

!! JAY AMBE !!

MULTIPLE CHOICE
QUESTION AND ANSWER

D. PHARMACY FIRST YEAR
SUBJECT NAME: HUMAN ANATOMY AND PHYSIOLOGY
SUBJECT CODE: 410005

PREPARED BY

DR. NAITIK D. TRIVEDI,
M. PHARM, PH. D
LECTURER AT GOVERNMENT AIDED,
A. R. COLLEGE OF PHARMACY AND G. H. PATEL INSTITUTE OF
PHARMACY, VALLABH VIDYANAGAR, ANAND.

Mobile: +91 - 9924567864

E-mail: mastermindnaitik@gmail.com

&

DR. UPAMA N. TRIVEDI,
M. PHARM, PH. D
ASSOCIATE PROFESSOR & HoD (Pharm.D),
INDUBHAI PATEL COLLEGE OF PHARMACY AND
RESEARCH CENTRE, DHARMAJ.

E-mail: ups.aasthu@gmail.com

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

NOTE: BOLD MARK INDICATE THE RIGHT ANSWER

- _____ is the largest organelles of the cell.
a) **Nucleus** b) Mitochondria c) Golgi Apparatus d) Ribosomes
- _____ is the largest organelles of the cytoplasm.
a) Nucleus **b) Mitochondria** c) Golgi Apparatus d) Ribosomes
- Plasma membrane consist _____ amount of phospholipids.
a) 30 % b) 10 % **c) 75 %** d) 100 %
- _____ is known as power house of cell.
a) Lysosomes **b) Mitochondria** c) Nucleus d) Ribosomes
- _____ bind to amino acid during translation
a) **t-RNA** b) r-RNA c) m-RNA d) DNA
- In Cell division Cytoplasmic division known as
a) Mitosis b) Telophase c) Metaphase **d) Cytokinesis**
- _____ tissue cover the body surface and line the internal organs.
a) Muscular **b) Epithelial** c) Nervous d) Connective
- _____ gland produce the milk.
a) Mammary b) Thyroid c) Pituitary d) Adrenal
- In ear wax type of secretion produce by _____ gland
a) Mammary b) Thyroid c) Pituitary **d) Ceruminous**
- _____ is the area of highest visual activity or resolution.
a) Central fovea b) Blind spot c) Lens d) Rods receptors.
- _____ receptor is useful for color vision
a) Rod **b) Cone** c) Muscarinic d) Nicotinic
- _____ muscles contraction produce dilation of pupils (Mydriasis).
a) Circulatory muscles b) Spinctor papillae
c) Constrictor papillae **d) Radial muscles**
- _____ muscles contraction produce constriction of pupils (Meiosis).
b) Skeletal muscles **b) Spinctor papillae**
c) Cardiac muscle d) Radial muscles
- Intraocular tension normally stay about _____
a) **10 mmhg** b) 16 mmhg c) 25 mmhg d) 100 mmhg
- In the middle ear, hammer shaped bone is known as _____.
a) Incus **b) Malleus** c) Stapes d) Temporal bone
- In the middle ear, Anvil shaped bone is known as _____.

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

- a) **Incus** b) Malleus c) Stapes d) Temporal bone
17. In the middle ear, Stirrup shaped bone is known as _____.
- a) Incus b) Malleus **c) Stapes** d) Temporal bone
18. Smallest bone of the body is
- a) Malleus b) Incus **c) Stapes** d) Femur
19. Human body consist _____ number of bones.
- a) 208 b) 204 **c) 206** d) 210
20. How many numbers of bones are present in vertebral column?
- a) 26** b) 24 c) 28 d) 12
21. Lumbar vertebrae consist how many numbers of vertebrae
- a) 5** b) 7 c) 31 d) 12
22. Thoracic vertebrae consist how many numbers of vertebrae
- a) 5 b) 7 c) 31 **d) 12**
23. Cervical vertebrae consist how many numbers of vertebrae
- a) 5 **b) 7** c) 31 d) 12
24. Which numbers of ribs are known as floating ribs?
- a) 1-7 b) 8-9 c) 9-11 **d) 11-12**
25. Longest bone of the body is
- a) Tibia b) Fibula c) Humerus d) Femur
26. Pons is the parts of _____
- a) Brain stem** b) Diencephalon c) Cerebellum d) Cerebrum.
27. During the embryonic development midbrain is developed from ?
- a) Rhombencephalon **b) Mesencephalon** c) Procencephalon d) Telencephalon
28. Brain consist _____ amount of neuron.
- a) 1 million **b) 100 billion** c) 1000 billion d) 10 million
29. Spinal cord consist _____ amount of neurons.
- a) 1 million b) 100 billion c) 1000 billion **d) 100 million**
30. Entire nervous system consist how much amount of Cerebrospinal Fluid?
- a) 10 mL **b) 80 - 150 mL** c) 300 mL d) 5 Liters
31. Select the correct name for the cranial nerve - I
- a) Olfactory** b) Optic c) Facial d) Vagus
32. Select the correct name for the cranial nerve - II
- a) Olfactory **b) Optic** c) Facial d) Vagus
33. Select the correct name for the cranial nerve - VII

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

- a) Olfactory b) Optic c) **Facial** d) Vagus
34. Select the correct name for the cranial nerve - X
a) Olfactory b) Optic c) Facial d) **Vagus**
35. Which part of the brain is the largest part?
a) **Cerebrum** b) Cerebellum c) Hypothalamus d) Thalamus
36. Select the correct number for spinal nerve
a) **31** b) 100 c) 17 d) 11
37. Ach produce meiosis in eye by acting on _____ receptor
a) **M₃** b) M₂ c) β_2 d) α_1
38. Ach produce decrease in heart beat by acting on _____ receptor
a) M₃ b) **M₂** c) β_2 d) β_1
39. Adrenalin produce increase in heart beat by acting on _____ receptor
a) M₃ b) M₂ c) β_2 d) **β_1**
40. _____ % of blood present in human body of the total body weight
a) **8** b) 72 c) 108 d) 90
41. _____ % of plasma present in total amount of blood
a) **55** b) 45 c) 72 d) 90
42. In blood _____ cell nucleus is look like kidney shaped
a) **Monocyte** b) Lymphocyte c) Basophil d) Neutrophil
43. _____ blood group is known as universal donor according to Rh factor.
a) **O^{-ve}** b) O^{+ve} c) AB^{+ve} d) AB^{-ve}
44. _____ blood group is known as universal acceptor according to Rh factor.
a) O^{-ve} b) O^{+ve} c) **AB^{+ve}** d) AB^{-ve}
45. Blood consist _____ amount of platletes
a) **250,000 – 400,00 mm³** b) 4000 – 11000 mm³ c) 11000 mm³ d) 250 mm³
46. _____ process in hemopoiesis produce platelets.
a) **Megakaryoblasts** b) Myeoblasts c) Lymphoblasts d) Monoblasts
47. _____ amount of neutrophils present in
a) 20 – 25 % b) **60 – 70 %** c) 3 – 8 % d) 2 – 4 %
48. In human body O₂ is transported by _____
a) **Heme** b) Globin c) Platelets d) WBCs
49. In human body CO₂ is transported by _____
a) Heme b) **Globin** c) Iron d) WBCs
50. In human body Nitric Oxide is transported by _____

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

- a) Heme **b) Globin** c) Iron d) WBCs
51. Globin is made up by _____ amount of polypeptides chain.
a) Two b) Three **c) Four** d) One
52. Platelets lives for how many number of days _____
a) 4-9 b) 1 c) 72 d) 120
53. RBC lives for how many number of days _____
a) 120 b) 1 – 3 c) 72 d) 1000
54. RBCs and WBCs are measured by _____
a) Neubars chamber b) Statoscope c) Thermometer d) Spirometer
55. Normal amount of WBC in healthy human is
a) 4-11000/Cmm **b) 4000-11000/Cmm** c) 4.5 million/Cmm d) 500/Cmm
56. Normal amount of RBC in healthy human is
a) 4-11000/Cmm b) 4000-11000/Cmm **c) 4.5 million/Cmm** d) 500/Cmm
57. Normal amount of Platelets in healthy human is
a) 2,50,000-4,00,000/Cmm b) 4000-11000/Cmm c) 4to6 million/Cmm d) 500/Cmm
58. Normal Bleeding time of blood is
a) 1-3 minutes b) 4-10 minutes c) 72 minutes d) 100 minutes
59. Normal Clotting time of blood is
a) 1-3 minutes **b) 4-10 minutes** c) 72 minutes d) 100 minutes
60. Color index =
a) Hb%/RBC% b) RBC%/Hb% c) HbG%/RBC% d) RBC%/HbG%
61. Normal color index is between
a) 0.85-1.15 b) 1.85-2.15 c) 10-11 d) 14.5-17.5
62. 1 gm of Hb carries _____ of O₂
a) 1.34 cc b) 72 cc c) 108 cc d) 2.34 cc
63. Chief cell of stomach secret
a) HCL b) Histamine **c) Pepsin** d) Gastrin
64. Ph of saliva is
a) 3-4 b) 7.2 - 7.7 **c) 6.2 – 7.2** d) 10 - 11
65. Nasopharynx consist how many number of opening in their wall
a) 5 b) 6 c) 11 d) 2
66. Larynx consist how many number of cartilage
a) 7 b) 6 **c) 9** d) 2
67. Each minute adult human doing how many number of respiration?

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

- a) 7 **b) 12** c) 9 d) 2
68. What is tidal volume?
a) **500 mL** b) 6000 mL c) 1200 mL d) 3600 mL
69. Right lung is _____ than left lungs.
a) **Thicker and broader** b) Thinner and narrow
c) Thicker and narrow d) Thinner and broader
70. _____ is minute volume of respiration.
a) 1200 mL **b) 6000 mL** c) 2400 mL d) 500 mL
71. In the calculation of total lungs volume capacity, Inspiratory capacity occupy _____ amount of air.
a) 1200ml **b) 3600ml** c) 2400ml d) 4800ml
72. Active form of Vitamin D3 produce by kidney is
a) Calcium **b) Calcitriol** c) Acetylcholine d) Adrenalin
73. Each kidney consist how many number of nephron
a) 100 million b) 10 billion **c) 1 million** d) 10 million
74. Normal capacity of urinary bladder to store urine is
a) **400 - 600 mL** b) 100 mL c) 6000 mL d) 1000 mL
75. What is net filtration pressure of kidney?
a) **10 MmHg** b) 110 MmHg c) 45 MmHg d) 30 MmHg
76. How much amount of urine is filtered by kidney in each day?
a) 180 mL **b) 180 Liters** c) 1000 mL d) 10 Liters
77. Name the fat soluble hormone
a) Dopamine b) Thyroid c) Adrenalin d) Nor adrenalin
78. Name the protein hormone.
a) Dopamine **b) Thyroid** c) Insulin d) Nor adrenalin
79. Which muscles produce wrinkle like structure on scrotum ?
a) **Dartos muscle** b) Skeletal Muscle c) Cardiac Muscle d) Adipose muscle
80. What is the Ph of semen? *
a) **7.2 - 7.7** b) 3-6 c) 10-11 d) 1-3
81. Ejaculated sperm most probably do not survive more than ___ out of vagina.
a) 1 months **b) 2 hrs** c) 48hrs d) 120 days
82. Each day healthy male produce how many number of sperm ?
a) **300 million** b) 1000 billion c) 20 million d) 1 million
83. When the number of sperm falls below _____, the male is likely to be infertile.

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

- a) **20 million/ml** b) 200 million/ml c) 50-150 million/ml d) 100 million/ml
84. Ph of female vagina is
a) **Acidic** b) Basic c) Neutral d) None of these
85. Pregnancy is confirmed by which enzyme in urine or blood
a) **Human chorionic gonadotropin (hCG)** b) Adrenaline
c) Testosterone d) Progesterone
86. In the Net Filtration Pressure, Blood Colloidal Osmotic Pressure is _____.
a) **30 MmHg** b) 10 MmHg c) 55 MmHg d) 15 MmHg
87. Kidney consist _____ amounts of juxtamedullary nephrons.
a) 25- 30 % **b) 15 – 20 %** c) 80 – 85 % d) 5 – 10%
88. Kidney consist _____ amounts of cortical nephrons.
a) 25- 30 % b) 15 – 20 % **c) 80 – 85 %** d) 5 – 10%
89. Aqueous humor is completely replaced about every _____.
a) **90 minutes** b) 15 minutes c) 10 minutes d) 1minutes
90. Partial pressure of carbon dioxide in alveoli is _____.
a) 160 mmhg b) 105 mmhg **c) 40 mmhg** d) 45 mmhg
91. Each kidney consist _____ amount of minor calyces.
a) 4-6 b) 2-3 c) 21- 30 **d) 8 – 18**
92. Each lacrimal gland produce about _____ amount per day of lacrimal secretion.
b) 10 ml b) 20ml c) 90 ml **d) 1ml**
93. In the ECG, P – wave indicates.
a) **Atrial depolarization** b) Ventricle Depolarization
c) Ventricle repolarization d) Atrial depolarization.
94. In the ECG, T – wave indicates.
a) Atrial depolarization b) Ventricle Depolarization
c) Ventricle repolarization d) Atrial depolarization.
95. In the ECG, QRS complex wave indicates.
a) Atrial depolarization **b) Ventricle Depolarization**
c) Ventricle repolarization d) Atrial depolarization.
96. _____ valves consist two cups in heart
a) **Mitral** b) Pulmonary Semilunar c) Aortic Semilunar d) Right AV
97. Stroke volume eject _____ amount of blood
a) **70 mL** b) 130 mL c) 10 mL d) 15 mL

HUMAN ANATOMY AND PHYSIOLOGY – MULTIPLE CHOICE QUESTIONS

98. Normal Pulse rate of healthy human is
a) 72 - 75 b) 100 c) 12 d) 120
99. Normal beat of heart per minute is
a) 72 b) 100 c) 12 d) 120
100. Normal blood pressure of the body is
a) **Systolic 120 & diastolic 80 mmhg** b) Diastolic 80 & systolic 120 mmhg
c) Systolic 80 & diastolic 120 mmhg b) Diastolic 120 & systolic 80 mmhg