

Most Important Anatomy & Physiology Question

- Q.1: Define Anatomy. Explain its Branches.
- Q.2: Define Physiology. Explain its Branches.
- Q.3: How many types of cell define any two?
- Q.4: What is cell membrane / Plasma membrane?
- Q.5: What is Golgi apparatus? Describe its function.
- Q.6: Explain the overview of Human Skull.
- Q.7: Briefly explain upper limb or upper Extremities part of the body.



Q.8: Define Joints. Explain its Types and Functions.

Q.9: Briefly explain ABO Blood group system.

Q.10: Define blood. Describe the function of its cellular part (RBCs, WBCs, Platelets).

Q.11: What is Anemia? Explain its Types.

Q.12: Explain the Valves of Heart.

Q.13: What is Blood pressure? How do measure it.

Q.14: Explain the Transport of Oxygen (O₂) and Carbon dioxide (Co₂) in Blood.

Q.15: Write a comprehensive note on Skin.

Q.16: Describe about the formation of Urine.



Q.17: Define Hormones. Explain its classification of hormones.

Q.18: What is digestive system. Write a note on movement of Stomach.

Q.19: Write a Short note on:

(a) Anatomy of Urinary system

(b) Anatomy of Respiratory system OR Anatomy of upper and Lower respiratory Tract

(c) Anatomy of CVS system

d) Anatomy of Digestive system

e) Anatomy of upper and Lower limb

f) Anatomy of Nervous system



Q.20: Define the Following:

(a) Histology

(b) Liver

(c) Gall-Bladder

(d) Adduction

(e) Abduction

(f) Flexion

(g) Extension

(h) ECG

(i) Insulin

(j) Patella

(k) Nephron

(L) Lymphatic system

(m) Mitochondria

(n) Dorsal Part

Most Important Biochemistry Question

Q:1 Define Biochemistry. What is biochemistry used for?

Q:2 Define Carbohydrates. Briefly explain the Characteristics and Function of Carbohydrate

Q:3 Describe the Sources of Carbohydrates.

Q:4 Briefly explain the Classification of Carbohydrates.

Q:5 Define Lipids and Describe the Classification of Lipids / Function of Lipids

Q:6 Define Proteins. Explain the Function of Proteins.

Q:7 Shortly explain the Classification of proteins.



Q:8 Briefly explain the concept of Growth Hormones.

Q:9 Describe the Types of RNA.

Q:10 Explain the Function of DNA.

Q:11 Explain the effect of Insulin Hormones in human body.

Q:12 Define Enzymes. Explain the function of Enzymes.

Q:13 Briefly explain the classification of Enzymes.

Q:14 Which disease will occur in human body due to the deficiency of Vitamin-D?

Q:15 Briefly describe Vitamin B-1 and Vitamin-C



Most Important Microbiology Question

Q:1 Define Microbiology and explain branches

Q:2 Define Microbes. How to Microbes Lives in human body

Q:3 Define Microscope. Briefly explain the parts of microscope.

Q:4 Describe about the Characteristics of Microscope.

Q:5 Briefly explain the Staining process of Microorganism.

Q:6 What is Bacteria. Shortly explain the classification of Bacteria.

Q:7 Define Virus. Describe the different Shapes and Structure of Virus.





Q:8 Briefly explain the Classification of Virus.

Q:9 What is Fungi? Describe the Advantage/uses of Fungi.

Q:10 Define Sterilization. Shortly explain the Methods of Sterilization.

Q:11 Define Immunity. Describe about the Short note on Immunity.

Q:12 Briefly explain the Types of Antigen- Antibody (Ag-Ab) Reactions.

Q:13 Define Vaccine. What is the requirement for an ideal Vaccine?

(OR)

Q: Explain the Characteristics of Vaccine.

Q:14 Describe about the Types of Vaccine.

Q:15 What is difference between non specific antisera and specific antisera antitoxins.

(OR)

Q: What is difference between Sera and Antisera.

Q16: Define streptococci with example

Q17: Explain cell wall of gram positive & negative bacteria

Q18? Write a short note on pathogenicity



PAPER - B

Subjects:



Pharmaceutics
Pharmacognosy



PAPER - B



Marks Paper A: 120

- Objective questions & Marks: 60
- Subjective questions : $(6 + 6) \times 5 = 12$ & marks = 60

Most Important Pharmaceutics Question

Q:1 Define Pharmacy Technician. Briefly explain the role and responsibilities of pharmacy technician.



Q:2 What is Pharmacy? Describe the Different Types of Pharmacy.

Q:3 Define Drug. Shortly explain the classification of drug.

Q:4 What are buffer and their application in Pharmacy.

Q:5 What is Adsorption? Describe the different types of adsorption and also give application in Pharmacy.

Q:6 Define PH. Write down different types of PH indicator and their applications.

Q:7 Briefly explain the Hypertonic, Hypotonic and Isotonic solution.

Q:8 Define Crystallization. Describe the Methods of Crystallization.

Q:9 How many types of Distillation, explain any two of them.

Q:10 Describe the History of Pharmacy with reference to the role of any Three Muslim Scientist.

Q.11 Describe in detail about the official Books in Pharmacy.



Q:12 Define Dosage form. Describe in detail the Classification of dosage form according to the route of Administration.

Q:13 Briefly describe the Five Types of dosage form.

Q:14 Describe standard Total Parental Nutrition (TPN) Formulation for Adult and Pediatric Patients.

Q:15 Write a Short note on the following:

- | | | | |
|--------------------|---------------|--------------|----------------|
| a) Surface Tension | (b) Viscosity | (c) Density | (d) Ionization |
| (e) vaporization | (f) Elixirs | (g) Aerosols | (h) Ointments |
| (i) Desiccation | (j) Emulsion | | |

Most Important Pharmacognosy Question

Q:1 Define Pharmacognosy. Explain the Scope of Pharmacognosy.

Q:2 Briefly explain the classification of Crude Drug.

Q:3 How many Methods to Evaluate the Crude Drug? Explain any two of them.

Q:4 Define Allergen. Describe the different types of Allergen/Allergies.

Q:5 Briefly explain the Types of Skin test for Allergy.

Q:6 Difference between the Enzymes and Catalyst.

Q:7 Briefly describe the Properties of Enzymes.



Q:8 How many Classification of Enzymes? Define any Two of them.

Q:9 Briefly explain the Types of Chromatography.

Q:10 Define Extraction. Shortly explain the Theory of Extraction.

Q:11 Describe the Techniques/Methods/Principles of Extraction.

Q:12 What are Poisonous Plant. Give detail of Poisonous Plant of Pakistan.

Q:13 How many Classification of Carbohydrates. Define any Two of them.



Q:14 Write a Short Note on the Following:

Alkaloids (b) Glycosides (c) Resins (d) Tannins (e) Fixed oils

Q:15 Define the Following Terms:

(a) Annulation (b) Glossy (c) Gall (d) Mucilage (d) Rhizome
(e) Eluent (f) Antibody (g) Autoimmune (h) Cathartic
(h) Inflammation (i) Antigens (j) Roots (k) Herb
(l) Essential oils (m) Anaphylaxis

