



# BLOOD

Raashid Jamaal

- The matrix of blood is known as
  - Plasma
  - Serum
  - RBC and WBC
  - Platelets
- The life span of RBC is
  - 100 days
  - 110 days
  - 120 days
  - 130 days
- The ratio of WBC:RBC in human blood is
  - 1:60
  - 1:600
  - 1:6000
  - 1: 60000
- During blood coagulation, thromboplastin is released by
  - RBC
  - Blood Plasma
  - Leucocytes
  - Platelets
- The normal level of HB per ml of blood in women is
  - 14 g
  - 18 g
  - 20 g
  - 10 g
- Blood circulation was first explained by
  - Jenner
  - Harvey
  - Mendel
  - Pasteur
- Normal blood pressure of a healthy person is
  - 120/100
  - 110/90
  - 120/80
  - 120/90
- What is the name of iron-containing proteins that give red colour to blood?
  - Hemocyanin
  - Cytochrome
  - Hemoglobin
  - Myoglobin
- Which of the following is the body's largest blood vessel?
  - Aorta
  - Capillaries
  - Pulmonary Vein
  - Heart
- Which of the following are the components of blood?
  - Plasma and WBC's
  - Blood cells and Platelets
  - Gases and other dissolved substances
  - All of the above
- The \_\_\_\_\_ produces red blood cells, which transports \_\_\_\_\_ and some \_\_\_\_\_.
  - Liver, oxygen, mineral ions
  - Liver, oxygen, carbon dioxide
  - Bone marrow, oxygen, hormones
  - Bone marrow, oxygen, CO<sub>2</sub>
- Which of these is required for the conversion of prothrombin into active thrombin?
  - Ca<sup>2+</sup>
  - Fe<sup>2+</sup>
  - Mg<sup>2+</sup>
  - Mn<sup>2+</sup>
- The process of formation of red blood cells is called
  - Haemolysis
  - Haemocytolysis
  - Haemocytosis
  - Haemopoiesis
- The blood clot is mainly due to
  - Plasma and RBC
  - Plasma and thrombocytes
  - Heparin and corpuscles
  - Fibrin and corpuscles
- Blood platelets are present in the blood of
  - Fishes
  - Reptiles
  - Mammals
  - Amphibians
- Which of the following lacks blood supply?
  - Bone
  - Cartilage
  - Connective tissues
  - None of the above
- Which blood corpuscle is largest in diameter?
  - Neutrophil
  - Monocyte
  - Lymphocyte
  - Platelets
- Out of these, protein percentage is highest in
  - Plasma
  - Lymph
  - Blood
  - WBC
- Heparin is secreted by
  - Kidney
  - Blood cells
  - Nerve cells
  - Liver

Answers:

1. (a) 2. (c) 3. (b) 4. (d) 5. (a) 6. (b) 7. (c) 8. (c)  
 9. (a) 10. (d) 11. (d) 12. (a) 13. (d) 14. (d) 15. (c) 16. (b)  
 17. (b) 18. (c) 19. (d)

Contributed by Raashid Jamaal, Nana Sahab Ka Bara Bajaria-Dholpur, Rajasthan-328001



# ONCOLOGY

Femina Anjum

- Oncology is the branch of medicine that researches, identifies and treats**
  - Cancer
  - Asthma
  - Fever
  - None of the above
- A physician who works in the field of oncology is**
  - Chemist
  - Oncologist
  - Nutritionist
  - Psychiatrist
- The diagnosis of cancer is usually carried out by**
  - Blood tests
  - Biopsy and endoscopy
  - X-ray and MRI
  - All of the above
- Cancer begins when cells in a part of the body start to grow**
  - Controlled
  - Uncontrolled
  - Both of the above
  - None of the above
- Common symptoms that point towards a cancer include**
  - Fatigue and weight loss
  - Unexplained anaemia
  - Fever of unknown origin
  - All of the above
- Oncology is often linked with hematology, which is the branch of medicine that deals with**
  - Muscles
  - Brain
  - Blood and blood-related disorders
  - Skin
- Chemotherapy is given for**
  - Destruction of cancer cells
  - Immobilization of cells
  - Blood clotting
  - None of the above
- The treatment which is gaining popularity for cancer treatment is**
  - Hormone therapy
  - Radiation therapy
  - Monoclonal antibody treatment
  - None of the above
- The medical speciality that focuses on cancer care for children is**
  - Pediatric oncology
  - Toxicology
  - Oncology
  - Gerontology
- The risk factors for cancer are**
  - Alcohol and tobacco
  - Obesity and age
  - Immunosuppression and oncogenic substances
  - All of the above
- Infectious agents that can cause cancer are**
  - Oncoviruses
  - Mycoplasma
  - Fungi
  - Only mycoplasma
- Treatment of cancer with chemotherapy, targeted therapy, immunotherapy, and hormonal therapy is**
  - Surgical oncology
  - Radiation oncology
  - Medical oncology
  - Clinical oncology
- The risk of cancer is much higher for those**
  - Who smoke and drink alcohol
  - With bad eating habits
  - With low physical activity
  - With increased cholesterol level
- The median age of cancer diagnosis is**
  - 52 years
  - 34 years
  - 66 years
  - 78 years
- The viruses that can cause cancer**
  - DNA viruses
  - RNA viruses
  - Both DNA and RNA viruses
  - None of the above
- Abnormal cell growth with the potential to invade or spread to other parts of the body**
  - Metastasis
  - Hypostasis
  - Hemostasis
  - Venostasis
- The tumours which do not spread**
  - Malignant
  - Benign
  - Both of the above
  - None of the above
- The vast majority of cancers are**
  - Non-hereditary
  - Sporadic
  - Both of the above
  - None of the above
- Some hormones play a role in the development of cancer by promoting**
  - Cell proliferation
  - Growth
  - Height
  - Weight

#### Answers:

1. (a) 2. (b) 3. (d) 4. (b) 5. (d) 6. (c) 7. (a)  
8. (c) 9. (a) 10. (d) 11. (a) 12. (c) 13. (a) 14. (c)  
15. (c) 16. (a) 17. (b) 18. (c) 19. (a)

Contributed by Femina Anjum, PhD scholar (Animal Biotechnology), Rajasthan University of Veterinary and Animal Sciences, Near Char Perron Ki Dargha, Sadul Colony, Bikaner, Rajasthan-334001. Email: feminaanjum@gmail.com