First BHMS-2001

PHYSIOLOGY INCLUDING BIOCHEMISTRY

	H 103
I B.H.M.S. Examination, October 2	2001
PHYSIOLOGY INCLUDING BIOCHEMIST	RY (Paper – I)
Date: 19-10-2001 Time: 10.30 a.m. to 1.30 p.m.	Marks: 70
1 10.50 a.m. to 1.50 p.m.	
SECTION – B	
2. Write briefly on any three:	
A) Hypoxia	15
B) Osmosis	
C) Myopia	
D) Surfactant	
3. Write a note on any two:	
A) Clotting (Coagulation)	10
B) Blood Groups	
C) Platelets	
4. Write notes on:	
A) Heart valves	10
B) Regulation of Heart Rate	
and the state of t	
CECTION	
SECTION - C	
5. Describe nervous regulation of the respiration.	15
6. Describe Glomerular filtration rate and its regulation.	
7. Describe the taste bud and Gustatory Pathway.	10
	10
OR Describe structure and formal	
Describe structure and functions of skin with diagram.	
The same of the sa	P.T.O

23. Normal blood flow to brain per n	ninute is
a) 100 ml.	c) 1000 ml.
750 ml.	d) 1500 ml.
24. Systolic blood pressure depends	on
a) Venous filling .	c) Cardiac output
b) Peripheral resistance	d) Both B and C
25. Tachycardia means	
a) Increase in heart rate	a) Stannaga of boart
b) Decrease in heart rate	c) Stoppage of heart d) None of these
b) Beerease in heart rate	. d) None of these
26. Normal membrane potential is	
(a) -90 mV.	c) + 10 mV.
b) - 10 mV.	d) None of these
	V
27. Normal vital capacity in adults is	
a) 1 litre	5 litre
b) 2 litre	d) 8 litre
28 Ovygen content of arterial blood	por 100 ml is
28. Oxygen content of arterial blood	
a) 5 ml.	c) 100 ml.
19 1111.	d) None of these
29. Asphyxia is due to	
a) Lack of oxygen in blood	
b) Excess of oxygen in blood	
(c) Lack of oxygen with excess of	carbon-di-oxide
d) None of these	
30. Periodic breathing is seen in	
a) Uraemia	c) After hyper ventilation
b) High altitudes	All of these 2

SPACE FOR ROUGH WORK



	of the following is not an a	anticoagulant	
	Heparin	c) Calcium Oxalate	
	fron	d) Citrate	
	7		
	ceptors for taste is		
	Rods	Taste buds	
	Cones	d) None of these	
	12 resbyopia is corrected by	'	
	Convex lens	c) Cylindrical lens	
) Concave lens	d) None of these	
	concave lens	d) None of these	
-	Rods are concerned with		
		c) Colour vision	
	a) Bright vision	c) Colour vision	
	Dim light vision	d) None of these	
	Range for hearing is (20,-	-20,000).	
	a) 10 – 100 cycles per second	c) Above 50000 cycles per second	
	b) 20 – 20000 cycles per secon	None of these	
	1		
	1 Normal body temperature is		
	(a) 10° C	6e) 37.4° C	
	b) 20° C	d) 40° C	
	/		
	6. Heat is lost from the body thro	ugh .	
	Sweating .	c) Both of these	
	b) Shivering	d) None of these	
	7. The value of normal glomerula	r filtration in litres per day is-	
	a) 120	(o) 170 L	
	b) 130	d) 200	
	8. The reaction of normal urine is		
	Acidic L	c) Neutral	
	b) Alkaline	d) None of these	
	.9. Oormal desire for micturition i	s felt when the amount of urine in bladder is	
	a) 100 ml.	c) Neutral	
	b) 400 ml.	d) 1000 ml.	
	9.00	G) 1000 IIII.	
21	20. Glomerular filtration rate is for	and by	
1	a) Water excretion test	Ce) Inulin clearance test	
	b) Insulin clearance test	d) None of these	
	b) madm creatance test	d) None of these	
2	21. First heart sound is due to		
-	a) Closure of aortic valve	ce Closure of A-V valves 2	
	h) Closure of pulmonary valve	d) None of these	
-	Annuar diam to 5		
4.	22. Average diameter of capillary		
	a) 4-8 μ	ε) 20-30 μ	
	b) 1-2 µ	d) 40 µ	
	4		10
	*		

IB.H.M.S. Examination, 2001 PHYSIOLOGY INCLUDING BIOCHEMISTRY (Paper - II)

Date: 9-6-2001 Time: 10.30 a.m. to 1.30 p.m.

b) Water

Total Marks: 160

Instruction: Cross only ONE block for correct answer.

SECTION - A MULTIPLE CHOICE QUESTIONS

Marks: 30 II. II. Werman certified cycle time in second is c) 1.5 1 TO 100 d) 2.0 (c) Arm to lung time all Arm to tangue time d) None of these b) Am to Am time 3. Common bland flow is increased in a) Electronities: d) None of these 4. Factor VIII is also called as tihemophilic globulin - a) Protironbin d) None of these b) Calcium 5. One gram of the moglobin after full saturation combines with c) 14 ml. of oxygen d) 19 ml. of oxygen b) 10 ml of oxygen 6. Normal blood volume in litres in adult male is c) 8 d) 10 ~815V 7. Site of production of erythropoietin is c) Bone-marrow a) Liver Kidney L b) Spleen 8. Most common connective tissue cell is Ac) Plasma cell L a) Mast cell d) None of these b) Fibroblasts 9. Eosinophils secrete M Histamine V a) Mucous None of these

3)	MUHS - 2001	X
Name of the Examination	THE RESERVE AND APPLE	
Subject:		
Question Booklet Version		Section:
	Roll No.	Question Booklet Sr. No.
Q - 022		
	Answer Sheet No.	400312
		Date:
been verified. Candidate's Signature	es of Examination, Subject, Roll No	o. and Answer Sheet No. have
- Olynature		Invigilator's Signature
	INSTRUCTIONS TO CANDIDATES	
1) This question booklet contains	objective type questions.	
2) The question paper and OCR A	nswer Sheet are issued separately	the start of the average of
make correct entries on the Ans CHARACTER READER (OCR) S care should be taken to fill a	the instructions printed on the question wer Sheet. As ANSWER SHEETS are SYSTEM, special care should be taken stion booklet VERSION and SERIAL Ne cross-checked by the Invigilator. The klet.	n booklet and answer sheet and designed to suit the OPTICAL
4) During the time of examinations:		
Read each question carefully Determine the carried		
c) Cross 'X' in the correct block Pen only e.g.	r from out of the four available options below the question number in the an	given under each questions. swer sheet with Blue Ball Point
Q. No. 13: The product of 0.5	× 0.05 is	All Holding Section 1
(Question Booklet)		(Annua 0)
. (a) 0.05	Q. No.	(Answer Sheet)
. (b) 0.005	11	12 13 14
(c) 0.025	" "	a a a

Thus as the correct answer is 'c' the candidate should cross the block corresponding to 'c' under Question No. 13 on the answer sheet.

- 5) Rough work should be done only on the blank space provided on the question booklet. Rough work should not be done on the Answer Sheet
- 6) Immediately after the prescribed examination time is over, the answer sheet and the question booklet is to be returned to the Invigilator after both the candidate and Invigilator have signed.
- 7) No candidate is allowed to leave the examination hall till the examination session is over.

Q - 103

I B.H.M.S. Examination, 2001 PHYSIOLOGY INCLUDING BIOCHEMISTRY (Paper - I)

Date: 9-6-2001

Ex e

Time: 10.30 a.m. to 1.30 p.m.



SECTION - B Time: 2 hrs. 30 minutes Marks: 70 2. Write briefly on any THREE: A) Dead space air. 15 B) Diffusion. C) Functions of middle ear. D) Taste buds. 3. Write notes on any TWO: A) RH factor. 10 B) Haemoglobin C) Radial pulse tracing. 4. Write notes on: A) Surface tension. 10 B) Cerebral circulation. SECTION - C 5. Describe the transport of carbon-di-oxide in the body. 15 6. Describe the renal function tests. 10 7. Describe the regulation of body temperature. OR 10

Describe the visual pathways and the effects of its lesions at various levels.

MUHS 2001

Name of the Examination Subject :	1:	Section : A
Question Booklet Version	Roll No.	Question Booklet Sr. No.
H 019	Answer Sheet No.	100324
	The second second	Date:
This is to certify that, the No. have been verified.	entries of Examination, Subje	ect, Roll No. and Answer Sheet
Candidate's Signature		Invigilator's Signatur
	INSTRUCTIONS TO CANDIDA	ATES
1) This question booklet cont	tains objective type questions.	
	OCR Answer Sheet are issued sepa	arately at the start of the examination.
Candidate should carefull and make correct entries	ly read the instructions printed on to on the Answer Sheet. As ANSW	the question booklet and answer sheet/ER SHEETS are designed to suit the
3) Candidate should carefull and make correct entries OPTICAL CHARACTER I entries. Special care should	ly read the instructions printed on to on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special auld be taken to fill question booklet ass of entries has to be cross-checket	the question booklet and answer sheet/ER SHEETS are designed to suit the care should be taken to make correct VERSION and SERIAL NO., Roll Noted by the invigilator. The candidate must
and make correct entries OPTICAL CHARACTER I entries. Special care shou accurately. The cirectness	ly read the instructions printed on to con the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet.	the question booklet and answer sheet ER SHEETS are designed to suit the I care should be taken to make correct t VERSION and SERIAL NO., Roll No
Candidate should carefull and make correct entries OPTICAL CHARACTER I entries. Special care should accurately. The crrectnessign on the Ansier Sheet During the time of examinating a) Read each question of Setternine the correct.	ly read the instructions printed on to on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. t answer from out of the four available of block below the question not as a series.	the question booklet and answer sheet ZER SHEETS are designed to suit the I care should be taken to make correct VERSION and SERIAL NO., Roll No and by the invigilator. The candidate must
Candidate should carefully and make correct entries. OPTICAL CHARACTER If entries. Special care should accurately. The orrectnessign on the Answer Sheet. During the time of examination a). Read each question cooperate of the correct cooperate o	by read the instructions printed on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. answer from out of the four availability of answer from out of the question numbers. below the question numbers.	the question booklet and answer sheet ZER SHEETS are designed to suit the I care should be taken to make correct I VERSION and SERIAL NO., Roll No and by the invigilator. The candidate must oble options given under each question.
OPTICAL CHARACTER I entries. Special care should accurately. The cirrectnessign on the Ansier Sheet. During the time of examina. a) Read each question co. Determine the correct co. Cross 'X' in the correct Ball Point Penanty. E. Q. No. 13. The pro-	by read the instructions printed on to on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. answer from out of the four available of block below the question number. beduct of 0.5 × 0.05 is	the question booklet and answer sheet ER SHEETS are designed to suit the I care should be taken to make correct VERSION and SERIAL NO., Roll Noted by the invigilator. The candidate must be options given under each question umber in the answer sheet with Blue (Answer Sheet)
Candidate should carefully and make correct entries. OPTICAL CHARACTER If entries. Special care should accurately. The cirrectnessign on the Ansier Sheet. During the time of examination a) Read each question correct c). Cross 'X' in the correct Ball Point Per cirry. Q. No. 13. The pro (Question Booklet) (a) 0.05 (b) 0.005	by read the instructions printed on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. answer from out of the four availability of answer from out of the question numbers. below the question numbers.	the question booklet and answer sheet ZER SHEETS are designed to suit the I care should be taken to make correct t VERSION and SERIAL NO., Roll Noted by the invigilator. The candidate must oble options given under each question number in the answer sheet with Blue (Answer Sheet)
Candidate should carefull and make correct entries OPTICAL CHARACTER I entries. Special care should accurately. The crrectnessign on the Ansier Sheet During the time of examina a) Read each question correct c) Cross 'X' in the correct Ball Point Pen only 18 (Question Book et) (a) 0.05	ly read the instructions printed on to on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special and be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. t answer from out of the four available of block below the question numbers. oduct of 0.5 × 0.05 is	the question booklet and answer sheet/ER SHEETS are designed to suit the I care should be taken to make correct VERSION and SERIAL NO., Roll Noted by the invigilator. The candidate must be options given under each question. The answer sheet with Blue (Answer Sheet) 1 12 13 14
and make correct entries OPTICAL CHARACTER I entries. Special care shou accurately. The orrectnes sign on the Answer Sheet During the time of examina a) Read each question a Data Initial Point Per correct C) Cross 'X' in the correct Ball Point Per correct (a) 0.05 (b) 0.005 (c) 0.025	ly read the instructions printed on to on the Answer Sheet. As ANSW READER (OCR) SYSTEM, special add be taken to fill question booklet as of entries has to be cross-checked and question booklet. ations:- carefully. t answer from out of the four available of block below the question numbers. oduct of 0.5 × 0.05 is Q. No. 1 a	the question booklet and answer sheet ER SHEETS are designed to suit the I care should be taken to make correct VERSION and SERIAL NO., Roll Noted by the invigilator. The candidate must colle options given under each question. The answer sheet with Blue (Answer Sheet) 1 12 13 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Question No. 13 on the answer sheet.

5) Rough work should be done only on the blank space provided on the question booklet. Rough work hould not be done on the Answer Sheet.

diately after the prescribed examination time is over, the answer sheet and the question booklet be returned to the invigilator after both the candidate and invigilator have signed.

indidate is allowed to leave the examination hall till the examination session is over.

I B.H.M.S. Examination, October 2001 PHYSIOLOGY INCLUDING BIOCHEMISTRY (Paper – I)

Phisiologi melebrio	
Date: 19-10-2001 Time: 10.30 a.m. to 1130 p.m	Total Mar
SECTION - A	
Instruction: Cross only one block for correct answer.	AND THE PROPERTY OF
	3: 30
Time: 30 Minutes	
1. Heart receives about 1% of Cardiac output 2% of cardiac output d) 10% of cardiac output	of sequestion
Vasovagal syncope is called a) Hypovolemic shock b) Anaphylactic shock d) Septicemic shock	o many of the policy of the po
During exercise, blood does not decrease in Cutaneous circulation	ant orit grinu (f)
4. Hepatic blood flow is a) 500 ml/min. b) 800 ml/min.	e) Read sich manne der Grennen der Grennen der Point
5. Life of R.B.C.'s is a) 30 days b) 90 days d) 160 days	Q. No. (Question of the control of t
6. In Hemophilia a) Factor II is decreased b) Bleeding time is increased d) Prothrombin time is increased	
7. Haemoglobin first appears in a) Early Normoblast c) Late Normoblast d) Pronormoblast d) Pronormoblast	
8. The commonest site of Haemopoiesis in finemalia (a) Lines (b) Spiness (c) Gas (d) Gas	fooding guide
9. The maximum pressure in the turn having an arrange of these of the turn of turn of the turn of	f cardiac cycle