PHYSIOLOGY (SEMESTER - 2)

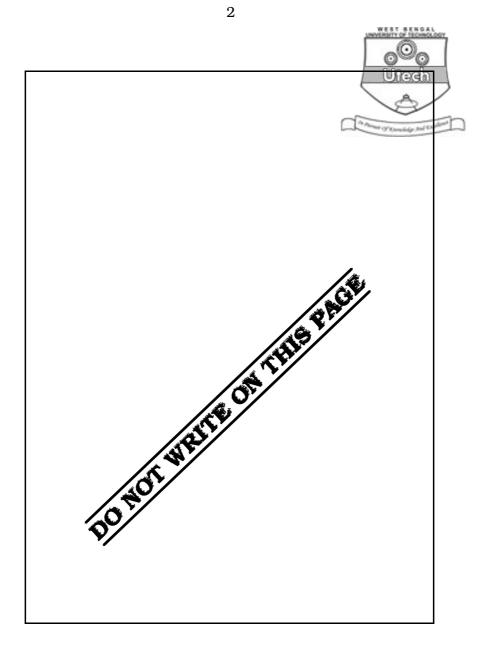
CS/B.F 1				/ S]	E M	- 2 /	РΊ	`- 2	:05	5/(09			E	Sch Sch		
Signal	ure oj 1	loigia	1101														
2. Signature of	of the Ofj	icer-in	Char	ge	Reg.	. No.											
				o. of date	the												
				CS	6/B.P	harm	- – – 1(N)/	SE	 М-2	/ PT	-20	 5/0	 9				
	ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009																
]	PHY	SIO	LOC	γ£	(S]	EM	ES	TE	R -	2)				
Time: 3 Ho	urs]														[F	ull Marks :	70
2. a) b) 3. Fill in y 4. Read th 5. You sh 6. Do not render under to 7. Use of	booklet i ned sub In Grou provide For Gr Sheet'. type. W your Ro to instr ould no write you you liz he rele Mobile	s a Qui ject co up – A d aga oups Ques Vrite o oll No uction t forg our na ble to vant r Phon	A guestion a guestion inst b tions n bot in t a give t to a me do ules. e ano	on-cu ence f estion each o & C of G th side the bo en ins write or put qualifi 1 Prog	m-Ans from Pa as are c questia you ha roup – es of th ox prov side can the cor t any sp cation. gramm	wer B age No of Multon. ave to B are e pap- ided a refully respo- pecial Any able (ookle . 3. tiple ansve Sho er. as in befor nding marl cand Calcu	Choi wer t ort ar your ore ar g que k in idate	ce ty the conswe Adm nswe estion the b four r is t	pe. Y juest r typ nit Ca ring. n nur bookl nd c	You h ions be. Q ard b mber et th opyin	in t puest eford s wh at m ng w	to wr he s ions e ans ile a ay d ill be	rite ti pace of G werin nswe isclo e sub	he correct provided roup – C ng the que ring. se your ic oject to Di he examin	questions of choice in the marked 'Ans are Long ans estions. entity, which sciplinary Act nation hall. uld not take	box swer swer will tion
															isqualifica		any
9. Rough																	
	No ad	ditio	nal	sheet	s are	to be	use	d ar	nd no	o 1oo	ose j	pape	er w	ill bo	e provid	ed	
]	FOR	OFFI			-			ΓΙΟΙ	N O	NLY	,			
			~		•	Μ	arks	Obt			~	~		~			
Question Number		Τ	G	roup	- A				Gro	oup -	- в 	Gr	oup	<u>- c</u>	Total Marks	Examiner's Signature	
Marks Obtained													+		11201103	Signature	
oblutieu				<u> </u>			_ _	1	1	<u>ı</u>	<u>ı</u>	1	1	1	1	1]

Head-Examiner/Co-Ordinator/Scrutineer

2405 (15/06)







2405(15/06)



ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009

PHYSIOLOGY

SEMESTER - 2



Time : 3 Hours]

GROUP – A

(Multiple Choice Type Questions)

1.	Choose the correct alternatives for any <i>ten</i> of the following : $10 \propto 1 =$										
	i)	Uncomfortable or distressed breathing is known as									
		a)	Apnoea	b)	Asphyxia						
		c)	Hypoxia	d)	Dyspnoea.						
	ii)	In human, RBC are flattened, circular, biconcave and									
		a)	nucleated	b)	non-nucleated						
		c)	multinucleated	d)	none of these.						
	iii)	Erytl	Erythrocyte formation in human being starts at								
		a)	1 st week of intrauterine life	b)	3 rd week of intrauterine life						
		c)	5 th week of intrauterine life	d)	7 th week of intrauterine life						
	iv)	A person with diabetes mellitus does not secrete enough									
		a)	sugars	b)	insulin						
		c)	epinephrine	d)	none of these.						
240	05 (1	5/06)								

CS/B.Pharm(N)/SEM-2/PT-205/09

- v) Melatonin is a hormone secreted by
 - a) adrenal gland
 - c) thyroid d)

4

b)

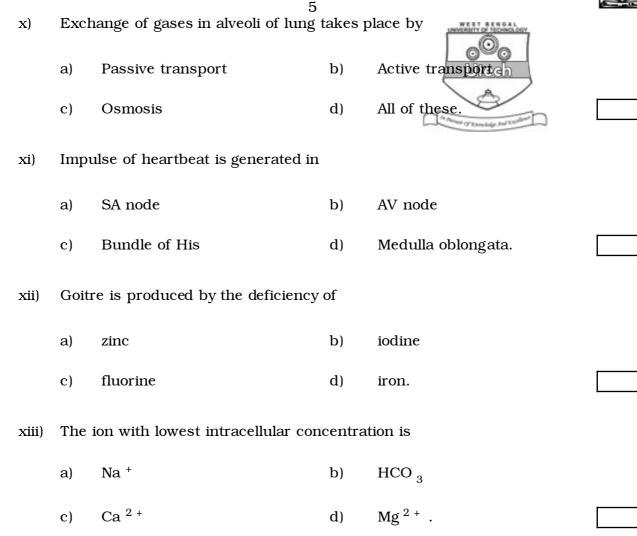
- vi) Cushing syndrome is due to
 - a) hypersecretion of glucocorticoids
 - b) hyposecretion of glucocorticoids
 - c) hypersecretion of mineralocorticoids
 - d) none of these.
- vii) Prolactin release is lowered by
 - a) Dopamine b) Histamine
 - c) Ach d) Atropine.
- viii) Hemolytic disease in newborn is associated with
 - a) ABO blood group b) Rh blood group
 - c) MN blood group d) All of these.
- ix) Which statement is not true about "tidal volume" ?
 - a) Volume of air in one breath is called tidal volume
 - b) Tidal volume is supposed to be 500 ml
 - c) Tidal volume can be measured by spirometer
 - d) Minute volume does not depend upon tidal volume.

2405(15/06)









GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following. $3 \propto 5 = 15$

- 2. Lung volumes.
- 3. Micturition.
- 4. ESR.
- 5. ECG and its importance.
- 6. Cushing's syndrome.

$\mathbf{2405}$ ($\mathbf{15}/\mathbf{06}$)



 $3 \propto 15 = 45$

6

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.

- 7. Explain in detail about the mechanism of coagulation of blood.
- 8. Discuss about the transport and delivery of O_2 to the tissues. Explain the principal principles governing the respiratory exchange.
- 9. What is Haemopoiesis ? Write about all the stages in the development of blood cells. What do you mean by ABO system ? 3 + 7 + 5
- 10. Discuss briefly on properties of cardiac muscles.
- 11. What is cardiac cycle ? Write about various phases of cardiac cycle. 5 + 10

END

2405 (15/06)