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**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) Nebiolor
- (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:**

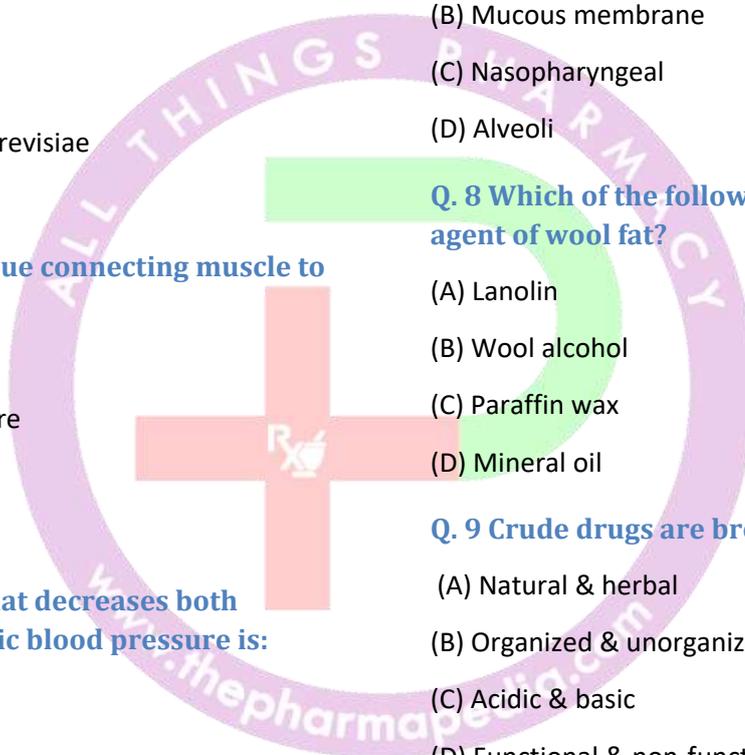
- (A) Natural & herbal
- (B) Organized & unorganized
- (C) Acidic & basic
- (D) Functional & non-functional

**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: KS**

- (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) Polycythemia

**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 III Borosilicate
- (D) All the above

**Q. 37**  $\text{pH} = \text{pK}_b + \text{Log} \left\{ \frac{\text{salt}}{\text{base}} \right\}$  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) Colchicum

(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-pyretic and anti-inflammatory properties.
- (B) Aspirin can cause gastric ulceration and GI bleeding.
- (C) Aspirin increases platelet aggregation and help in blood coagulation
- (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 route 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? oo**

- (A) Regulation of blood pH
- (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 autumnale 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

**SECTION : GENERAL AWARENESS AND BASIC COMPUTER KNOWLEDGE**

**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 we
- (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 than, less than

(D) does both calculations and logical comparisons

**Q. 18 A \_\_\_ is a large and expensive computer capable 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

