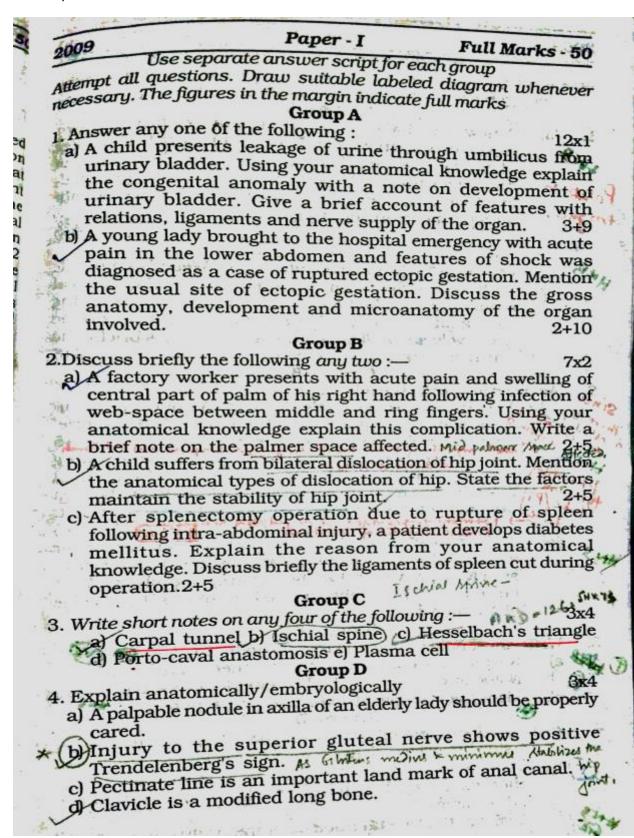


Anatomy





2009	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Paper - II	Full Marks 50
1	Use separ	rate answer script t	for each group
Attempt a	ll auestions. I	Draw suitable diag	rains wherever necessary.
The	figures in the	margin indicate fu	ıll marks;
1,100	San de n'e ti ch	Group - A	
1. (a)	A new born	haby was found	to have cleft palate with
	nasal regur	gitation of milk di	uring breast feeding. Ex-
Men on	plain the	engenital defect	from your knowledge of
14 (14 (14)	Anotomy w	ith a brief nate an	development of soft pal-
atake x	ata Cirra	hair a brief note on	development of soft par-
mque.	ite movem	brief account of in	uscles of soft palate with
0	its moveme	ent during degglut	ition.
3 36	TO THE SE	· No in the co	2 4+8
. O. O.	F-11	or	ara competition in the
(p)	rollowing S	stroke a man suffer	rs from Weber's syndrome
2 212 4	with left	sided hemiplagi	ia and ptosis, lateral
ending a	strabissmu	s & dilataiton of	pupil of right eye. Using
2	your anato	my knowledge ex	plain Weber's syndrome
	and involve	ment of ocular mu	scles. Discuss briefly the
1.422	extrinsic m	uscles of eye-ball.	4+8
2 470	Visitate in	Group - B	Street was a rest to be
nie (a)	A child two	of the following :-	· · · · · · · · · · · · · · · · · · ·
A COLUMN TO A COLU	A child sun	er from Fallot's Tet	ralogy. Mention anatomi-
	wear reature	s of this congenia	anomaly Write a brief
M. CO. U.) W.	though on dev	velopment of Ventr	ricular septum the 245
1	A DOY DIES	chus discharge of h	ill's through ear follows
Phyonge)	recuirent	muection in throa	at Evoluin the oliminal
4ymbe/PT	Complicatio	III IFOM VOUE knowl	ledge of Anotomy Will
to tobe	Differ Hote o	in the structure co	nnecting ear with throat.
(c)	A man age	of the of tymph and	PT tabe 2+5
29	atavia follo	about 60 years	suffers from cerebeller
Smith .	supply and	phylogoptic and di	amage. Mention arterial
10 March 20	of Anatomy	ar by cerebellar ata	axia from your knowledge
-XC	ormatomy	* Acceptance of the control of the c	the territory that the same
3 Write	a chart note	Group - C	and the state of t
ATTENDED TO	Pespirator	s on any four of the	e following :—
	Notochord	epitientino) Mo	otor neurons of spinal cord
	TIOCOCTIOIC	u u c	DUDEFIOR CERTIFICAL
R	Cigne micro	scopic su acture o	of lymph node.
1 337-14	brief comb	Group - D	41- 6-11
E. WILL	biter expia	diatory notes on	the following statements
~ · ·	using know	ledge of Anatomy	Embryology: 4x3
(T)a)	Type of res	piration in intant	s is abdominal, whereas
and the second s	thoracic in	adult females ar	nd thomce abdominal in
	adult males		
b)	Lesions in p	pretectal nucleus	of midbrain causes Argyll
			•
	in a second	M	Tell State Committee Commi
Rob	ertson's pu	pil. The transfer to the fall to	A STATE OF THE REST
ci Sur	ranuclear i	vne of Facial nor	ve lesion leads to mo-
c) Sur	less of l	The of Facial fiel	ve lesion leads to mo-
tor	loss of lowe	r part of face.	
d) Voc	al cord is c	onsidered as water	er- shed line of larynx.



Physiology

009	Paper - I	Full Marks - 50
Use	separate answer script for	The state of the s
menusi an quest	WIG. DIGII) SHITANIA digara	
Ine Jigures	are the margin marcate full	marks;
Commence	Group-A	
measuring	rdiac output and descr	ibe Fick's principle of
TI TOTO CALIALIE	cardiac output Descri	be the various factors
regulating	cardiac output.	2+6+4
b) Doffno on	or	
by Denne and	classify hypoxia. Mention	n the features of hypoxic
Trypoxia. v	What do you mean by accl	imatization? 4+6+2
2 Anguyar anu	Group - B	William Stone State &
a) Define res	two of the following:—	
Dotantial	sting membrane Potential	. How resting membrane
	is generated? What is Do	
	rinciple of blood transfusions.	on? Describe the nazards 3+4
	e micelles? Describe the	
absorbtio		2+5
absorbuo	Group - C	- 1 - mar ser a 1219.
3 Write short	notes on any four of the f	following: 4x3
	ed diffusion.	, , , , , , , , , , , , , , , , , , ,
	plastosis foctalis.	
c) Gastrin.		
	cyte Sedimentation rate.	
e) Enteroh	epatic circulation of bile.	
many and the state of	Group - D	and the second second
Give the phy	siological explanation of	the following: 42
a) Relayati	on of muscle is an activ	e process.
b) Coagula	tion disorders occur in	liver diseases.
a) Appear	occurs after hyper vent	ilation.
c) Aprilea	is does not occur in Sev	vere anaemia.
d) Cyanosi	is does not occur an ac	Commence of the state of the st



Full Marks - 50 2009 Paper - II Use separate answer script for each group Attempt all questions. Draw suitable diagrams wherever necessary. The figures in the margin indicate full marks; Group-A 1.a) Describe the functional subdivisions of cerebellum. Mention its connections. Enumerate the signs of cerebellar dysfunction. b) Describe various sites and mechanisms by which water is,reabsorbed by the nephron. Why polyurea occurs in Diabetes insipidus? Group - B Answer any two of the following: a) Trace the visual pathway up to occipital cortex. b) What is menstrual cycle? Explain the mechanism of menstrual cycle. c) List the hormones of calcium metabolism. Mention the features of tetany. Group-C 3. Write short notes on any four of the following:a) Alpha block. b) Organ of Corti. c) Sertoli cell.
d) Dwarfism. e) Biological clock. Group - D 4. Give the physiological explanation of the following: 4x3 a) Near Point recedes with age, b) In hyperthyroid state B, blockers are used. c) Touching and shaking an injured part can reduce pain sensation. d) In conductive deafness Weber test is lateralized to the diseased side.



2009	SEED OF THE SEED	Paper - I	Full Marks - 50
Thefi	questions. Dro gures in the m	argin indicate full r	ns wherever necessary.
plot f	rom it. Discus	ss-the role of differ	ent plasma enzymes in
b) Desc men	cribe in brief to abrane and th	he.different structu leir functional imp Group - B	
a) Des	cribe the mec	the following :— hanism of absorpti	ion'of amino adds from
the	gut. What is	Haitnup's disease?	5+2
sys	tem? Name tanism.	the various antiox	y damage the biological cidants protecting the 1+3+3
bel	naviours in	t at	amples. Describe their acquous medium.
Sie	ite importance	Group - C	linical practice. 2+3+2
a) Or	al glucose tole	s on any four of the crance test b) Allos	following:— 4x3 steric enzymes, hetic nucleotide analogs.
0,10	cogiyeans. u	ionophore. cjoyna	icue nucicoduc analogo.
	oin the fellow	Gronp-D	
a) Re	eceptor enzym	ing statements : les show intrinsic of haped in Sickle Cel	
c) H	istidine residu	ies of protein acts a	as a physiological buffer c patients in contrast t



Use separate answer script for e Attempt all questions. Draw suitable diagram The figures in the margin indicate full n Group - A	is wherever necessary.
Group - A	
1 a) Describe the process of synthesis of prokaryotes. What are the roles of contribution inhibit the processes of translation in or	different antibiotics to n ptokaryotes? 8+4
b) Describe β - oxidation of stearic acid energy will be generated iron steari	. Calculate how muclic acid.
2. Answer any two of the following:—	
 a) Name various fates of acetyl CoA. Descholesterol biosynthe upto rate limiting by How iron is absorbed from the gut, transit the body? Name some important dietairon. c) Describe the formation and fate of amount of the coup - C 	ng step. 3+4 nsported and stored in ary items that contain 2+2+2+1 nonia in the body.2+5
3. Write short notes on any four of the form a) Prosto oncogene. b) Gene therapy. c) d) Glycogen storage disease, e) Role of vi	llowing :— RNA processing.
Group - D	rent in pares of ki
Explain the following statements: a) DNA is much more table than RNA.	f bas essalings
b) Low dose of aspirin is needed to preve c) Glucose - 6 phosphate Dehydrogena	
hemolytic anemia. d Urinary Urobilinogen is increased in	hemolytic jaundice.