プイフ・フィ

Set No. : 1

Ouestion Booklet No.

RET/17/	TEST-B
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631	Anatomy
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Roll No.										
oft No. (Wr	ite the dig	its in w	ords)							
erial No. of	OMR Ar	iswer Sl	heet							4 1 1 1 1
ay and Dat	e			4.11						
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INSTRUCTIONS TO CANDIDATES

(Use only blue/black ball-point pen in the space above and on both sides of the Answer Sheet)

- Within 30 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, Bring it to the notice of the Superintendent/Invigilators immediately to obtain a fesh Question Booklet.
- Do not bring any loose paper, written or blank, inside the Examination Hall except the Admit Card without its envelope.
- 3. A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.
- 4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above
- On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.
- 6. No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet no. on the Question Booklet.
- 7. Any change in the aforesaid entries is to be verified by the invigilator, otherwise it will be taken as unfair means.
- 8. This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.
- For each question, darken only one circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
- 10. Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks)
- 11. For rough work, use the inner back pages of the title cover and the blank page at the end of this Booklet
- 12. Deposit both OMR Answer Sheet and Question Booklet at the end of the Test.
- 13. You are not permitted to leave the Examination Hall until the end of the Test.
- 14. If a candidate attempts to use any form of unfair means, he she shall be liable to such punishings and impose on him her.

Total No. of Printed Pages: 20

ROUGH WORK एफ कार्य

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V.			

Research Entrance Test-2017

No. of Questions: 50

प्रश्नों की संख्या: 50

Time: 2 Hours

Full Marks: 200

समय : 2 घण्टे

पूर्णाङ्क : 200

Note: (1) This Question Booklet contains 40 Multiple Choice Questions followed by 10 Short Answer Questions.

इस प्रश्न पुरितका में 40 वस्तुनिष्ठ व 10 लघु उत्तरीय प्रश्न हैं।

- (Three) marks. 1 (One) mark will be deducted for each incorrect answer. Zero mark will be awarded for each unattempted question. If more than one alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one. अधिकाधिक वस्तुनिष्ठ प्रश्नों को हल करने का प्रयत्न करें। प्रत्येक वस्तुनिष्ठ प्रश्नों को हल करने का प्रयत्न करें। प्रत्येक वस्तुनिष्ठ प्रश्न 3 (तीन) अंकों का है। प्रत्येक गलत उत्तर के लिए 1 (एक) अंक काटा जायेगा। प्रत्येक अनुत्तरित प्रश्न का प्राप्तांक शून्य होगा। यदि वस्तुनिष्ठ प्रश्नों के एकाधिक वैकल्पिक उत्तर सही उत्तर के निकट प्रतीत हों, तो निकटतम सही उत्तर दें।
- (3) Answer only 5 Short Answer Questions. Each question carries 16 (Sixteen) marks and should be answered in 150-200 words. Blank 5 (Five) pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

केवल 5 (पाँच) लघुउत्तरीय प्रश्नों के उत्तर दें। प्रत्येक प्रश्न 16 (सोलह) अंकों का है तथा उनका उत्तर 150-200 शब्दों के बीच होना चाहिए। इसके लिए इस पुस्तिका में लगे हुए सादे 5 (पाँच) पृष्टों का ही उपयोग आवश्यक है। प्रत्येक प्रश्न का उत्तर एक नए पृष्ट से, प्रश्न संख्या लिखकर शुरू करें।

01.	Wh	iich kidney Disease is a "Glo	bal Pub	lic Health" Problem Worldwide ?			
	(1)	Acute Kidney Injury (AKI)				
	(2)	2) Kidney Stone					
	(3)	Chronic Kidney Disease	(CKD)				
	(4)	Renal Papillary Necrosis					
02.	Wh	ich Virus affects mainly Hu	ıman Im	mune System ?			
	(1)	Hepatitis A Virus (HAV)					
	(2)	Parvo Virus B19					
	(3)	Cytomegla Virus (CMV)					
	(4)	Human Immunodeficienc	y Virus	(HIV)			
03.	Wh	ich BHU Alumnus is honou	red with	n "Bharat Ratna" ?			
	(1)	Prof.K.N.Udappa	(2)	Prof.O.N.Srivastava			
	(3)	Prof.C.N.R.Rao	(4)	Prof.R.D.Dwivedi			
04.	Whi	ch of the following drug is	used as	"Immunosuppression" ?			
	(1)	Citrofloxocin	(2)	Aspirin			
	(3)	Ampicellin	(4)	Cyclosporine			
05.	The	Probability of a particle to	cross a b	parrier of height more than the			
	kine	etic energy of the particle is	s :				
	(1)	zero	(2)	one			
	(3)	between zero and one	(4)	50%			

06.		ciency of which of the followin	g mir	neral nutrients induces dental
	(1)	Molybdenum	(2)	Cobalt
	10000	Fluorine	(4)	Iron
	(3)	Fluoritie	(7)	non
07.	Oxio	dation number of Iodine is hig	hest	in which compound?
	(1)	кі	(2)	KI ₃
	(3)	IF ₅	(4)	KIO _↓
08.	In w	hich part of our body, antiboo	lies a	are formed ?
	(1)	Brain	(2)	Lungs
	(3)	Bone marrow	(4)	Spleen
na	Whi	ch of the following sensation	ne is	s not generated by impulses
٠,.		ated in naked nerve endings		s not generated by map are
	(1)	Touch	(2)	Pain
	(3)	Cold	(4)	Smell
			28 18	
10.	Sou	nd cannot travel through :		
	(1)	Air	(2)	Water
	(3)	Fire	(4)	Vacuum
272	•••		- CE - DE	
11.		mpke's palsy invoves all excep		7/2/24
	(1)	C6	(2)	C7
	(3)	C8	(4)	T1

12.	Ple	ural tapping in mid-axillary lir	ie, m	uscle not pierced is:
	(1)	Internal intercostals	(2)	External intercostals
	(3)	Innermost intercostals	(4)	Transversus thoracis
10				
13.	M10	ldle meningeal artery is transr	nitte	through:
	(1)	Foramen Rotundum	(2)	Foramen Ovale
	(3)	Foramen Spinosum	(4)	Foramen Lacerum
14	A 11			
14,	All	are motor nerves except :		
	(1)	Accessory	(2)	Abducent
	(3)	Trochlear	(4)	Trigeminal
15	The	total volume of CSF is:		
20.				
	(1)	50 ml	(2)	100 ml
	(3)	150 ml	(4)	275 ml
16.	Mitr	al cells are present in :		
	(1)	Kidney	(2)	Mitral Valve
	(3)	Olfactory Tract	(4)	Optic Nerve
17	A 11			
17.	All a	re fibrous joints except :		
	(1)	Skull Sutures	(2)	Tooth Socket
	(3)	Inferior Tibiofibular joint	(4)	Symphysis pubis

18.	Neu	ral crest derivatives are all exc	ept :	
	(1)	Melanocyts	(2)	Schwann Cells
	(3)	Thyroid Follicular Cells	(4)	Parafollicular C cells
19.	Sub	stances which do not cross the	place	ntal membranes are all except :
	(1)	IgG	(2)	IgA
	(3)	IgM	(4)	IgE
20.	Dou	ible barr body is seen in :		12
	(1)	Turner's Syndrome	(2)	Klienfilter's Syndrome
	(3)	XXX Syndrome	(4)	Down's Syndrome
21.	Con	nbined action of which muscle	cau	se intorsion of the eye?
	(1)	Superior oblique & superior	rectu	ıs
	(2)	Superior rectus & inferior rec	etus	
	(3)	Inferior rectus & inferior obli	ique	
(đ	(4)	Inferior oblique & superior o	bliqu	e
22.	All	of the following muscles have	bony	attachments except :
	(1)	Procerus	(2)	Orbicularis oculi
	(3)	Risorius	(4) 1	Platysma

23	. Wh	Which nerve is related to the neck of the mandibale?		
	(1)	Auriculotemporal	(2) Masseteric	
	(3)	Inferior alveolar	(4) Lingual	
24	For	sial name is 6 and in the state of		
44.	rac	ial herve is functionally related	to all of the following ganglia except :	
	(1)	Pterygopalatine	(2) Otic	
	(3)	Geniculate	(4) Submandibular	
25.	Wh	ich artery grooves the medial s	surface of the mastoid hone 2	
			variate of the mastera bone;	
	(1)	Certebral	(2) Occipital	
	(3)	Posterior auricular	(4) Deep cervical	
26.	Inte	ernal jugular vein is a continua	ation of which sinus?	
	(1)	Superior petrosal	(2) Cavernous	
	(3)	Sigmoid	(4) Transverse	
27.	Para	alysis of the soft palate leads to	all of the following except :	
	(1)	Nasal twang in voice		
	(2)	Nasal regurgitation		
	(3)	Deviation of uvula to the affect	cted side	
	(4)	Flattening of palatal arch		

28.	At th	he level of which one of the foll	owing tooth, modiolus of the mouth
	lies	5	
	(1)	Upper first premolar	(2) Upper second premolar
	(3)	Upper second molar	(4) Lower second molar
29.	Whi	ch one of the following is calle	ed as safety muscle of the larynx?
	(1)	Transverse arytenoids	(2) Cricothyroid
	(3)	Posterior cricoarytenoid	(4) Lateral cricoarytenoid
30.	Wha	at is the average length of the	spinal cord in centimeters?
	(1)	45	(2) 55
	(3)	65	(4) 75
31.	Mod	de of secretion of sebaceous gl	and is:
	(1)	Apocrine	(2) Merocrine
	(3)	Holocrine	(4) Ecrine
32.	Ost	eogensis imperfect is an exam	ple of the :
	(1)	Autosomal recessive trait	(2) Autosomal dominant trait
	(3)	X-linked dominant trait	(4) X-linked recessive trait
33.	Veir	ns are an example of the :	
	(1)	Conducting vessel	(2) Distributing vessels
	(3)	Capacitance vessel	(4) Resistance vessel

34.	Red	l Bone marrow, in adult, is n	ot found in :					
	(1)	Skull bones	(2) Sternum					
	(3)	Medullary cavity of long bo	ne (4) Bodies of vertebrae					
35	Str	uctures are derived from cent	um transversion					
00.	Str	Structures are derived from septum transversum:						
	(1)	Fibrous structure of liver	(2) Parenchyma of liver					
	(3)	Billiary ducts	(4) Coronary ligament					
36	Lea	omentum tour least's verse	and the					
00.	Leg	amentum tereshepatic repre	sents the .					
	(1)	Right umblical vein	(2) Left umblical vein					
	(3)	Right umblical artety	(4) Left umbilical artery					
37.	In a	cute appendicitis, pain elicit	ed in which abdominal quadrant :					
	(1)	Epigastric	1/					
	(2)	Umblical						
	(3)	Right iliac fossa						
	(4)	Left Iliac fossa						
38.	Puls	sation of dosalis pedis artery	is felt at :					
	(1)	Above to extensor retinacul	um					
	(2)	Lateral to extensor hallucis	longus					

Below to extensor retinaculum

Medial to extensor hallucis longus

(3)

(4)

39.	The	juxtaglomerular apparatus	consists of :
	(1)	Macula densa	(2) Collagen fibers
	(3)	Lipid droplets	(4) Elastic fibres
40.	The	joint between head of ribs	and bodies of thoracic vertebrae is:
	(1)	Primary cartilaginous	(2) Secondary cartilaginous
	(3)	Synovial	(4) Fibrous

Short Answer Questions

Note: Attempt any five questions. Write answer in 150-200 words. Each question carries 16 marks. Answer each question on separate page, after writing Question Number.

- 01. Cell surface receptors.
- 02. Ultra structure of conduction tissues of heart
- 03. Floure00000scence microscopy
- 04. Ectopic thyroid gland and thyroglossal cyst
- **05.** Steps involved in invitro fertilisation
- **06.** Microstructure of kidney
- 07. Microstructure of cerebral hemisphere
- 08. Lethal dose-50
- 09. Human stem cells
- 10. Describe briefly the blood supply and age changes in uetrus

ROUGH WORK एफ कार्य

ROUGH WORK एक कार्य

अभ्यर्थियों के लिए निर्देश

(इस पुस्तिका के प्रथम आवरण पृष्ठ पर तथा उत्तर-पत्र के दोनों पृष्ठों पर केवल नीली-काली बाल-प्वाइंट पेन से ही लिखें)

- प्रश्न पुस्तिका मिलने के 30 मिनट के अन्दर ही देख लें कि प्रश्नपत्र में सभी पृष्ठ मौजूद हैं और कोई प्रश्न छूटा नहीं है। पुस्तिका दोषयुक्त पाये जाने पर इसकी सूचना तत्काल कक्ष-निरीक्षक को देकर सम्पूर्ण प्रश्नपत्र की दूसरी पुस्तिका प्राप्त कर लें।
- 2. परीक्षा भवन में *लिफाफा रहित प्रवेश-पत्र के अतिरिक्त*, लिखा या सादा कोई भी खुला कागज साथ में न लायें।
- उत्तर-पत्र अलग से दिया गया है। इसे न तो मोड़ें और न ही विकृत करें। दूसरा उत्तर-पत्र नहीं दिया जायेगा।
 केवल उत्तर-पत्र का ही मूल्यांकन किया जायेगा।
- 4. अपना अनुक्रमांक तथा उत्तर-पत्र का क्रमांक प्रथम आवरण-पृष्ठ पर पेन से निर्धारित स्थान पर लिखें।
- 5. उत्तर-पत्र के प्रथम पृष्ठ पर पेन से अपना अनुक्रमांक निर्धारित स्थान पर लिखें तथा नीचे दिये वृत्तों को गाड़ा कर दें। जहाँ-जहाँ आवश्यक हो वहाँ प्रश्न-पुस्तिका का क्रमांक तथा सेट का नम्बर उचित स्थानों पर लिखें।
- 6. ओ० एम० आर० पत्र पर अनुक्रमांक संख्या, प्रश्नपुस्तिका संख्या व सेट संख्या (यदि कोई हो) तथा प्रश्नपुस्तिका पर अनुक्रमांक और ओ० एम० आर० पत्र संख्या की प्रविष्टियों में उपिरलेखन की अनुमित नहीं है।
- 7. उपर्युक्त प्रविष्टियों में कोई भी परिवर्तन कक्ष निरीक्षक द्वारा प्रमाणित होना चाहिये अन्यथा यह एक अनुचित सायन का प्रयोग माना जायेगा।
- श्रम-पुस्तिका में प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं। प्रत्येक प्रश्न के वैकल्पिक उत्तर के लिए आपको उत्तर-पत्र की सम्बन्धित पंक्ति के सामने दिये गये वृत्त को उत्तर-पत्र के प्रथम पृष्ठ पर दिये गये निर्देशों के अनुसार पेन से गाढ़ा करना है।
- प्रत्येक प्रश्न के उत्तर के लिए केवल एक ही वृत्त को गाढ़ा करें। एक से अधिक वृत्तों को गाढ़ा करने पर अथवा एक वृत्त को अपूर्ण भरने पर वह उत्तर गलत माना जायेगा।
- 10. ध्यान दें कि एक बार स्याही द्वारा अंकित उत्तर बदला नहीं जा सकता है। यदि आप किसी प्रश्न का उत्तर नहीं देना चाहते हैं, तो संबंधित पंक्ति के सामने दिये गये सभी वृत्तों को खाली छोड़ दें। ऐसे प्रश्नों पर शून्य अंक दिये जायेंगे।
- रफ कार्य के लिए प्रश्न-पुस्तिका के मुखपृष्ठ के अंदर वाला पृष्ठ तथा उत्तर-पुस्तिका के अंतिम पृष्ठ का प्रयोग करें।
- 12. परीक्षा के उपरान्त केवल ओ एम आर उत्तर-पत्र परीक्षा भवन में जमा कर दें।
- परीक्षा समाप्त होने से पहले परीक्षा भवन से बाहर जाने की अनुमित नहीं होगी।
- 14. यदि कोई अभ्यर्थी परीक्षा में अनुचित साधनों का प्रयोग करता है, तो वह विश्वविद्यालय द्वारा निर्धारित दंड का/की, भागी होगा/होगी।