



**श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम , केरल- 695 011**  
**(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)**  
**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM**  
**KERALA – 695 011**

**Entrance Examination 2020- MD \_ Transfusion Medicine**

Sl No	Question	Answer	OptionA	OptionB	OptionC	OptionD
1	The antibody mediating type I hypersensitivity reaction	A	IgE	IgA	IgG	IgD
2	Kaposi sarcoma causing virus is also known as	D	Human T cell Lymphotropic Virus	Human Immunodeficiency virus	Epstein Barr virus	Human Herpes virus
3	Replacement of one type of cell with another type is defined	B	Dysplasia	Metaplasia	Anaplasia	Hyperplasia
4	Hutchinson triad in congenital syphilis includes all, except	D	Interstitial keratitis	Eight nerve deafness	Malformed teeth	Periostitis of the tibia
5	Breast Milk is rich in	A	IgA	IgG	IgD	IgM
6	Intrauterine growth retardation is best detected by	A	Fetal ultrasonography	Cordocentesis	Stress test	Amniocentesis
7	Live born baby with hemolytic disease of newborns should be transfused with blood of group	D	AB Positive	AB Negative	O Positive	O Negative
8	Following are seen in congenital rubella except	A	Hydrocephalus	Purpura	Cataract	Mental Retardation
9	All the following are seen in pathogenesis of beta-thalassemia major, except	C	Hypochromic, microcytic anemia	Systemic iron overload	Normal erythroblasts	Skeletal deformities
10	Amenorrhea is a feature of excessive secretion of	C	LH	FSH	Prolactin	All of the above
11	Antibodies to HIV are detected after	A	2-8 weeks	3-6 months	1-2 years	5-10 years
12	World Blood Donors day is celebrated on	B	1st October	14th June	1st December	8th April
13	Jaundice occurring within the first 24 hours of birth is most often due to	B	Biliary atresis	Rh incompatibility	Neonatal hepatitis	Congenital rubella
14	The most sensitive indicator of adequacy of body iron stores is	C	Transferrin	Hemosiderin	Ferritin	Pre-albumin
15	Most common site of ectopic pregnancy is	A	Fallopian tubes	Ovary	Broad Ligament	Abdominal cavity
16	Total body iron content is	C	10 -15 gms	8 - 14 gms	2 -6 gms	16 -18 gms
17	The commonest cause of death in Beta Thalassemia patients is mainly due to	D	Tissue hypoxia	Hepato-splenomegaly	Shock	Iron overload
18	The hemoglobin to appear first in the fetus is	C	HbA	HbA2	HbF	Hb Gower
19	Antigen trapping cells are	B	Monocytes	Macrophages	Lymphocytes	NK cells
20	Recombinant DNA technology was first manipulated in	D	Pseudomonas	Klebsiella	Mycoplasma	E. coli
21	The last organ to putrefy in a male body is	D	Heart	Liver	Kidney	Prostate
22	Which hematological changes are not encountered in DIC	B	Thrombocytopenia	Low FDP	Prolonged bleedin time	Afibrinogenemia
23	The HLA genes are located on chromosomes	B	5	6	16	X-chromosome
24	Intrauterine blood transfusion is indicated in which of the following	C	Intr-uterine growth retardation	Ectopic pregnancy	Hydrops foetalis	Twins
25	Vitamin K dependent clotting factors are all, except	B	Factor II	Factor V	Factor IX	Factor X
26	Prozone phenomenon is due to	B	Excess antigens	Excess antibodies	Disproportionate antigen and antibody	Hyperimmune reactions
27	Anemia of chronic renal failure is usually	A	Normocytic	Macrocytic	Microcytic	Hemolytic
28	The mass media with the least effect in changing behavior of a person is	B	Television	Poster	Films	Health education
29	The SA node is predominantly supplied by	A	Right coronary artery	Left coronary artery	Anterior descending artery	Circumflex coronary artery
30	PDA is more common in all of the following, except	C	Congenital rubella	Pre-term	Post-maturity	High altitudes
31	The minimal blood loss that cause hypovolemic shock is	B	5 -10%	15 - 20%	30 - 40%	70 - 80%
32	"Sago Spleen" is seen in	B	Sickle cell anemia	Amyloidosis	Hemochromatosis	AIDS
33	Australia antigen is associated with the following infection	D	HCV	CMV	EPV	HBV
34	CT scan was invented by	B	Geoffery Houndsfield	Eric Storz	John Snow	Takashita Koba
35	The most common hematological disorder following gastrectomy is	B	Megaloblastic Anemia	Iron deficiency Anemia	Dimorphic Anemia	Folate Deficiency
36	Cirrhosis is characterized by	A	Diffuse fibrosis with nodularity	Central Necrosis	Fatty Hepatocytes	Drop-out Necrosis
37	The following enzyme are elevated in acute pericarditis, except	D	SGPT	SGOT	LDH	CK-MB
38	Cardiomegaly is usually maximum in	C	MS	MS & MR	AR	TR
39	Normal portal venous pressure is	B	3 - 4 mm Hg	7 - 10 mm Hg	15 - 20 mm Hg	30 - 40 mm Hg
40	In nephritic syndrome all serum proteins are decreased, except	D	Albumin	Transferrin	Ceruloplasmin	Fibrinogen
41	The first clinical manifestation of leprosy is usually	B	Hypopigmented Patch	Hypoesthesia	Nerve Thickening	Tender Nerves
42	Hutchinson's teeth refer to abnormalities of	A	Incisors	Canines	Pre-molars	Molars
43	Orthotolidine test enables estimation in water of the presence of	C	Free chlorine	Combined chlorine	Both of the above	None of the above
44	Commonest method of sterilization of Hospital generated waste is	B	Autoclaving	Incineration	Deep Burial	Irradiation
45	The best skin graft for open wounds is	A	Autograft	Allograft	Homograft	Isograft
46	The last sinus to appear is	C	Maxillary	Ethmoid	Frontal	Sphenoidal

47	Most common childhood intra cranial tumour is	C	Glioma	Meningioma	Medulloblastoma	Neuroblastoma
48	Decubitus ulcer in a case of uterine prolapse occurs mainly due to	D	Infection	Friction	Malignant change	Venous congestion
49	The commonest cause of hematemesis and melena is	A	Chronic peptic ulcer	Acute peptic ulcer	Gastric carcinoma	Cirrhosis of liver
50	Uveitis is characterized by all, except	A	Mucopurulent discharge	Small pupil	Moderate pain	Marked tenderness
51	Which carpal bone fractures commonly	B	Lunate	Scaphoid	Pisiform	Hamate
52	Graft versus host disease is caused by	A	Donor T-lymphocytes	Recipient T-lymphocytes	Donor B-lymphocytes	Recipient B-lymphocytes
53	Hereditary spherocytosis is caused due to defect in	D	Glycophorin 31	Band 5.1	Selectin	Spectrin
54	The causative agent for sexually transmitted infection donovanosis is	A	Klebsiella granulomatis	Haemophilus ducreyi	Chlamydia trachomatis	Neisseria gonorrhoeae
55	Ritters disease is also known as	C	Toxic shock syndrome	Scarlet fever	Staphylococcal scalded skin syndrome	Mucocutaneous lymph node syndrome
56	Mutation causing sickle cell anaemia is due to	A	Missense mutations	Deletions	Insertions	Trinucleotide repeat mutations
57	All are examples of autosomal dominant disorders, except	B	Achondroplasia	Alkaptonuria	Marfan's syndrome	Osteogenesis imperfecta
58	Predisposing factor of sleep apnea syndrome is all, except	C	Obesity	Acromegaly	Sarcoidosis	Hypothyroidism
59	Causes of congenital bronchiectasis include all, except	C	Cystic fibrosis	Primary cilia dyskinesia	Bronchogenic cyst	Kartagener syndrome
60	All are signs of pericardial effusion, except	A	Hypertension	Tachycardia	Kussmaul sign	Pulsus paradoxus
61	Tetraology of Fallot includes all except	A	Left ventricular hypertrophy	Ventricular septal defect	Aorta overriding the septum	Right ventricular outflow obstruction
62	The earliest changes in ECG for myocardial infarction is	C	Loss of R wave	Deep Q wave	ST elevation	T wave inversion
63	White infarcts are common in these organs except	D	Heart	Kidney	Spleen	Lung
64	The most common lysosomal storage disease is	B	Pompe disease	Gaucher disease	Niemann Pick disease	Tay Sach disease
65	Gas gangrene is commonly caused by which clostridium species	C	Botulinum	Tetani	Perfringens	Difficile
66	A compound causing cancer in prostate is	D	Asbestos	Chromium	Selenium	Cadmium
67	CREST syndrome involves all except	C	Raynaud phenomenon	Oesophageal dysmotility	Splenomegaly	Telangiectasia
68	The beef tapeworm is also known as	B	Taenia solium	Taenia saginata	Diphyllobothrium latum	Echinococcus multilocularis
69	The bacteria Borellia recurrentis causes	C	Lyme disease	Brucellosis	Relapsing fever	Tularemia
70	Which type of plasmodium species is more virulent	A	Falciparum	Vivax	Malariae	Ovale
71	All are causes of neutrophilia, except	C	Myocardial infarction	Trauma	Parasitic infections	Myeloproliferative disorders
72	Wenckebach's phenomenon is also known as	A	Mobitz type I block	Mobitz type II block	First degree AV block	Third degree AV block
73	Conditions causing hypoproteinemia includes all, except	B	Nephrotic syndrome	Congestive heart failure	Ascites	Malnutrition
74	Haemorrhages measuring 1 - 2 mm into skin, mucous membranes or serosal surfaces is called	C	Hematoma	Purpura	Petechiae	Echymoses
75	All are features of Turner syndrome except	C	Coarctation of aorta	Low posterior hairline	Cubitus varus	Peripheral lymphedema
76	Increased rouleaux formation is seen in	A	Multiple myeloma	Chronic myeloid leukemia	Acute lymphatic leukemia	Chronic lymphatic leukemia
77	The earliest feature of primary biliary cirrhosis is	B	Jaundice	Pruritus	Clubbing	Spider naevi
78	In DNA molecule, Adenine pairs with	D	Uracil	Guanine	Cytosine	Thymine
79	A Swan Ganz catheter measures	C	Central venous pressure	Right atrial pressure	Pulmonary artery pressure	Aortic pressure
80	Which is not a feature of hypoxia	B	Increased cerebral blood flow	Pulmonary vasodilation	Increased blood lactate	Increased cardiac output
81	National AIDS control programme was established in	C	1987	1990	1992	1996
82	The most common site of brain abscess is	A	Frontal lobe	Parietal lobe	Temporal lobe	Cerebellum
83	Carpet tunnel syndrome is often encountered in all of the following, except	C	Rheumatoid arthritis	Pregnancy	Conn's syndrome	Myxoedema
84	Treatment of choice for blood components in Hemophilia A is	C	Fresh Whole Blood	Fresh Frozen Plasma	Cryo-precipitate	Cryo-poor Plasma
85	Cardiac manifestation that occurs in Diabetes Mellitus is	A	Cardiomyopathy	Pericardial effusion	Pulmonary hypertension	Atrial septal defects
86	Budd chiari syndrome is occlusion of	D	Inferior vena cava	Renal vein	Portal vein	Hepatic vein
87	The most commonest type of blood transfusion reaction is	C	Hemolytic transfusion reaction	Transfusion associated Graft-vs-Host disease	Non-hemolytic febrile transfusion reaction	Transfusion transmitted HIV
88	ABO blood group is discovered by	A	Karl Landsteiner	Philip Levine	William Harvey	Alexander Weiner
89	Which test is not mandatory to be carried out in a donated unit of blood?	D	HIV	HBV	Malaria	Bacteria
90	Pain in acute appendicitis is commonly referred to	B	Right shoulder	Umbilicus	Right groin	External genitalia
91	The ideal temperature for storage of packed red cells is	C	4 to 8°C	0 to -18°C	20 - 24°C	10 - 18°C
92	Multiple myeloma is a disease of	D	Red cells	White cells	Platelets	Plasma cells
93	All are tests for ovulation, except	D	Basal body temperature	Cervical mucous study	Ultrasonography	Cramer's test

94	All of the following are derivatives of ectoderm, except	B	Skin	Sclera of eyes	Sweat glands	Distal part of anus
95	90% of the nasal bleeding occurs from	A	Anterior inferior part of nasal septum	Posterior part of nasal septum	Posterior part of lateral wall	Anterior part of lateral wall
96	Mental retardation is a feature of dwarfism due to	A	Hypothyroidism	Hyper-pituitarism	Hypo-pituitarism	All of the above
97	Leidin mutation occurs in the coagulation factor	B	X	V	VII	VIII
98	Libman sack endocarditis is also called	C	Bacterial endocarditis	Thrombotic endocarditis	Verrucous endocarditis	Fungal endocarditis
99	The most severe form of lupus glomerulonephritis is	D	Mesangial	Focal proliferative	Membranous	Diffuse proliferative
100	Testosterone in the testis is produced by	C	Sertoli cells	Germinal cells	Leydig cells	Peg cells