

25	Cerebellar nucleus responsible for slow pursuit & saccades a) Dentate b) Emboliformis c) Fastigial d) Globose	C
26	Primary stimulus for peripheral chemoreceptors is a). $\downarrow PO_2$ b) $\downarrow PCO_2$ c). $\uparrow PCO_2$ d) $\downarrow H^+$	A
27	True about Ondine curse is a). voluntary control of respiration is disrupted b). automated control of respiration intact c). seen in spinal poliomyelitis d). patients stay alive by breathing voluntarily	D
28	Pacemaker regulating rate of respiration a). Pneumotaxic centre b) Apneustic centre c). Dorsal group of neurons d) Pre-Botzinger complex	D
29	Inhibitory neurotransmitter is a). Glycine b) Glutamate c). Gamma Amino Butyric acid d) Taurine	C
30	All are actions of substance P except a). vasoconstriction b). Pain transmission c). Axon Reflex d). Peristalsis	A
31	Maximum number of mitochondria are present in cells of which part of nephron a). PCT b). LOH c). DCT d). collecting duct	A
32	Erythropoietin is secreted by all except a). Hemangioblastoma b). Hepatoma c). Renal cell carcinoma d). Adrenocortical tumours	D
33	All the following combinations are correct except a). Renin-kidney b) Renin substrate -liver c). ACE-lung endothelium d). Angiotensinogen-kidney	D
34	STOKE ADAMS SYNDROME is the episodes of fainting due to a)head injury b)ventricular tachycardia c). hyponatremia d).complete heart block	D
35	True about G-protein except a). G-channels b). phosphorylase formation c). Made up of 4 units d) related to Ras oncogene	C
36	Apparent mineralocorticoid excess is due to a). SGK gene b). CYP 11B c). CYP 11A ₂ d) deficiency of 11 beta hydroxysteroid dehydrogenase	D
37	Which of the following organ in males secretes zinc in large amount a). seminal vesicles b) prostate c). Epididymis d) Vas	B

38	Which is the best contraceptive for a lady before first child birth a) O C P b) I U D c). Tubectomy d). diaphragm	A
39	Which of the following is not a glial cell a). Astrocyte b). Oligodendrocyte b). Golgi cells d) Microglial cells	C
40	Dissociated Anaesthesia is seen in a) Dorsal root lesion b) Nerve lesion c). Syringomyelia d) Thalamic lesion	C
41	Optical righting reflex is integrated in a). Medulla b) Cortex c) Pons d) Mid brain	B
42	Consolidation of memory occurs in a). prefrontal cortex b). Hippocampus c). Neo cortex d). Amygdala	B
43	Which of the following retinal cell secrete Acetylcholine a). Amacrine cell b) Bipolar cell c). Ganglion cell d) Horizontal cell	A
44	Exercise that strengthens the muscle & increase muscle endurance a) Isotonic b). Aerobic c). Isometric d) None	C
45	Which of the following produce high anion gap acidosis a). Diarrhoea b). Renal tubule acidosis c). Renal failure d). ureterosigmoidostomy	C
46	Equilibrium potential is calculated by a). katz equation b). Gibb's Donnan equilibrium c). Goldman Equation d). Nernst Equation	D
47	Interstitial fluid volume can be determined by a). Radioactive iodine & radioactive water b). Radioactive water & radiolabeled albumin c). Radioactive sodium & radioactive water d). Radioactive sodium & radiolabeled albumin	D
48	Glutathiones within the RBC a). act as an enzyme of glycolytic system b). prevent damage to Haemoglobin c). required for formation of NADPH d). maintain shape & flexibility of RBC	B
49	Not an acute phase reactant a). Hemopexin b) Haptoglobin c). Orosomuroid protein d) Serum amyloid protein	A
50	Clathrin is used in a). Receptor mediated endocytosis b). Exocytosis c). cell to cell adhesion d). Facilitated diffusion	A

51	Thromboasthenin is a a). Coagulation factor b). Platelet derived growth factor c). Thrombosis inhibiting factor d). Thrombosis promoting protein	D
52	Neurapraxia is a type of a). Axonal disruption b). Endoneurium disruption c). Physiological conduction block d).Nerve trunk discontinuation	C
53	Increase in cytoplasmic calcium during smooth muscle contraction is due to a). c-AMP b). c-GMP c). Serine Kinase d). IP ₃ -DAG	D
54	Which of the following is not part of parasympathetic nervous system a). Edinger Westphal Nucleus b). Nucleus Tractus Solitarius c). Nucleus Gigantocellularis d). Nucleus Ambiguus	C
55	Which among the following time domain indices of HRV is a good parasympathetic marker a). Mean RR b). RMSSD c). NN50 d). LF-HF ratio	B
56	Tall and peaked T-wave seen in a). Hyperkalemia b). Hyponatremia c). Hypokalemia d). Hypercalcemia	A
57	Ventilation perfusion ratio is maximum at a). Apex of lung b). base of lung c). Posterior lobe of lung d). Middle of lung	A
58	Depth of inspiration is controlled by a). Pneumotaxic centre b) Posterior medulla c). Apneustic centre d) Pons	C
59	Which of the following is not a gastric function test a). Histamine test b) secretin test c). Insulin stress test d). Pentagastrin test	B
60	Migratory motor complex in gut reappears after interval of a) 90 minutes b). 120 minutes c). 60 minutes d). 150 minutes	A

