Question 1: What is the primary focus of dentistry?
A) Diagnosing and treating diseases of the heart
B) Treating diseases and abnormalities of the teeth and gums
C) Performing surgeries on the brain
D) Treating diseases of the lungs
E) Performing surgeries on the joints
Question 2: What percentage of people in the United States alone are estimated to have no natural teeth?
A) 10%
B) 15%
C) 20%
D) 25%
E) 30%
Question 3: Which field of dentistry focuses on straightening crooked teeth and modifying oral-related facial problems?
A) Endodontics
B) Paediatric dentistry
C) Orthodontics
D) Periodontics
E) Oral and maxillofacial surgery
Question 4: What is the main purpose of regular, twice-yearly check-ups at the dentist?
A) To get free toothbrushes
B) To watch cartoons in the waiting room
C) For professional cleaning and examination
D) To get free candy
E) To practice brushing teeth
Question 5: Which branch of dentistry involves restoring crowns, implants, dentures, bridges, and veneers?

A) Periodontics

B) Prosthodontics

C) Orthodontics
D) Endodontics
E) Oral and maxillofacial surgery
Question 6: What is the structural, functional, and biological unit of all organisms?
A) Organelle
B) Tissue
C) Cell
D) Nucleus
E) Cytoplasm
Question 7: Which of the following is NOT one of the principal parts of a cell?
A) Cell membrane
B) Nucleus
C) Cytoplasm
D) Golgi apparatus
E) Mitochondria
Question 8: What is the primary function of the cell membrane?
A) Regulating material exchange B) Producing energy
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport
Question 8: What is the primary function of the cell membrane? A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders E) Synthesizing proteins
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders E) Synthesizing proteins
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders E) Synthesizing proteins Question 9: Which phase of the cell cycle involves cell growth and DNA replication?
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders E) Synthesizing proteins Question 9: Which phase of the cell cycle involves cell growth and DNA replication? A) Prophase
A) Regulating material exchange B) Producing energy C) Packaging processed molecules for transport D) Digesting invaders E) Synthesizing proteins Question 9: Which phase of the cell cycle involves cell growth and DNA replication? A) Prophase B) Interphase

Question 10: Which stage of mitosis involves the chromosomes aligning in the center of the cell?

A) Prophase
B) Prometaphase
C) Metaphase
D) Anaphase
E) Telophase
Question 11: Which part of the human body is primarily responsible for the sense of smell?
A) Mouth
B) Ear
C) Eye
D) Nose
E) Chest
Question 12: What is the function of the esophagus?
A) Pump blood to the body
B) Filter waste from the blood
C) Carry air to the lungs
D) Digest food and absorb nutrients
E) Transport food from the mouth to the stomach
Question 13: Which part of the human body contains the principal organs such as the stomach, liver, and intestines?
A) Chest
B) Abdomen
C) Neck
D) Back
E) Waist
Question 14: What is the primary function of the skeleton?
A) Produce blood cells
B) Pump blood throughout the body
C) Provide attachment for muscles
D) Control body temperature

E) Produce digestive enzymes

Question 15: Which branch of science studies the form and structure of organisms?
A) Biology
B) Chemistry
C) Anatomy
D) Physiology
E) Geology
Question 16: Which system of the body is responsible for converting food into energy?
A) Musculoskeletal system
B) Nervous system
C) Digestive system
D) Respiratory system
E) Urinary system
Question 17: What is the primary function of the lymphatic system?
A) Regulation of body temperature
B) Production of hormones
C) Removal of waste molecules from the blood
D) Transportation of nutrients to cells
E) Defense against infection and disease
Question 18: Which system of the body is responsible for bringing oxygen into the body and removing carbon dioxide?
A) Musculoskeletal system
B) Nervous system
C) Circulatory system
D) Endocrine system
E) Integumentary system
Question 19: What is the function of the reproductive system?
A) Regulation of body temperature
B) Defense against infection and disease

C) Sexual reproduction

D) Conversion of food into energy
E) Removal of waste molecules from the blood
Question 20: Which system of the body is primarily responsible for producing regulatory substances called hormones?
A) Respiratory system
B) Lymphatic system
C) Endocrine system
D) Reproductive system
E) Integumentary system
Question 21: Which of the following is NOT a function of bones in the human body?
A) Providing support for the body
B) Producing blood cells
C) Protecting organs
D) Storing calcium and fat
E) Transmitting electrical signals
Question 22: Which part of the human skeleton is responsible for supporting the trunk?
A) Axial skeleton
B) Appendicular skeleton
C) Skull
D) Pelvis
E) Femur
Question 23: What is the function of ligaments in the skeletal system?
A) Connecting bones to muscles
B) Connecting muscles to bones
C) Providing a cushion between bones
D) Storing calcium and fat
E) Connecting bones to bones
Question 24: Which bone is the largest in the human body?

A) Femur

B) Skull
C) Spine
D) Tibia
E) Humerus
Question 25: How many bones are there in the adult human skeleton?
A) 100
B) 150
C) 200
D) 206
E) 250
Question 26: What is the primary function of the cardiovascular system?
A) Oxygenate the lungs
B) Transport oxygen and nutrients to cells
C) Regulate body temperature
D) Filter waste from the blood
E) Produce hormones
Question 27: Which chamber of the heart receives oxygenated blood from the lungs?
A) Right atrium
B) Right ventricle
C) Left atrium
D) Left ventricle
E) Septum
Question 28: What is the function of the coronary arteries?
A) Supply oxygen and nutrients to the lungs
B) Supply oxygen and nutrients to the heart muscle
C) Pump oxygenated blood to the body
D) Pump deoxygenated blood to the lungs
E) Filter waste from the blood

A) Tricuspid valve B) Bicuspid valve C) Semilunar aortic valve D) Semilunar pulmonary valve E) Sinoatrial node Question 30: Which part of the heart divides it into right and left halves? A) Endocardium B) Pericardium C) Myocardium D) Septum E) Atrium Question 31: What is the primary function of the human heart? A) Pump oxygen to the body B) Pump blood to the brain C) Pump blood through the arteries to all parts of the body D) Regulate body temperature E) Filter waste from the blood Question 32: What is the main difference between the systemic and pulmonary circulations? A) Systemic circulation pumps blood to the lungs, while pulmonary circulation pumps blood to the body. B) Systemic circulation exchanges carbon dioxide for oxygen, while pulmonary circulation exchanges oxygen for carbon dioxide. C) Systemic circulation pumps blood to the body, while pulmonary circulation pumps blood to the heart. D) Systemic circulation transports oxygen to the body, while pulmonary circulation transports carbon dioxide to the lungs. E) Systemic circulation involves the right side of the heart, while pulmonary circulation involves the left side of the heart. Question 33: What is the diastolic blood pressure a measure of? A) The strength of contraction

Question 29: What initiates the cardiac impulse in the heart?

B) The strength of relaxation

C) The rate of heartbeat

D) The volume of blood pumped by the heart E) The thickness of blood vessel walls Question 34: Which chamber of the heart pumps blood to the systemic circulation? A) Right atrium B) Right ventricle C) Left atrium D) Left ventricle E) Septum Question 35: What is the primary function of the atria in the heart? A) Pump blood to the body B) Pump blood to the lungs C) Receive blood from the lungs D) Receive blood from the body E) Contract with considerable force Question 36: What is the primary function of red blood cells (RBCs)? A) Transport oxygen from the lungs to the cells of the body B) Fight infection and pathogens C) Form blood clots D) Transport nutrients to the cells E) Transport carbon dioxide from the cells to the lungs Question 37: Which component of blood is responsible for blood clotting? A) Red blood cells B) White blood cells C) Plasma D) Platelets E) Hemoglobin Question 38: What is the primary function of white blood cells (WBCs)?

A) Transport oxygen from the lungs to the cells of the body
B) Fight infection and pathogens
C) Form blood clots
D) Transport nutrients to the cells
E) Transport carbon dioxide from the cells to the lungs
Question 39: What is the primary component of blood plasma?
A) Red blood cells
B) White blood cells
C) Platelets
D) Water
E) Hemoglobin
Question 40: Which blood group is considered the "universal donor"?
A) A Rh+
B) B Rh+
C) AB Rh+
D) O Rh-
E) AB Rh-
Question 41: Which part of the respiratory system is responsible for warming, moisturizing, and filtering air?
A) Larynx
B) Trachea
C) Bronchi
D) Nasal cavity
E) Pharynx
Question 42: What is the primary function of the alveoli in the lungs?
A) Warming and moistening air
B) Filtering air
C) Exchanging oxygen and carbon dioxide with the blood
D) Producing mucus
E) Pumping air into the bronchioles

Question 43: How many lobes does the right lung have?
A) One
B) Two
C) Three
D) Four
E) Five
Question 44: What is the primary function of the bronchi in the respiratory system?
A) Exchanging oxygen and carbon dioxide with the blood
B) Filtering air
C) Warming and moistening air
D) Pumping air into the alveoli
E) Transporting air to and from the lungs
Question 45: What is the total surface area of the alveoli in the lungs?
A) 9 sq.m
B) 80 sq.m
C) 90 sq.m
D) 700,000,000 sq.m
E) 6 liters
Question 46: What is the primary function of the respiratory system?
A) Producing blood cells
B) Supplying the body with oxygen and removing carbon dioxide
C) Regulating body temperature
D) Facilitating digestion
E) Transmitting nerve signals
Question 47: What are cilia responsible for in the respiratory system?
A) Exchanging gases
B) Capturing germs and pollutants
C) Producing mucus

D) Expelling carbon dioxide
E) Facilitating sneezing
Question 48: Which blood vessels capture carbon dioxide emitted by tissues?
A) Arteries
B) Veins
C) Pulmonary artery
D) Capillaries
E) Bronchi
Question 49: What is the role of hemoglobin in the blood?
A) Capturing carbon dioxide in the lungs
B) Producing oxygen in the alveoli
C) Transporting oxygen in the blood
D) Expelling carbon dioxide through exhalation
E) Absorbing nutrients from the digestive system
Question 50: What happens to the flow of blood into the lungs during inhalation?
A) It increases
B) It decreases
C) It remains constant
D) It stops
E) It reverses direction
Question 51: What are the main components of the nervous system?
A) Bones, muscles, and skin
B) Brain, spinal cord, and sensory organs
C) Heart, lungs, and kidneys
D) Liver, pancreas, and gallbladder
E) Stomach, intestines, and esophagus
Question 52: Which part of the brain controls motor activity and helps maintain posture and balance?

A) Cerebrum
B) Brainstem
C) Cerebellum
D) Cerebral cortex
E) Occipital lobe
Question 53: What is the main function of the spinal cord?
A) Sensory integration
B) Control of the brain
C) Motor activity
D) Communication between the brain and body
E) Memory storage
Question 54: How many lobes does each hemisphere of the cerebrum contain?
A) Two
B) Three
C) Four
D) Five
E) Six
Question 55: What is the role of the peripheral nervous system (PNS)?
A) Sensory reception only
B) Motor function only
C) Integration of sensory signals
D) Communication between brain and spinal cord
E) Monitoring conditions inside and outside the body
Question 56: Which division of the nervous system carries sensory information towards the CNS?
A) Somatic nervous system
B) Autonomic nervous system
C) Motor branch of the PNS
D) Efferent branch of the PNS

E) Afferent branch of the PNS

Question 57: Which nervous system is responsible for	conscious perception and voluntary motor
responses?	

- A) Somatic nervous system
- B) Autonomic nervous system
- C) Sympathetic nervous system
- D) Parasympathetic nervous system
- E) Sensory nervous system

Question 58: Which system prepares the body for action, such as increasing heart rate and releasing sugar into the blood?

- A) Somatic nervous system
- B) Autonomic nervous system
- C) Sympathetic nervous system
- D) Parasympathetic nervous system
- E) Central nervous system

Question 59: What are reflexes that are automatic and often inborn responses to stimuli called?

- A) Voluntary responses
- B) Involuntary responses
- C) Conditioned reflexes
- D) Unconditioned reflexes
- E) Motor responses

Question 60: Which type of reflexes are mostly stable and not easily modified?

- A) Unconditioned reflexes
- B) Conditioned reflexes
- C) Voluntary reflexes
- D) Involuntary reflexes
- E) Sensory reflexes

Question 61: What is the first division of the alimentary tract?

A) Small intestine
B) Stomach
C) Mouth
D) Esophagus
E) Pharynx
Question 62: Which organ is responsible for storing bile and releasing it into the duodenum to aid in fat digestion?
A) Liver
B) Pancreas
C) Stomach
D) Gallbladder
E) Small intestine
Question 63: Which part of the small intestine is located between the duodenum and ileum?
A) Jejunum
B) Duodenum
C) Ileum
D) Colon
E) Caecum
Question 64: What is the function of the large intestine?
A) Absorb nutrients
B) Produce bile
C) Digest fats
D) Absorb water
E) Store food
Question 65: Which organ plays a major role in metabolism, glycogen storage, and detoxification?
A) Gallbladder
B) Pancreas
C) Liver
D) Stomach

E) Small intestine Question 66: What triggers the flow of saliva in the mouth during the digestive process? A) Chewing B) Thinking about food C) Swallowing D) Digestive enzymes E) Absorption of nutrients Question 67: Which process involves the breakdown of larger pieces of food into smaller pieces before chemical digestion? A) Mechanical digestion B) Chemical digestion C) Absorption D) Chewing E) Swallowing Question 68: Which enzyme found in saliva begins the breakdown of starch into simpler sugars? A) Amylase B) Lipase C) Protease D) Lactase E) Maltase Question 69: What is the main function of the pharynx in the digestive system? A) Absorption of nutrients B) Chemical digestion C) Storage of food D) Passage for food and air E) Production of enzymes

Question 70: What prevents food from entering the trachea during swallowing?

A) Pharynx

B) Larynx
C) Epiglottis
D) Esophagus
E) Trachea
Question 71: What is the main function of hormones in the endocrine system?
A) Transport nutrients to cells
B) Stimulate growth of blood vessels
C) Regulate physiological activities
D) Produce energy for the body
E) Maintain body temperature
Question 72: Which gland is responsible for producing the hormone thyroxin?
A) Adrenal glands
B) Pineal gland
C) Thyroid gland
D) Pituitary gland
E) Pancreas
Question 73: What is the function of the hormone melatonin secreted by the pineal gland?
A) Control blood pressure
B) Stimulate growth
C) Regulate sleep patterns
D) Aid digestion
E) Produce insulin
Question 74: Which hormone is produced by the thymus gland and stimulates the development of T cells?
A) Thyroxin
B) Melatonin
C) Thymosin
D) Insulin
E) Pituitrin

Question 75: Which gland produces both external and internal secretions, including pancreatic juice and insulin?
A) Pineal gland
B) Adrenal glands
C) Thyroid gland
D) Pituitary gland
E) Pancreas
Question 76: What is the primary function of the urinary system?
A) Produce hormones
B) Regulate blood pressure
C) Filter blood and remove waste products
D) Digest food
E) Transport oxygen to tissues
Question 77: Which organ temporarily stores urine before it is discharged from the body?
A) Kidneys
B) Ureters
C) Renal cortex
D) Urinary bladder
E) Renal medulla
Question 78: What is the functional unit of the kidney responsible for filtering blood and producing urine?
A) Ureter
B) Nephron
C) Renal pelvis
D) Renal capsule
E) Urinary bladder
Question 79: What is the purpose of the urethra in the urinary system?

A) Transport urine from the kidneys to the bladder $\,$

B) Convey urine from the bladder to the ureters

Question 84: How long can sperm cells remain viable within the female reproductive tract?
A) 24 hours
B) 48 hours
C) 72 hours
D) 96 hours
E) 120 hours
Question 85: Which reproductive technique involves fertilizing an egg with sperm outside the body?
A) Ovulation induction
B) Tubal ligation
C) Intrauterine insemination (IUI)
D) In vitro fertilization (IVF)
E) Embryo transfer
Question 86: What is immunity?
A) The growth of microorganisms in the human body
B) The invasion of microorganisms in the human body
C) The capacity of resistance against infections
D) The production of toxins by microorganisms
E) The presence of bacteria in the tissues
Question 87: What is an antitoxin?
A) A specific type of bacteria
B) A chemical produced by microorganisms
C) A poison released by microorganisms
D) A chemical antidote produced by the body against toxins
E) A vaccine used to treat infections
Question 88: What role do phagocytes play in protecting the body against infections?
A) They produce toxins to fight microorganisms
B) They inject vaccines into the body

C) They surround bacteria and destroy them

D) They produce antitoxins to neutralize toxins E) They cause leucocytosis in response to infections Question 89: How are vaccines used to establish artificial immunity? A) By injecting toxins directly into the bloodstream B) By isolating bacteria from infected tissues C) By producing leucocytosis in response to infections D) By promoting the growth of microorganisms in the body E) By injecting weakened or killed microorganisms to stimulate the body's immune response Question 90: What would happen if the human body lacked the capacity for immunity? A) It would produce more toxins in response to infections B) It would not be affected by infectious diseases C) It would suffer from all infectious diseases D) It would have a higher resistance to infections E) It would have a lower number of white blood cells Question 91: Which of the following microorganisms are classified as prokaryotes? A) Fungi B) Algae C) Protozoa D) Bacteria E) Helminthes Question 92: What distinguishes viruses from other microorganisms? A) They contain chlorophyll B) They are unicellular C) They have rigid cell walls

E) They are composed of cells

D) They can only multiply inside a host cell

Question 93: Which classification system is widely used to classify viruses?

A) Classification based on host cell
B) Classification based on nucleic acid type and replication method
C) Classification based on size and shape
D) Classification based on the presence of flagella
E) Classification based on Gram staining
Question 94: What role do helminthes play in microbiology?
A) They are single-celled organisms
B) They are used to make pharmaceuticals
C) They cause diseases in plants
D) They involve microscopic eggs and larvae
E) They infect bacteria
Question 95: Which branch of science studies viruses and virus-like agents?
A) Bacteriology
B) Mycology
C) Parasitology
D) Virology
E) Immunology
Question 96: What is the function of the alveolar processes in the oral cavity?
A) Produce saliva
B) Anchor the teeth into sockets
C) Form the hard palate
D) Act as a barrier between the oral and nasal cavities
E) Aid in speech production
Question 97: Which part of the tooth is responsible for anchoring it into the jawbone?
A) Crown
B) Root
C) Neck
D) Dentin

E) Enamel

Question 98: What is the role of the gums (gingivae) in the oral cavity?
A) Anchoring the teeth
B) Protecting the root of the tooth
C) Producing saliva
D) Forming the hard palate
E) Protecting the tongue
Question 99: Where are the parotid glands located?
A) Under the tongue
B) Under the lower jaw
C) In front of the ears
D) On the inner surface of the cheeks
E) Behind the uvula
Question 100: What is the function of saliva in the oral cavity?
A) Anchoring the teeth
B) Digesting starches
C) Protecting the root of the tooth
D) Aiding in speech production
E) Producing mucus
Question 101: Which part of the tooth is responsible for anchoring it into the jawbone?
A) Enamel
B) Dentin
C) Cementum
D) Pulp
E) Neck

Question 102: What is the function of the pulp in a tooth?

A) Anchoring the tooth in the jawbone

B) Forming a protective layer around the tooth
C) Providing structural support to the tooth
D) Sensing pain and temperature changes
E) Producing enamel
Question 103: Which substance is the outer covering of the root of a tooth?
A) Enamel
B) Dentin
C) Cementum
D) Pulp
E) Gingiva
Question 104: What is the function of the periodontal membrane?
A) Producing enamel
B) Sensing pain and temperature changes
C) Anchoring the tooth in the jawbone
D) Forming a protective layer around the tooth
E) Nourishing the tooth
Question 105: Which part of the tooth is known as the hardest substance in the body?
A) Dentin
B) Cementum
C) Pulp
D) Enamel
E) Neck
Question 106: Which teeth are used for biting?
A) Canines
B) Premolars
C) Molars
D) Incisors
E) Wisdom teeth

Question 107: How many roots do the upper first premolars typically have?
A) One
B) Two
C) Three
D) Four
E) None
Question 108: Which type of teeth are characterized by having chisel-shaped crowns?
A) Canines
B) Premolars
C) Molars
D) Incisors
E) Wisdom teeth
Question 109: What is the function of the upper first molars' extra cusp?
A) Biting
B) Chewing
C) Grinding
D) Tearing
E) Crushing
Question 110: How many cusps do lower second molars typically have?
A) Two
B) Three
C) Four
D) Five
E) It varies
Question 111: Which of the following is NOT considered a stage of physical examination?
A) General examination

B) Local examination

C) Examination of body systems
D) Laboratory analysis
E) All are stages of physical examination
Question 112: Which of the following is an example of a subjective symptom?
A) Fever
B) Edema
C) Vomiting
D) Haemorrhage
E) Headache
Question 113: What technique is used in physical examination to determine the borders of internal organs?
A) Palpation and percussion
B) Auscultation
C) Visual examination
D) Laboratory analysis
E) X-ray examination
Question 114: Which laboratory analysis can help reveal urinary tract infections?
A) Blood analysis
B) Sputum analysis
C) Urinalysis
D) Electrocardiogram
E) X-ray
Question 115: What is the purpose of performing an electrocardiogram?
A) To monitor lung function
B) To detect fractures and fissures
C) To reveal urinary tract infections
D) To monitor heart function
E) To assess thyroid function

Question 116: Which department in a district stomatological polyclinic is responsible for treating loose teeth and bleeding gums?

- A) Department of therapy
- B) Oral surgery and orthodontics department
- C) Prosthetic dentistry department
- D) Laboratory department
- E) X-ray department

Question 117: What is the purpose of dental emergency rooms in district polyclinics?

- A) To provide regular dental check-ups
- B) To perform surgeries to correct facial deformities
- C) To treat gum diseases
- D) To provide treatment for severe toothaches and dental traumas
- E) To fabricate substitutes for lost teeth

Question 118: Who would you consult if you need dentures, bridges, or crowns?

- A) Dentist
- B) Oral surgeon
- C) Orthodontist
- D) Dental mechanic
- E) Subject matter specialist

Question 119: What is the role of orthodontists?

- A) To perform surgeries to extract teeth
- B) To fabricate substitutes for lost teeth
- C) To diagnose and treat inflammation and abscesses
- D) To straighten crooked teeth using braces
- E) To administer anesthetics

Question 120: How often should people visit a dentist for early diagnoses and treatment?

- A) Once a year
- B) Twice a year
- C) Once every two years

- D) Only when they experience pain
- E) Only when they have loose teeth