



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme - B.Sc.(MRIT)-2022/B.Sc.(MRIT)-2023 Course Name – Human Anatomy & Physiology Part II **Course Code - BMRITC201** (Semester II)

Time: 2:30 Hours Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

x 15=15

	(Multiple Choice T	ype Question) 1
1.	Choose the correct alternative from the following:	eat it continuisamento at the
(i)	which of the following structure are seen to enteroption	r into the hilum of kidney.select correct
(ii)	a) ureter c) lymphatics Which type of epithelium lines the fallopian tube	b) renal vein d) peri-nephric fat s?Identify correct option.
(iii)	a) Simple squamous epithelium	b) Simple columnar epithelium d) Pseudostratified columnar epithelium
(iv)	a) seminiferous tubule c) epi-didymis During which phase of meiosis does the primary state the correct option	b) rete-testes d) vasa efferentia oocyte become arrested until puberty?
(v)	a) prophase 1 c) prophase 2 Tentorium cerebelli arises as fold from which layer	d) leptotene stage
	a) dura-materc) pia-materIdentify the total no of segments found in the sp	b) arachnoid mater d) falx-cerebri inal cord.
	a) 33 c) 35 Choose yellow color of urine is due to	b) 31 d) 36
, ,	a) Urochrome	b) Urea

a) Urochrome

c) Bilirubin	d) Uric acid		
(viii) Choose the Glomerular filtration rate would be in	ncreased by:		
 a) constriction of the afferent arteriole 	b) a decrease in afferent arteriolar pressured) a decrease in the concentration of plasma		
c) compression of the renal capsule	protein		
(ix) State the excretion of dilute urine requires			
a) relative permeability of the distal tubule to water	b) the presence of ADH		
 c) impermeability of the collecting tubule to water 	d) None of these		
(x) Choose the male reproductive hormone			
a) Estradiol	b) Testosterone		
c) Inhibin	d) None of the above		
(xi) Choose from the following: Ciliary glands are mo	b) sebaceous glands		
a) sweat glands	d) lacrimal glands		
c) salivary glands (xii)are one of the few types of neurons that can replace themselves in adult life.			
Choose from the following			
a) Cones	b) Taste buds		
c) Rods	d) Olfactory receptors		
(xiii) tell layer of the uterine wall does the placenta a	ttach to during pregnancy:		
a) Perimetrium	b) Endometrium d) Parametrium		
c) Myometrium (xiv) During which phase of the menstrual cycle does			
preparation for potential implantation of a fertil	ized egg?		
a) Follicular phase	b) ovulatory phase		
c) Luteal phase	d) Menstural phase		
(xv) Tell What is oogenesis?			
a) The process of egg release from the ovary	b) The process of egg fertilization by sperm		
c) The process of egg maturation within the	d) The process of egg implantation into the		
ovary	uterus		
	up-B Type Questions) 3 x 5=15		
	Type Questions) 3 x 5=15 Il questions		
Answer	r questions		
2. Discuss the normal constituents of urine	(3)		
3. Describe the location, parts, hormones released by			
4. Describe the steps of spermatogenesis along with			
5. Summarize the function of female sex hormone?	(3)		
6. Explain the Hormonal mechanism of action of hor			
	OR .		
Explain the function of male sex hormone in detai	(3)		
Gro	oup-C		
	Type Questions) 5 x 6=30		
	Il questions		

7.	7. Explain the different stages of Menstrual cycle		
8.	Describe the anatomy of the prostate gland	(5)	
9.	Describe the placenta. Mention the name of the hormones and functions associated with	(5)	
	them		
10.	. Explain these different types of muscle- cardiac, smooth and skeletal muscle	(5)	
11.	11. Describe the uterine and ovarian changes in menstrual cycle		
12.	12. Explain about the coverings of brain and spinal cord with proper diagram? describe the folds		
	of dura mater with proper diagram		
OR			
	Explain the mechanism of nerve impulse conduction	(5)	
