RET	/17	/TEST-	В

671	Dental	Science

RET/17/TEST-B	671	Dental	Science	Question Booklet No
(To	be filled up l	y the candi	date by blue/	black ball-point pen)
Roll No.				
loll No. Write the digits in words	s)			
erial No. of OMR Answ	er Sheet			
ay and Date				(Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES

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

- 1. 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 fresh Question Booklet.
- 2. 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.
- 5. 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 Aheet 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.
- 9. 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.
- 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 mark).
- 1. For rough work, use the inner back pages of the title cover and the blank page at the end of this Booklet.
- Deposit both OMR Answer Sheet and Question Booklet at the end of the Test.
- You are not permitted to leave the Examination Hall until the end of the Test.
- If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

पर्यक्त निर्देश किरी में अन्तिम आवरण-पृष्ठ पर दिये गए हैं।

ROUGH WORK

रफ़ कार्य

Research Entrance Test-2017

No. of Questions/प्रश्नों की संख्या : 50

ime/समय : 2 Hours/घण्टे

Full Marks/पूर्णांक : 200

pte: (

 This Question Booklet contains 40 Multiple Choice Questions followed by 10 Short Answer Questions.

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

- (2) Attempt as many MCQs as you can. Each MCQ carries 3 (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 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) लघु उत्तरीय 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) पृष्ठों का ही उपयोग आवश्यक है। प्रत्येक प्रश्न का उत्तर एक नए पृष्ठ से, प्रश्न संख्या लिखकर शुरू करें।

1.	Injection of the lower lip spreading	via lymph would first enter blood at
	(1) inferior labial vein	(2) pterygoid plexus
	(3) brachiocephalic vein	(4) facial vein
2.	Gene responsible for tooth proliferat	ion in molars is
	(1) Pax 9 (2) BLL 2	(3) BRAX Gene (4) MXX Gene
3.	Optimum concentration of fluoride i	n drinking water is
	(1) 0-0·5 p.p.m.	(2) 0·5–1 p.p.m.
	(3) 0·7–1·2 p.p.m.	(4) 0·9~1·4 p.p.m.
4.	An absolute contraindication for ext	raction of teeth is
	(1) hypertension	(2) myocardial infarction
	(3) thyrotoxicosis	(4) central haemangioma
5.	The division of a single tooth resultir tooth is termed as	ng in one normal and one supernume
	(1) gemination (2) fusion	(3) concrescence (4) twinning
6.	HAIR ON END appearance in a sku	ll radiograph is seen in
	(1) fibrous dysplasia	(2) Garre's osteomyclitis
	(3) thalassemia	(4) Paget's disease

7.	Relapse in rotated tooth can be avoided by			
	(1) frenectomy			
	(2) maintaining integrity of arch			
	(3) splinting			
	(4) circumferential supracrestal fiber	oton	ny	
8.	Primary denture support area for ma	andi	bular complete denture is	
	(1) the ridges	(2)	the vestibule	
	(3) palatopharyngeal fold	(4)	buccal shelf area	
9.	The Pontic which is hygienic and ea	sy t	o clean is	
	(1) ridge lap (2) saddle	(3)	sanitary (4) round	
10.	Which material is recommended for	rest	oring the root caries?	
	(1) Zinc oxide eugenol	(2)	Glass ionomer cement	
	(3) Silver amalgam	(4)	Composites	
11.	Flossing aids can be started at the	age	of	
	(1) infants (0-1 year)	(2)	toddlers (1-3 years)	
	(3) preschool age (3-6 years)	(4)	adolescent age (12-19 years)	
12.	The greatest stress that can be indu	iced	in a body without rupture is	
	(1) proportional limit	(2)	yield strength	
	(3) tensile strength	(4)	ultimate strength	
(57)	5			$iP_{\epsilon}T_{\epsilon}\epsilon$

13.	For all practical purposes, the cla	sp should have
	(1) high Proportional Limit (PL) ar	nd low Modulus of Elasticity (MOE)
	(2) high PL and high MOE	
	(3) low PL and high MOE	
	(4) low PL and low MOE	
14.	The disadvantage of palatal plate	over a bar is
	(1) can be thinner	(2) can transfer occlusal load
	(3) covers more tissue	(4) do not worry the tongue
15.	1 - 1	ry anterior teeth for anterior indirect of the following procedures is necessal rior guidance?
	(1) Protrusive record	
	(2) Template for provisional restor	ation
	(3) Custom incisal guide table	
	(4) Interocclusal record in centric	relation
16.	What is the common direction of :	fracture extension in cracked tooth?
	(1) Faciolingual	(2) Mesiodistal
	:3. Horizontal	(4) Apical to coronal
57)		6
0.1		

7.	Preferred pulp test in tooth with metal ceramic restoration is		
	(1) heat test	(2) electric pulp test	
	(3) anaesthetic test	(4) dry ice test	
8.	Rate of collagen synthesis is highest	t in	
	(1) periodontal ligament	(2) gingiva	
	(3) skin	(4) bone	
9.	Stippling appears in the children at	the age of	
	(1) 1 year (2) 1 month	(3) 2 years (4) 5 years	
;0.	Highest level of clinical evidence (or	gold standard) is obtained from	
	(1) case control studies	(2) cohort studies	
	(3) longitudinal studies	(4) meta-analysis, systematic re-	views
!1.	Ability of an infectious agent to inva	ade and multiply is called	
	(1) infectivity	(2) pathogenicity	
	(3) virulence	(4) transmission	
!2 .	The student t-test is		
	(1) a test for comparing proportions	5	
	(2) a nonparametric test		
	(3) a test for comparing averages		
	(4) a test for comparing variances		
7)	7		$\langle P, ?^* \phi \rangle$:

23.	23. The dental tissue with highest accumulation of fluoride is			oride is
	(1) enamel	(2) dentine	(3) pulp	(4) cementum
24.	Oedema occurs in following events?	inflammatory stag	ge of wound hea	ling due to which one
	H Exudate collec	ction and rapid ly	mphatic draina	ge
	(2) Transudate co	llection and rapid	l lymphatic dra	inage
	(3) Exudate collec-	ction and lymphat	tic obstruction	
	(4) Transudate co	llection and lymp	hatic obstructio	n
25.		erature. It is mixe		ion is a highly inflammene of the following ago
	(i) Carbon dioxid	e	(2) Oxygen	
	(3) Hydrogen		(4) Halothane	2
26.	Which one of the following haemostatic agents for a bleeding extraction sean result in delay in the healing of the socket?			
	(1) Gelatine spon	ge	(2) Figure of	eight suturing
	(3) Oxidised reger	nerated cellulose	(4) Tannic ac	id
27.	Which of the ioni process?	c movement duri	ng nerve impul	se generation is an a
	(1) Efflux of sodiu	um ions from intr	acellular to extr	acellular
	(2) Initial influx o	f sodium ions fro	m extracellular	to intracellular
	(3) Displacement	of calcium ions fr	om gated chan	nels
	Hillux of pota	ssium ions from r	nerve cell	
57)		8	3	

28.	Patients with which one of the following co-morbidity cannot usually biotransform amide local anaesthetic agents in their body at a rate compare to that of normal individual?
	(1) Hypotension
	(2) Presence of atypical pseudocholinesterase
	(3) Odontogenic infection
	(4) Pyrexia
29.	Most common Laser used in oral surgery is
	(1) Helium-Neon Laser (2) Argon Laser
	(3) Carbon dioxide Laser (4) Nd-YAG Laser
30.	Assertion: Posterior surface of implant should be 5 mm anterior to menta foramen.
	Reason: The mental nerve before exiting from the mental foramen run anteriorly by 3 mm and loops back to exit.
	(1) Both Assertion and Reason are true and Reason is the correct explanation of Assertion
	(2) Both Assertion and Reason are true and Reason is not the correc explanation of Assertion
	(3) Assertion is true but Reason is false
	(4) Both Assertion and Reason are false
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(57)

31.	Inability of eye to problem?	look to ipsilateral	shoulder may indic	ate which cranial ne
	(1) Ilirci	(2) 1Vth	(3) IInd	(4) Vth
32.	Vickers and Gorli	n criteria does no	t include	
	(1) hyperchromat	ism of basal cell r	iuclei	
	(2) palisading and	d polarization of b	asal cell nuclei	
	(3) cytoplasmic va	acuolization		
	(4) breach in bas	ement membrane		
33.	In early childhood caries there is early carious involvement of all the follow teeth, except			nent of all the follow
	(1) maxillary ante	erior teeth	(2) primary 1st n	nolars
	(3) mandibular 2:	nd molars	(4) mandibular ir	ncisors
34.	False about discle	osing agents is		
	(1) these are used	d for patient educa	ation	
	(2) younger childr	en are very much	bothered by the d	iscoloration caused
	(3) examples are-	-erythrosine, basic	fuchsin	
	(4) used in all ag	e groups		
35.	Spontaneous corre	ection of childhood	diastema is more l	ikely when its width
	(1) 5 mm	(2) 4 mm	(3) 3 mm	(4) 2 mm

36.	Anterior open bite and maxillary con	nstriction are caused by
	(1) tongue thrusting	(2) thumb sucking
	(3) nail biting	(4) lip biting
37.	In children, it can be quite difficult t because	o find the sort of positive 'centric relation
	(1) TMJ is not well developed	
	(2) articular eminence is not well d	eveloped
	(3) condyle is not well developed	
	(4) coronoid process is not well dev	eloped
38.	Which anatomical part of the maxilla fracture in Le Fort I, II and III type	ry artery is closely associated with lines o
	(1) First part (2) Second part	(3) Third part (4) Fourth part
39.	Among the following methods, which emergency surgical airway managen	is the preferred and recommended form of nent by ATLS?
	(1) Endotracheal intubation	(2) Tracheostomy
	(3) Cricothyroidotomy	(4) Nasopharyngeal airway
40.	Which one of the following nerve fibres are responsible for carrying pair perception from periphery to the CNS?	
	(1) A Alpha and a Beta fibres	(2) A Delta and B fibres
	(3) A Alpha and C fibres	(4) A Delta and C fibres
57)	11	(P.T.O.

Short Answer Questions

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

- 1. Meta-analysis.
- 2. Laser in dentistry.
- 3. Need of centric occlusion to coincide with centric relation.
- Relevance of spaced and non-spaced primary dentition and their effects developing occlusion.
- 5. Development of lip and palate.
- 6. Basic Life Support (BLS).
- 7. Dental management of hemophilic patient.
- 8. Sampling methods.
- 9. Bone scan.
- 10. Dental implants.

(57)

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ROUGH WORK

रफ़ कार्य

15**7**₁

ROUGH WORK

रफ़ कार्य

अभ्यर्थियों के लिए निर्देश

्य एरिटका के प्रथम आवरण-पृष्ठ पर तथा उत्तर-पत्र के दोनों पृष्ठों पर केवल नीली या काली बाल-प्वाइंट पेन से ही लि

- प्रथम पुस्तिका मिलने के 30 मिनट के अन्दर ही देख लें कि प्रश्नपत्र में सभी पृष्ठ मौजूद है और कोई पृष्ट प्रथम शुटा नहीं है। पुस्तिका दोषयुक्त पाये जाने पर इसकी सूचना तत्काल कक्ष-निरीक्षक को देकर सम्पूर्ण प्रश् की दूसरी पुस्तिका प्राप्त कर लें।
- 2. पर्राक्ष भवन में *लिफाफा रहित प्रवेश-पत्र के अतिरिक्त*, लिखा या सादा कोई भी खुला कागज साथ में न लायें!
- 3 उत्तर-पत्र अरुप में दिया गया है। इसे न तो मोड़ें और न ही विकृत करें। दूसरा उत्तर-पत्र नहीं दिया जायेगा, केवल 3 पत्र का ही मृल्यांकन किया जायेगा।
- 4. अपन अनुद्रमांक नथा 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 जहाँ जहाँ आवश्यक हो वहाँ प्रशन-पुस्तिका का क्रमांक तथा सेट का नम्बर उचित स्थानों पर लिखें।
- 6. ऑ॰ एम॰ आर॰ पत्र पर अनुक्रमांक संख्या, प्रश्न-पुस्तिका संख्या व सेट संख्या (यदि कोई हो) तथा प्रश्न-पुस्तिका अनुक्रमांक सं॰ और ओ॰ एम॰ आर॰ पत्र सं॰ की प्रविष्टियों में उपरिलेखन की अनुमति नहीं है।
- उन्त्रीण प्रकिटियों में कोई भी परिवर्तन कक्ष निरीक्षक द्वारा प्रमाणित होना चाहिये अन्यथा यह एक अनुचित साधन कः प्र माना वार्येगाः
- 8. इस प्रश्न पुम्तिका में 40 वस्तुनिष्ठ व 10 लघु उत्तरीय प्रश्न हैं। प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार वैकित उत्तर दिये गये हैं। प्रश्नेक प्रश्न के वैकित्यिक उत्तर के लिये आपको उत्तर-पत्र की सम्बन्धित पंक्ति के सामने दिये जून को उत्तर पत्र के प्रथम पृष्ठ पर दिये गये निर्देशों के अनुसार पेन से गाढ़ा करना हैं। लघु उत्तरीय प्रश्नों के इस पुस्तिका में लगे हुए सादे 5 (पाँच) पृष्ठों का ही उपयोग आवश्यक है। प्रत्येक प्रश्न का उत्तर एक नए से, प्रश्न संख्या लिखकर शुरू करें।
- 9. प्रसंद्र प्रश्न के उत्तर के लिये केवल एक ही वृत्त को गाढ़ा करें। एक में अधिक वृत्तों को गाढ़ा करने पर अथवा वृत्त को अपूर्ण भरने पर वह उत्तर भलत माना जायेगा।
- 10. ध्यान दे कि एक बार स्थाही द्वारा अंकित उत्तर बदला नहीं जा सकता है। यदि आप किसी प्रश्न का उत्तर नहीं देना क है ले कर्काश्वत पंक्ति के सामने दिये गये सभी वृत्तों को खाली छोड़ दें। ऐसे प्रश्नों पर शुन्य अंक दिये जायें।
- गुप्त काय का स्वयं प्रश्न पुस्तिका के मुखपृष्ठ के अन्तर वाले पृष्ठ तथा अंतिम आवरण पृष्ठ का प्रयोग करें!
- प्रतिका के उपरान्त ओठ एमठ आरठ उत्तर-पत्र व प्रक्र-पुस्तिका दोनों परीक्षा भवन में जमा कर है।
- १८८ अन्द असम रोगे में पहले परीक्षा भवन से बाहर जाने की अनुमति नहीं होगी।
- 14. यदि कोई अध्यर्थी परीक्षा में अनुचित साधनों का प्रयंग करता है. तो वह विश्वविद्यालय द्वारा निर्धारित दंड का का कि होगा तेए?