



RAN-2006000101010002

F.Y.MBBS Examination April - 2023

Human Anatomy: Paper II - Set 3

(New CBME Curriculum Pattern)

Tim	e: 3 I	Hours]	[Total Marks: 100				
સૂચના : / Instructions							
(٩)		દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર up strictly the details of 🖝 signs on yo					
	Nam	e of the Examination:					
	•	F.Y.MBBS					
	Nam	e of the Subject :		-0			
	Human Anatomy : Paper II - Set 3 (New CBME Curriculum Pattern)						
	Subje	ect Code No.: 2006000101010002	2)	Student's Signature			
Instructions:							
(2)	Write each section in separate answer book.						
(3)		ection A, all MCQs are compulsor					
		egative marking & must be submi	J				
(4)		ion A carry 20 marks and Section		arry 40 marks each.			
(5)	Draw labelled diagrams wherever necessary.						
(6)	Writ	te to the point.					
		SECTION A	- MCQ	s 1x20=20			
1.	Stomach has relations with all of the following EXCEPT						
	a)	Anterior abdominal wall	b)	Left kidney			
	c)	Gall bladder	d)	Transverse mesocolon			
2.		True regarding coeliac trunk					
	a)	Vertebral level of origin is L1					
	b)						
	c) Common hepatic artery is the largest branch						
	d)	It is artery of midgut	_				

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3.	. Right kidney is related to all EXCEPT					
	a)	11 th rib				
	b)	Quadratus lumboram muscle				
	c)	Transverses abdominis muscle				
	d)	Thoraco-abdominal diaphragm				
4.		Vertebral level of vena caval opening in thoraco-abdominal diaphragm is				
	a)	T8	b)	T9		
	c)	T10	d)	T12		
5.	Subdivision of peritoneal cavity posterior to stomach is called					
	a)	Omental bursa	b)	Lesser sac		
	c)	Omentum	d)	Both a & b		
6.		Medial boundary of femoral ring is formed by				
	a)	Lacunar ligament	b)	Inguinal ligament		
	c)	Pectinate ligament	d)	Pectineal fascia		
7.		Ligament preventing hyper-extension of hip joint is				
	a)	Pubo-femoral ligament	b)	llio femoral ligament		
	c)	Inguinal ligament	d) (Ischio-femoral ligament		
8.	Profunda femoris artery leaves femoral triangle by passing bety			angle by passing between		
	a)	lliacus & psoas major	b)	Psoas major & pectineus		
	c)	Pectineus & adductor longus	d)	Adductor longus & adductor brevis		
		· F.				
9.		Posterior primary rami of L1-L3 and S1-S3 supply skin of which quadrant				
		of gluteal region?				
	a)	Upper & anterior	b)	Upper & posterior		
	c)	Lower & anterior	d)	Lower & posterior		
10.						
	a)	Adductor hallucis	b)	Flexor digiti minimi brevis		
	c)	2 nd lumbrical	d)	Flexor digitorum brevis		

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11.		Incorrect about intercostal nerves						
	a)	Provide motor fibres to peripheral part of diaphragm						
	b)	Provide motor fibres to intercostals muscles						
	c)	Provide sensory fibres to costal pleura						
	d)	Lower nerves provide sensory fibres to peritoneum						
12.		Sternal angle level corresponds to all EXCEPT						
	a)	Beginning & end of arch of aorta						
	b)	2 nd sterno-costal joint						
	c)	Demarcation between superior and inferior mediastinum						
	d)	Formation of superior vena cava						
13.		How many pairs of posterior intercostal arteries arise from descending thoracic aorta?						
	a)	7	b)	8				
	c)	9	d)	10				
14.		Incorrect about visceral pleura						
	a)	Adherent to lung surfaces	b)	Lines fissures of lungs				
	c)	Pain insensitive	d) (Innervated by somatic nerves				
15.		Lining epithelium of trachea is	, co					
	a)	Pseudo-stratified ciliated columnar	b)	Simple columnar				
	c)	Stratified squamous non-keratinized	,	Stratified squamous keratinized				
		Silve						
16.		Example of dense regular connective tissue is						
	a)	Dermis N.	b)	Superficial fascia				
	c)	Capsule of glands	d)	Tendon				
17.		Tissue develop from ectoderm of embryo is						
	a)	Nervous tissue	b)	Muscular tissue				
	c)	Connective tissue	d)	None of above				
18.		Mullerian duct gives rise to						
	a)	Ovary	b)	Fallopian tube				
	c)	Uterus	d)	Both b & c				

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19. How many chromosomes are there in Turner's syndrome?

a) 45

b) 46

c) 47

d) 48

The karyotype of Androgen Insensitivity Syndrome is

a) 46XX

b) 46XY

c) 47XXY

d) 45XO

SECTION B

Marks:40

Que:2 Attempt ANY TWO case scenario questions.

16 marks

- Fatty and fertile female of 40 years complained of spasmodic pain in right hypochondrium radiating to right shoulder. (1+2+5 marks)
 - (A) What should be the probable diagnosis?
 - (B) Why pain is referred to right shoulder?
 - (C) Describe gross anatomy of affected organ.
- (2) 45 years old woman complaining of swelling in upper medial side of thigh just infero-lateral to pubic tubercle. The swelling becomes prominent on coughing. (2+2+2 marks)
 - (A) What is this female most likely suffering from? Why is it more common in females?
 - (B) Explain anatomical basis of the condition.
 - (C) What could be the possible complication of surgical intervention in this condition?
 - (D) Enumerate the other swellings in the same region.
- (3) 47 years old male with history of smoking for 25 years presents with chest pain radiating to his left arm, sweating and nausea. His blood pressure is low and investigation reveals infarction of left lateral and parts of sternocostal and diaphragmatic surfaces of heart and damage to anterior aspect of interventricular septum. (1+5+2 marks)
 - (A) Which artery is most likely to be affected in this case?
 - (B) Describe course, branches and areas of heart supplied by that artery.
 - (C) What is coronary dominance?



Que:3(A) Write short notes on (ANY TWO) 10 Marks Profunda femoris artery (2) Ligaments of knee joint (3) Tibialis anterior muscle (B) Write short notes on 10 marks (1) Histology of autonomic ganglion OR Histology of lymph node Histology of colon OR Histology of ureter (C) Write short note on.... (ANY ONE) 4 marks Karyotyping Klinefelter syndrome SECTION C Marks:40 Que:4 Long questions.... (ANY TWO) 16 marks Describe uterus under following heads. (a) Subdivisions (b) Axes (c) Relations (d) Supports Describe thoraco-abdominal diaphragm under following heads. (a) Attachments (b) Major openings (c) Nerve supply (d) Actions Describe portal vein in detail with applied aspects. Que:5(A) Write short notes on (ANY TWO) 10 marks Internal thoracic artery (2) Coronary sinus (3) Thoracic duct (B) Write short notes on (ANY TWO) 10 marks (1) Development of right atrium Development of pancreas (3) Mesonephric duct (C) Write short note on 4 marks Cadaver as a teacher

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Hysterosalpingography