

- 01.** Which kidney Disease is a "Global Public Health" Problem Worldwide ?
- (1) Acute Kidney Injury (AKI)
 - (2) Kidney Stone
 - (3) Chronic Kidney Disease (CKD)
 - (4) Renal Papillary Necrosis
- 02.** Which Virus affects mainly Human Immune System ?
- (1) Hepatitis A Virus (HAV)
 - (2) Parvo Virus B19
 - (3) Cytomegla Virus (CMV)
 - (4) Human Immunodeficiency Virus (HIV)
- 03.** Which BHU Alumnus is honoured with "Bharat Ratna" ?
- | | |
|---------------------|-------------------------|
| (1) Prof.K.N.Udappa | (2) Prof.O.N.Srivastava |
| (3) Prof.C.N.R.Rao | (4) Prof.R.D.Dwivedi |
- 04.** Which of the following drug is used as "Immunosuppression" ?
- | | |
|-------------------|------------------|
| (1) Citrofloxacin | (2) Aspirin |
| (3) Ampicellin | (4) Cyclosporine |
- 05.** The Probability of a particle to cross a barrier of height more than the kinetic energy of the particle is :
- | | |
|--------------------------|---------|
| (1) zero | (2) one |
| (3) between zero and one | (4) 50% |

- 06.** Deficiency of which of the following mineral nutrients induces dental carries and mottled enamel ?
- (1) Molybdenum (2) Cobalt
(3) Fluorine (4) Iron
- 07.** Oxidation number of Iodine is highest in which compound ?
- (1) KI (2) KI₃
(3) IF₅ (4) KIO₄
- 08.** In which part of our body, antibodies are formed ?
- (1) Brain (2) Lungs
(3) Bone marrow (4) Spleen
- 09.** Which of the following sensations is not generated by impulses initiated in naked nerve endings ?
- (1) Touch (2) Pain
(3) Cold (4) Smell
- 10.** Sound cannot travel through :
- (1) Air (2) Water
(3) Fire (4) Vacuum
- 11.** Klumpke's palsy involves all except :
- (1) C6 (2) C7
(3) C8 (4) T1

12. Pleural tapping in mid-axillary line, muscle not pierced is :
- (1) Internal intercostals (2) External intercostals
(3) Innermost intercostals (4) Transversus thoracis
13. Middle meningeal artery is transmitted through :
- (1) Foramen Rotundum (2) Foramen Ovale
(3) Foramen Spinosum (4) Foramen Lacerum
14. All are motor nerves except :
- (1) Accessory (2) Abducent
(3) Trochlear (4) Trigeminal
15. The total volume of CSF is :
- (1) 50 ml (2) 100 ml
(3) 150 ml (4) 275 ml
16. Mitral cells are present in :
- (1) Kidney (2) Mitral Valve
(3) Olfactory Tract (4) Optic Nerve
17. All are fibrous joints except :
- (1) Skull Sutures (2) Tooth Socket
(3) Inferior Tibiofibular joint (4) Symphysis pubis

18. Neural crest derivatives are all except :
- (1) Melanocytes (2) Schwann Cells
(3) Thyroid Follicular Cells (4) Parafollicular C cells
19. Substances which do not cross the placental membranes are all except :
- (1) IgG (2) IgA
(3) IgM (4) IgE
20. Double barr body is seen in :
- (1) Turner's Syndrome (2) Klienfilter's Syndrome
(3) XXX Syndrome (4) Down's Syndrome
21. Combined action of which muscle cause intorsion of the eye ?
- (1) Superior oblique & superior rectus
(2) Superior rectus & inferior rectus
(3) Inferior rectus & inferior oblique
(4) Inferior oblique & superior oblique
22. All of the following muscles have bony attachments except :
- (1) Procerus (2) Orbicularis oculi
(3) Risorius (4) Platysma

- 23.** Which nerve is related to the neck of the mandible ?
- (1) Auriculotemporal (2) Masseteric
(3) Inferior alveolar (4) Lingual
- 24.** Facial nerve is functionally related to all of the following ganglia except :
- (1) Pterygopalatine (2) Otic
(3) Geniculate (4) Submandibular
- 25.** Which artery grooves the medial surface of the mastoid bone ?
- (1) Cerebral (2) Occipital
(3) Posterior auricular (4) Deep cervical
- 26.** Internal jugular vein is a continuation of which sinus ?
- (1) Superior petrosal (2) Cavernous
(3) Sigmoid (4) Transverse
- 27.** Paralysis of the soft palate leads to all of the following except :
- (1) Nasal twang in voice
(2) Nasal regurgitation
(3) Deviation of uvula to the affected side
(4) Flattening of palatal arch

28. At the level of which one of the following tooth, modiolus of the mouth lies ?
- (1) Upper first premolar (2) Upper second premolar
(3) Upper second molar (4) Lower second molar
29. Which one of the following is called as safety muscle of the larynx ?
- (1) Transverse arytenoids (2) Cricothyroid
(3) Posterior cricoarytenoid (4) Lateral cricoarytenoid
30. What is the average length of the spinal cord in centimeters ?
- (1) 45 (2) 55
(3) 65 (4) 75
31. Mode of secretion of sebaceous gland is :
- (1) Apocrine (2) Merocrine
(3) Holocrine (4) Ecrine
32. Osteogenesis imperfecta is an example of the :
- (1) Autosomal recessive trait (2) Autosomal dominant trait
(3) X-linked dominant trait (4) X-linked recessive trait
33. Veins are an example of the :
- (1) Conducting vessel (2) Distributing vessels
(3) Capacitance vessel (4) Resistance vessel

39. The juxtaglomerular apparatus consists of :
- | | |
|--------------------|---------------------|
| (1) Macula densa | (2) Collagen fibers |
| (3) Lipid droplets | (4) Elastic fibres |
40. The joint between head of ribs and bodies of thoracic vertebrae is:
- | | |
|---------------------------|-----------------------------|
| (1) Primary cartilaginous | (2) Secondary cartilaginous |
| (3) Synovial | (4) Fibrous |

Short Answer Questions

Note: Attempt any **five** questions. Write answer in **150-200** words. Each question carries **16** marks. Answer each question on separate page, after writing Question Number.

01. Cell surface receptors.
02. Ultra structure of conduction tissues of heart
03. Fluorescence microscopy
04. Ectopic thyroid gland and thyroglossal cyst
05. Steps involved in invitro fertilisation
06. Microstructure of kidney
07. Microstructure of cerebral hemisphere
08. Lethal dose-50
09. Human stem cells
10. Describe briefly the blood supply and age changes in uterus