (C) Liquid dentifrices
- (D) Mouth solutions

Q. 61 The physical properties such as gel strength and viscosity of gelatin are expressed at

- (A) Stiffness factor
- (B) Partition coefficient
- (C) Bloom strength
- (D) pH & pKa value

Q. 62 Name of the reagent used in saponification reaction:

- (A) Ammonia
- (B) Acetic acid
- (C) NaOH/KOH
- (D) Citric acid

Q. 63 What is the normal blood pressure in humans irrespective of age?

- (A) 120/90 mmHg
- (B) 149/90 mmHg
- (C) 120/80 mmHg
- (D) 140/100 mmHg

Q. 64 Fresh and dry leaves of Tulsi are obtained from:

- (A) Commiphora mukul
- (B) Ocimum sanctum Linn
- (C) Colchicum automnale Linn
- (D) Santalam album

Q. 65 moebiasis is the infection occurring in

- (A) Liver & intestine
- (B) Kidney
- (C) Lungs
- (D) Appendix

Q. 66 Which of the following chemical agents are used in the treatment of insomnia?

- (A) Benzodiazepines
- (B) Imidazopyridines
- (C) Barbiturates
- (D) All the given options

Q.67 Natural lipids are easily soluble in

- (A) Oil
- (B) Water
- (C) Alcohol
- (D) Mercury

Q. 68 The mortality rate among AIDS patients is:

- (A) 50%
- (B) 75%
- (C) 90%
- (D) 100%

Q. 69 The drugs that increases urine flow:

- (A) Anti-allergic
- (B) Tranquilizers
- (C) Diuretics
- (D) Local anaesthetics

Q. 70 Active immunity is:

- (A) Slow and long lasting
- (B) Relatively fast and short lasting
- (C) Fast and long lasting
- (D) passive and moderate

Q. 71 One of the simplest and fastest tests used to evaluate heart function is:

- (A) PET Scan
- (B) Electrocardiogram
- (C) MRI Sean
- (D) Total blood profile

Q.72 Unit-dose dispensing system is used for:

- (A) In-patient
- (B) Out-patient
- (C) Both in & out patient
- (D) Emergency patients

Q. 73 Spurious drugs are:

- (A) Imitations
- (B) Substitutes
- (C) Resembled drugs
- (D) All the mentioned options

Q.74 The definition “Health is the complete physical, mental and social wellbeing and not just any absence of disease or infirmity” is given by:

- (A) Indian Food & logistics department
- (B) World Health Organization
- (C) USFDA
- (D) Indian Pharmacopoeia

Q. 75 Castor oil in nail lacquer preparation is used as a _____

- (A) Carrier
- (B) Plasticizer
- (C) Both plasticizer & carrier
- (D) Solvent

Q.76 During the cell division is produced.

- (A) White blood cells
- (B) Red blood cells
- (C) Deoxyribose nucleic acid
- (D) Bacteriophages

Q. 77 Which of the following anthelmintic is a natural product?

- (A) Emetine
- (B) Quinidine
- (C) Digitalis
- (D) Ivermectin

Q.78 As per Indian Pharmacopoeia, a tablet should not be:

- (A) Round shaped
- (B) Flat spherical
- (C) Bi-convex spherical
- (D) Star shape

Q.79 The average number of stomata present per square mm on the leaf epidermis is expressed as

- (A) Palisade ratio
- (B) Vein-islet number
- (C) Stomatal index
- (D) stomatal number

Q.80 An isotonic solution has the same _____

- (A) Fluid pressure as blood
- (B) Specific gravity as blood
- (C) Osmotic pressure as blood
- (D) pH value as blood

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**SECTION B : GENERAL AWARENESS AND BASIC
COMPUTER KNOWLEDGE(20 Questions)**

Q. 1 What is the function of the Central Processing Unit of a computer?

- a. Creates invoices
- b. Performs calculations and processing
- c. Deletes Data
- d. Corrupts the data

Q. 2 Who among the following played the leading lady in the film 'Mission Mangal' that tells the dramatic true story of the women behind India's first mission to Mars?

- (A) Deepika Padukone
- (B) Vidya Balan
- (C) Kajol
- (D) Kareena Kapoor

Q. 3 The information you put into the computer is called..... :

- (A) directory
- (B) facts
- (C) data
- (D) files

Q.4 The Vivekananda rock Memorial is located in _____

- (A) Andaman
- (B) Srinagar
- (C) Kanyakumari
- (D) Ladakh

Q.5 Which key is used in combination with another key to perform a specific task?

- (A) Function
- (B) Spacebar
- (C) Arrow
- (D) Control

Q.6 In an information system, alphanumeric data normally takes the form of.....

- (A) Sentences and paragraphs
- (B) Numbers and alphabetical characters
- (C) Graphic shapes and figures
- (D) Human voices and other sounds

Q.7 The Lalita Kala Akademi is devoted to the promotion of:

- (A) Fine Arts
- (B) Literature
- (C) Music
- (D) Dance and Drama

Q. 8 Bihu is the festival that is observed in:

- (A) West Bengal

- (B) Maharashtra
- (C) Assam
- (D) Tamil Nadu

Q. 9 All of the logic and mathematical calculations done by the computer happen in/ on the _____

- (A) System Board
- (B) Central Control Unit
- (C) Central Processing Unit
- (D) Mother Board

Q. 10 The river which is used for inland waterways in India is

- (A) Ganga
- (B) Cauveri
- (C) Mahi
- (D) Luni

Q. 11 The Greater Himalayas is otherwise called as

- (A) Himadri
- (B) Sahyadri
- (C) Assam Himalayas
- (D) Shivaliks

Q. 12 Which one of the following states has the longest coastline?

- (A) Maharashtra
- (B) Tamil Nadu

- (C) Gujarat
- (D) Andhra Pradesh

Q. 13 The only perennial river in Peninsular India is

- (A) Godavari
- (B) Kaveri
- (C) Krishna
- (D) Bhima

Q. 14 Which of the following is NOT a classical language of India?

- (A) Odia
- (B) Pali
- (C) Kannada
- (D) Telugu

Q. 15 Which of the following is a major folk dance of Rajasthan?

- (A) Chhau
- (B) Giddha
- (C) Ghumar
- (D) Bihu

Q.16 Which of these keys is not on the number keypad?

- (A) Ctrl
- B) Del
- (C) Enter
- D) Num Lock

Q. 17 The arithmetic/ logic unit performance the following actions.....

- (A) checks data for accuracy
- (B) does calculations using addition, subtraction, multiplication, and division
- (C) does logical comparisons, such as equal to, greater then, less than
- (D) does both calculations and logical comparisons

Q. 18 A _____ is a large and expensive computer cable of simultaneously processing data for hundreds or thousands of users.

- (A) handheld computer
- (B) mainframe computer
- (C) personal computer
- (D) tablet computer

Q. 19 Which one of the following is called father of computer?

- (A) Marconi
- (B) Adison
- (C) Charles Babbage
- (D) Herman Hallinilt

Q. 20 Of the following, which is the fastest?

- (A) CD-ROM
- (B) RAM
- (C) Registers
- (D) Cache

