1. Blood platelets are found only in the blood of : **[UTTARACHAL PMT - 2004]**
(1) Birds (2) Reptiles
(3) Mammals (4) Amphibians

2. Ligament connects : **[UTTARACHAL PMT - 2004]**
(1) Bone to bone (2) Bone to muscle
(3) Muscle to muscle (4) Both 'b' and 'c'

3. Mammary glands are modified : **[UTTARACHAL PMT - 2004]**
(1) Sweat gland (2) Sebaceous gland
(3) Lacrymal gland (4) Endocrine gland

4. The term haematocrit means : **[UTTARACHAL PMT - 2006]**
(1) The percentage of blood that is red blood cells
(2) The ratio of blood volume to extracellular space
(3) The percentage of new blood cells formed every 120 days
(4) The percentage of blood that is white blood cells

5. What is the main difference in human and frog RBC? **[UTTARACHAL PMT - 2006]**
(1) Human RBC are non – nucleated
(2) Haemoglobin is found only in human RBC
(3) Human RBC have nucleus
(4) Human RBC are multinucleated

6. Prothrombin is found in : **[UTTARACHAL PMT - 2006]**
(1) Intestine and helps in cellulose digestion
(2) Liver and helps in production of life
(3) Blood and gives red colour
(4) Blood and helps in blood clotting

7. Which type of WBCs are most abundant in blood of rabbit and other vertebrates? **[UTTARACHAL PMT - 2006]**
(1) Acidophils (2) Basophils
(3) Lymphocytes (4) Neutrophils

8. Blood clotting in a test tube can be prevented by adding a little of : **[UTTARACHAL PMT - 2006]**
(1) Sodium oxalate
(2) Sodium chloride
(3) Sodium hydroxide
(4) Ammonium chloride

9. Oval, biconvex and nucleated RBCs are found in **[UTTARACHAL PMT - 2006]**
(1) Camel (2) Rabbit
(3) Man (4) Rat

10. Which of the following is an anticoagulant and checks blood coagulation in blood vessels ? **[UTTARACHAL PMT - 2006]**
(1) Prothrombin (2) Globulin
(3) Thromboplastin (4) Heparin

11. In normal healthy female, the number of RBC / mm3 of blood is : **[UTTARACHAL PMT - 2006]**
(1)6.5-7.0 million (2) 5.5-6.0 million
(3) 4.5-5.0 million (4) 3.5-4.0 million

12. The tissue which forms the basic structure of lymphoid organs , spleen etc, is : **[UTTARACHAL PMT - 2006]**
(1) Lymphoid tissue (2) Cartilage tissue
(3) Elastic tissue (4) Areolar tissue

13. Which of the following should be avoided in biological marriages **?** **[UTTARACHAL PMT - 2006]**
(1) A^+ boy and A^+ girl (2) A^+ boy and A^- girl
(3) O^+ boy and O^+ girl (4) O^- boy and O^+ girl

14. After examining the blood group of husband and wife, the doctor advised them not to have more than one child. The blood groups of the couple are likely to be : **[UTTARACHAL PMT - 2006]**
(1) Male Rh^- and female Rh^+
(2) Female Rh^- and male Rh^+
(3) Male Rh^+ and female Rh^+
(4) Male Rh^- and female Rh^-

15. Blood colloidal osmotic pressure is maintained by **[WEST BENGAL JEE - 2007]**
(1) Albumin (2) Globulin
(3) Fibrinogen (4) Thrombin

16. Haversian canal is situated in **[WEST BENGAL JEE - 2007]**
(1) Glandular connective tissue
(2) Skeletal connective tissue
(3) Fibrous connective tissue
(4) Nervous tissue

17. Histamine is secreted by : **[WEST BENGAL JEE - 2007]**
(1) Neutrophils (2) Basophils
(3) Leucocytes (4) Monocytes

18. Which one of the following is agranulocyte ? **[JHARKHAND-2006]**
(1) Neutrophils (2) Eosinophil
(3) Basophil (4) Monocute

19. Stratified squammous epithelium is found in : **[JHARKHAND-2006]**
(1) Pharynx (2) Trachea
(3) Ileum (4) Bowman's capsule

20. During the process of blood coagulation vitamin K helps in the : **[JHARKHAND-2004]**
(1) Formation of thromboplastin
(2) Formation of prothrombin
(3) Conversion of prothrombin to thrombin
(4) Conversion of fibrinogen to fibrin

21. In mature RBC, nucleus is present in : **[JHARKHAND-2004]**
(1) Frog
(2) Rabbit
(3) Both 'a' and 'b'
(4) Neither in frog nor in rabbit

22. ABO blood group system is given by : **[BIHAR-2005]**
(1) Landsteiner (2) Wailace
(3) De Vries (4) Lamarch

23. Which of the following , does not help in clotting of blood ? **[BIHAR-2004]**
(1) Heparin (2) Prothrombin
(3) Ca^{2+} (4) Exposure to O_2

24. Collagen fibres are secreted by : **[BIHAR-2004]**
(1) Mast cells (2) Macrophage
(3) Histiocytes (4) Fibroblasts

25. Haversian canal is found in the bone of : **[BIHAR-2003]**
(1) Mammals (2) Reptiles
(3) Aves (4) Pices

26. Haematocrit value gives : **[BIHAR-2001]**
(1) Amount of RBC in blood
(2) Number of WBC in blood
(3) Amount of plasma in blood
(4) Haemoglobin concentration

27. Tendons and ligaments are specialized types of **[UP-CPMT-2003]**
(1) Nervous tissue
(2) Epithelial tissue
(3) Muscular tissue
(4) Fibrous connective tissue

28. Which one of the following is a transparent tissue? **[UP-CPMT-2002]**
(1) Tendon (2) Ligament
(3) Fibrous cartilage (4) Hyaline cartilage

29. Ciliated epithelium is present in **[UP-CPMT-2002]**
(1) Trachea (2) Ureter
(3) Intestine (4) Nasal chamber

30. Difference between bone and cartilage is **[UP-CPMT-2002]**
(1) Haversian canal (2) Blood vessel
(3) Lymph vessel (4) None of these

31. Minimum regeneration power is present in **[UP-CPMT-2002]**
(1) Nervous tissue (2) Connective tissue
(3) Epithelial tissue (4) None of these

32. Which one of the following couple were suggested by Doctors to not have more than one child **[UP-CPMT-2002]**
(1) Rh^+ male and Rh^+ female
(2) Rh^- male and Rh^+ female
(3) Rh^+ male and Rh^+ female
(4) Rh^- male and Rh^- female

33. The pH of blood is : **[UP-CPMT-2003]**
(1) Between 7 – 8 (2) Between 2 – 4
(3) Between 12 – 14 (4) Between 2 – 5

34. Histamine is secreted by : **[UP-CPMT-2003]**
(1) Goblet cell (2) Nerve cell
(3) Kupffer cell (4) Mast cell

35. Universal blood recipient is : **[MP-PMT-2003,06]**
(1) Blood group – O (2) Blood group – AB
(3) Blood group – A (4) Blood group – B

36. Life span of RBC is : **[UP-CPMT-2003]**
(1) 50 days (2) 70 days
(3) 120 days (4) 220 days

37. During blood clotting which of the following is used **[UP-CPMT-2003]**
(1) Co (2) Ca^{++}
(3) Na^+ (4) Cl^-

38. Haemoglobin contains **[UP-CPMT-2003]**
(1) Fe^{++} (2) Mg^{++}
(3) Na^{++} (4) Ca^{++}

39. Which of the following does not play a role in blood coagulation ? **[UP-CPMT-2004]**
(1) Vitamin K (2) Vitamin D
(3) Calcium ions (4) Fibrinogen

40. Which of the following cells of connective tissue secrete antibodies? **[UP-CPMT-2005]**
(1) Mast cells (2) Reticular cells
(3) adipose cells (4) Plasma cells

41. Th**e** cavities of brain are lined by **[UP-CPMT-2006]**
(1) Cuboidal cells
(2) Polygonal cells
(3) Ependymal cells
(4) Simple squamous cells

42. Ligament is mainly made up to **[MP-PMT-2007]**
(1) Reticulin (2) Elastin
(3) Myosin (4) Collagen

43. Which is a sesamoid bone? **[MP-PMT-2007]**
(1) Patella (2) Femur
(3) Ulna (4) Pterygoid

44. Mammary glasnds are modified : **[MP-PMT-2004]**
(1) Sweat glands (2) Sebaceous glands
(3) Cutaneous glands (4) Scent glands

45. Anaemia disease is caused by : **[MP-PMT-2006]**
(1) Deficiency of Fe (2) Deficiency of Na
(3) Deficiency of Ca (4) Deficiency of Mg

46. The main function of ligament is : **[MP-PMT-2001, 06]**
(1) Joining of two bones
(2) Joining of muscles
(3) Joining of muscles to bone
(4) Joining of muscle to nerves

47. The following are needed for blood clotting : **[MP-PMT-2001]**
(1) Ca^{++} and Vitamin E
(2) Ca^{++} and vitamin K
(3) Ca^{++} and Vitamin A
(4) K^{+} and Vitamin K

48. The type of epithelium found in conjunctive of eye is **[MP-PMT-2001]**
(1) Stratified cuboidal
(2) Stratified columnar
(3) Stratified squamons
(4) Transitional

49. Haversian canals are found in the : **[Mp-PMT-2001]**
(1) Bones of birds
(2) Bones of mammals
(3) Bones of frog
(4) Cartilage

50. It is not found in the Red Blood corpuscles of humanbeing : **[MP-PMT-2001]**
(1) Haemoglobin (2) Plasmalemma
(3) Nucleus (4) Cytoplasm

51. Life-span of human R.B.C. is **[MP-PMT-2001]**
(1) 120 days (2) 90 days
(3) 2 – 3 days (4) 20 days

52. Volkmann's canals are found in : **[MP-PMT-2001]**
(1) Bones of birds
(2) Bones of amphilbians
(3) Bones of mammals
(4) Cartilage of mammals

53. An example of merocrine gland is **[MP-PMT-2001]**
(1) Sebaceous gland (2) Pineal gland
(3) Salivary gland (4) Mammary gland

54. Bones formed by ossification of a tendon is called **[MP-PMT-2002]**
(1) Membrane bone (2) Sesamoid bone
(3) Dermal bone (4) Cartilage

55. Epithelial tissue are arise from : **[MP-PMT-2002]**
(1) Ectoderm (2) Endoderm
(3) Mesoderm (4) All the aboves

56. The percentage of Hb in RBC is ; **[MP-PMT-2003]**
(1) 48% (2) 34%
(3) 10% (4) 20%

57. White adipose tissue contains : **[MP-PMT-2003]**
(1)Multilocular fat cells
(2) Bilocular fat cells
(3) Unilocular fat cells
(4) alocular fat cells

58. In human fibrous cartilage is found abundantly **[MP-PMT-2003]**

(1) Hyaline cartilage of joints
(2) Nostrils
(3) Intervertebral discs
(4) External ear

59. Which of the following is enucleated? **[MP-PMT-2003]**

(1) Squamous epithelial cell
(2) Mature human erythrocyte
(3) Mature human leucocyte
(4) Mature frog erythrocyte

60. Which one of the following anticoagulant is added in blood during storage? **[MP-PMT-2003]**

(1) Sodium carbonate
(2) Sodium oxalate
(3) S4odium chloride
(4) Sodium hydroxide

STATE PMT EXAMS EXERCISE — ANSWER KEY

Q.	1	2	3	4	5		7	8	9	10	11	12	13	14	15	16	17	18	19	20
A.	**3**	**1**	**1**	**1**	**1**	**4**	**4**	**1**	**1**	**4**	**3**	**1**	**2**	**2**	**1**	**2**	**2**	**4**	**1**	**2**
Q.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
A.	**1**	**1**	**4**	**1**	**1**	**4**	**4**	**1**	**1**	**1**	**1**	**1**	**1**	**4**	**2**	**3**	**2**	**1**	**2**	**4**
Q.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
A.	**3**	**2**	**1**	**1**	**1**	**1**	**2**	**1**	**2**	**3**	**1**	**3**	**3**	**2**	**4**	**2**	**3**	**3**	**2**	**2**