

ALIGARH COACHING CENTRE

An Institute of Science & Commerce



1220352		PARTICULARS TO BE FILLED IN BY THE CANDIDATE				
		Name of the Candidate	CHING CEN			
		Roll Number	COACHING CENTER			
Paper Code	TDGN/122	Application Number				
- upor code	I DGN/122	Name of the Centre				
Question Booklet	4000050	Centre Code				
Number	1220352	Date of the Test				
Question Paper Series	В	Signature of the Candidate	Bu			

Maximum Marks: 100

Test Duration: 02 hours

INSTRUCTIONS

- Complete all entries on the cover page and put your signature in the space provided.
- Use only Ball Point Pen (black / blue) for making entries in the Question Booklet and the OMR Answer Sheet.
- The Question Booklet consists of 14 pages and contains 100 multiple choice questions (MCQs).
 Count the number of pages and questions before attempting the questions. Discrepancy, if any, must immediately be brought to the notice of the Invigilator.
- The Test duration as specified above shall be reckoned from the moment of distribution of the Question Booklets.
- 3. Blank space in the Question Booklet may be used for rough work.
- 4. Each MCQ is followed by four alternative answers. Select only one answer, which you consider as the most appropriate. Shade the relevant circle against the corresponding question number on the OMR Answer Sheet. Selecting more than one answer for a question, even if one of the selected answers is correct, would result in its being treated as an incorrect answer.
- Answers for MCQs should ONLY be marked on the OMR Answer Sheet. No answer should be written/marked on the Question Booklet.
- 6. The candidate is required to separate the original OMR Answer Sheet and its carbonless copy at the perforation carefully after the Admission Test. He / She shall hand over the original OMR Answer Sheet and Admit Card to the Invigilator before leaving his/her seat and take with him/her the carbonless copy of the OMR Answer Sheet and the Question Booklet.
- 7. Failure to handover the original OMR Answer Sheet will lead to cancellation of the candidature.

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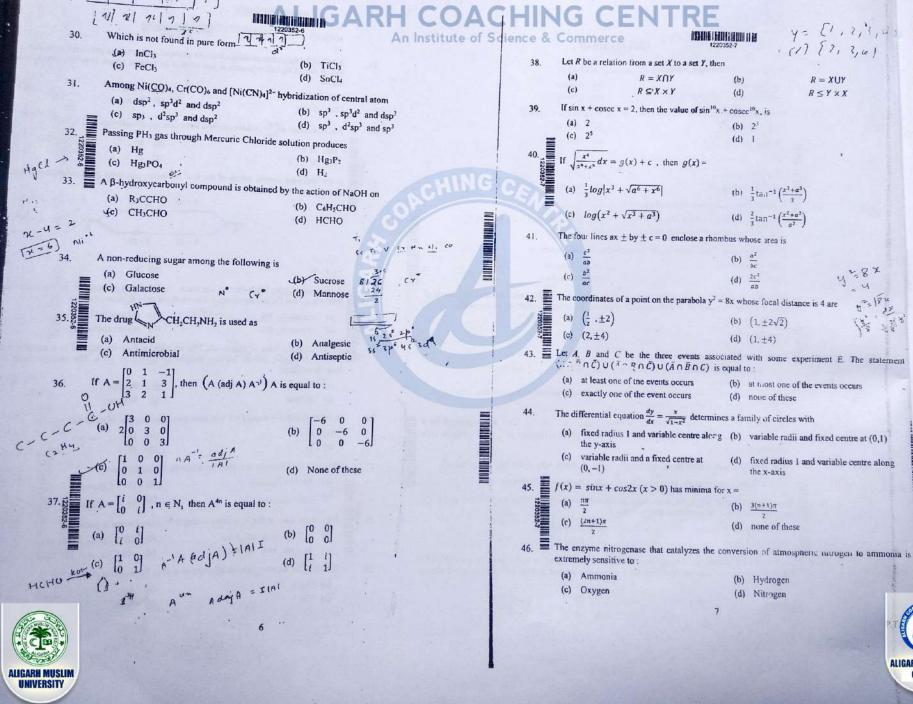
1220352-3



				8	
1.		Who	was the author of the famous ancient I	ndian w	ork 'Meghaduta' ?
		. (a)	- Kalidasa	(b)	Banabhatta
		(c)	Vedvyasa	(d)	Kautilya
2.		Whic	th one among the following is the large	st inhab	ited riverine island in the world?
		(a)	Bellur	(b)	
	, <u>=</u>	(c)	Tethy	(d)	
3.	20352	The (Governor of Reserve Bank of India who	resigne	ed in December 2018 is :
	3	(a)	Harthik Patel	(b)	Urjit Patel
		(c)	Uma Kant Desai	(d)	Table Total Control of the Control o
4.		River	Godavari falls into the		
		(a)	Arabian Sea	(b)	Bay of Bengal
		(c)	Gulf of Khambat	(d)	Rann of Kutch
			E/		
5.		Whic	h of the following countries hosted the	first Asi	an Games held in the year 1951?
		(a)	Japan E	(b)	
	12	(c)	Philippines	(d)	Indonesia
6.	20352	Cauv	eri Water Management Authority was c	onstitute	ed to address water dispute amongst states o
	۵	(a)	Tamilnadu, Andhra Pradesh, Karnataka, Poducherry	(b)	Maharastra, Tamilnadu, Karnataka, Kerala
		(c)	Tamilnadu, Maharastra, Karnataka, Andhra Pradesh	(d)	Tamilnadu, Karnataka, Kerala and Poducherry
7.		Whic	h of the following is NOT correctly mat	ched?	
		(a)	NASA - USA	(b)	ISRO – Russia
		(c)	UNO - New York	(d)	WHO - Geneva
8.		Who	was the first ruler of Khalji dynasty?		No.
		(a)	Balban	(b)	Mohammad Ghori
	_	(c)	Alauddin Khaiji	(d)	JalaluddinFiruz Khalji
9.		Ayodl	naya is situated on the banks of the river		
	1220	(a)	Gomti	(b)	Ghaghra
	352-3	(c)	Saryu	(d)	Ganga
10.		Chaud	hary Charan Singh International Airpor	t is in :	
	=	(a)	Kolkata	(b)	Lucknow
		(c)	Guwahati	(d)	

(d) Goa

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47.	Water potential of pure water at standard	temperature is equal to	50	Which are the Callerine is us	
	(a) 10	(b) 20	, 58.		ed as food supplement by space travelers ?
	(c) Zero	(d) Below Zero		(g) Spirutina (c) Lminaria	(b) Ectocarpus
48.	In C4 cycle initial reduction process of C			E7.5	(d) Spirogyra
	(a) Mesophyll cells		59.	Which among the following are o	AND THE RESERVE OF THE PARTY OF
	(c) Palisade parenchyma	(b) Bundle sheath cells	3 - 14	(a) Ascomycetes	(b) Thycomycetes
		(d) Cytosol		(c) Basidiomycetes	(d) Deuteromycetes
49. 5	An immunosupperessant agent used in o	rgan transplants is	60	Rhizopus commonly called as 'br	ead mold 'belongs to
2035	(a) Penicillin	(b) Gentamycin	2203	(a) Phycomycetes (c) Basidiomycetes	(b) Ascomycetes
2-8	(c) Cyclosporin A	(d) Sporo-pollenin	52-9	(c) Basidiomycetes	(d) Deuteromycetes
50.	Apophysis of 'Moss' is:		6 1.	Deoxyribose and ribose sugars di	ffer in a oxygen atom at which position of the carbon?
	(a) Lower part of capsule	(b) Part of Peristome	ASSET TO	(a) 2'	(b) 3°
	(c) Apical part of capsule	(d) Sterile filaments in male receptacle		(c) 5°	(d) 1
51.	An individual having both the alleles of	a contrasting character is said to be	62.	Which of the following is NOT a	n essential aminoacid for humans ?
	(a) Homozygous	(b) Heterozygous		(a) Histidine	(b) Lysine
	(c) Dioecious	(d) Monoecious		(c) Alanine	(d) -Tryptophan
52.	Which of the following depicts dihybrid	Iratio ?	63.	A true species consists of a popu	lation
72.	(a) 3:1	(b) 9:3:3:1		(a) Sharing the same niche	(b) Interbreeding
122	(c) 3:4	(d) 9:4:4:2	2203	(c) Feeding over the same for	od (d) Reproductively isolated
53.8		otypes AaBB, AaBb, aaBB and aaBb will be obta	ined in 64.	Collectotrichumbelongs to the fa	mily
53.0	which of the following ratios?	otypes Aabb, Aabb, aabb and sabb and sabb		(a) Basidiomycetes	(b) Phycomycetes
	(a) 2:4:1:2	(b) 2:2:2:2	73	(e) Deuticalycetes	(d) Ascomycetes
	(a) 2:4:1:2 (c) 1:1:1:1	(d) 1:2:2:1		The state of the s	
			65.	The girth of the stem increases d	
54.	Flow of genetic information from DNA			(a) Lateral meristem	(b) Intercalary meristem
	(a) Transcription	(b) Translation		(c) Apical meristem	(d) Nodal meristem
	(c) Reverse transcription	(d) Transition	66.	Which of the following cell type	s are deficient in the enzyme HGPRT?
55.	Quiescent centre in plants is found at			(a) Myeloma cells	(b) Splenocytes
	(a) Root tip	(b) Shoot tip		(c) Both (a) and (b) above	(d) Hybridoma cells
	(c) Cambium	(d) Leaf tip	66.	Which of these is a water soluble	e, 17 amino acid peptide hormone of the digestive system?
56. 1220352-8	Which strain of Bacillus is used to produ	uce insect resistant Btcotton ?		(a) Secretin	(b) Gastrin
56.	Which strain of <u>Figernas</u> is used to pro-	(b) Bacillusthermoruber	1220	(c) CCK	(d) GIP
203	(a) Bacillusthermophilus	(d) Bacillusthuringiensis	852-1		C1 11: 2 C 10
52-8	(c) <u>Bacillusthioparans</u>		68.	In sickle cell anaemiawich chain	
57.	Chlorophyll-bearing, simple, thalloid, a	utotrophic, largely aquatic organisms are	to the same	a) α-chain	(b) β-chain
	(a) Bryophytes	(b) Algae		(c) δ-chain	(d) y-chain
	(c) Protista	(d) Pteridophytes			Δ
4		00 6 b			





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(59.	The	canal system of sponges do not	help in			80.	The three dimensional structure of t-RNA is		
		(a)	Locomotion		Nutrition	1	80.	(a) Twisted L-shape	(b)	Clover leaf shape
		*(4)	Respiration	30.00	Excretion			(c) T shape		Rose shape
7	0.	Whic	ch of the following immunoglo associated with μ-chain?	bulins is a pentan	ner with maximum number of diasaccha	aride	81.	In a normal man, the trachea divides into ri-	ght and	left primary bronchi, approximately a
	=	(a)	IgG ₃	(b)	IgA		-	(a) 7th cervical vertebra	, (b)	5th thoracic vertebra
	_	(c)	IgM	20,000	IgE		=	(c) 1st Lumbar vertebra	(d)	12th thoracie vertebra
7	1.22	The ti	rigger for ovulation is the sudd	en increase in the	level of		82.8	The antibody mainly associated with allergic	manifes	tation is .
	2-10		estrogen		progesterone	9 (1 kg	352-1	(a) IgE		IgG
		(c)	FSH	(d)				(c) IgA		IgD
73	2.	Which	h of the following unwinds DN	A and breaks hvo	trogen bonds?		83.	During buccal respiration in frog		
			DNA ligase		DNA relicase	ither	03.	(a) Nostrils remain closed and plottis	(b)	Nostrils remain open and glottis rema
		(c)	DNA topoisomerase		DNA pol δ			remain open		closed
73		The i	nterspecific intéraction in wh		is benefitted whereas the other is ne			(c) Both nostrils and glottis remain closed	(d)	Both nostrils and glottis remain open
,,,		benefi	tted nor harmed, is called	ich one species	is benefitted whereas the other is ne	ther	84.	The protein which enables transport of gluco	se into c	ells is called
	-	car	commensalism	(b)	ammensalism		_	(a) Glut-4	(b)	Receptor
		(c)	mimicry	(d)	symbiosis		<i>i</i> =	(c) Collagen	(d)	Glucagon
74	1720	Kohler	and Milestein developed whi	ch one of the foll	owing techniques?		85.8	Protists are		
	352-	(a)	RIA		Hybridoma		352-	(a) Unicellular prokaryotes	(b)	- Unicellular eukaryotes
	=		Double immunodiffusion	(d)	Elispot			(c) Multi-cellular prokaryotes	(d)	Multi-cellular eukaryotes
75.		Anima	le may be classified on the bas	is of the removal	of nitrogenous wastes. Alligators are:		86.	Fill in the blanks with a suitable relative pro	noun.	
			Ammonotelic		Ureotelic			Man is the only animal can talk.		
×			Uricotelic		Aminotelic			(a) which	(1-)	that
				(-)				(c) such		whom
76.			salivary glands are	43	Branched simple saccular gland				(4)	
			Compound sacculargiand		Compound tubular gland		87.	Fill in the blank with an appropriate modal.		
		and a	Tubulo-alveolar gland	300				He worked hard lest hefail again.		
77.	1	The edg	ges of the infundibulum posses					(a) would	(b) should
	=	(a)	Microvilli		Fimbriae			(c) need	(d) ought to
		(c) (Chorionic villi	(d)	Free villi		88	Fill in the correct preposition		
78.	3	Comple	ment which causes chemotaxi	s and mast cell a	ctivation is		22035	It is important to abstainalcohol.		
- 1			C5a	(b)			2-11	(a) from	in	b) by
-			26	(d)	C7			(c) with		i) of
	≣.	100000	ective filteration pressure in th	e kidneys of heal	thy man is nearest to	175			,,	
79.	1				10 mm of Hg	1	89.	Find the odd one in the given list		
			15 mm of Hg		120 mm of Hg	1		(a) prolapse (c) haemorrhoids		b) andoig d) leotard
		(c) 7	70 mm of Hg. '	(4)		1			,	d) icolaid
150						101			11	A) E



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A baby kangaroo is called 90. (a) loev Calf (c) Kid Pupa (d) To take the bull by the horns' means 91. Face challenges holdly coercing others by fear raising voice against system attacking enemy Fill in the correct preposition. the committee (a) on (b) in (c) with (d) besides 93. What does uncanny mean. (a) Strange Unexpected (c) Dirty Horrific "Man proposes, God disposes". This statement is an example of 94. Hyperbole Antithesis (c) Epigram Pun Choos: the correct spelling. (a) Stethoscope Staythescope (c) Steythoscope (d) Stithoscope Instruction for Q96-99: Read the paragraph carefully and answer the questions that follow: Padmashri S. Natarajan started his career as a science teacher in St. Gabriels' High School, Broadway, Chennai. He was a devoted teacher, much loved by his students, colleagues & the Headmasters. His involvement in Teacher's Union in no way affected his school duties. In a rarest of rare happenings, the catholic management made a non-catholic S. Natarajan, the headmaster in the twilight of his career. It was a recognition & appreciation of the dedication of Natarajan to the school. What is the paragraph about? 96. (b) Personal life of S. Natarajan Political life of S. Natarajan Catholic Management Professional life of S. Natarajan Give the meaning of the phrase 'twilight of his career'. Saturation point of his career Peak of his career (d) The time of decline of his career Start of his career Which of the following statements is incorrect. He was involved in Teacher's Union Padmashri S. Natarajan was science teacher (d) He was appreciated for his hard work. (c) He was a catholic priest

- Give the adjective form of the word appreciation
 - (a) Appreciable

(b) Appreciate

(c) Appreciation

(d) Appreciated

Select the a verb form of the underlined word(s). 100.

Write with neatness.

(a) neatly

(b) nattily

(c) neatnessly

(d) neat

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ALIGARH MUSLIM UNIVERSITY, ALIGARH Answer Key (DPGN) Admission Test 2020-21

SERIES: B

0.37	A				
Q.No.	Answer				
1 2 3	A D				
2	В				
3					
5 6	В				
5	- B				
6	D				
7 8	B. D				
	D 0				
9	C B				
10	В				
11· 12	C				
12	С.,				
13 .	В .				
14	C C B				
15 .	В				
16	D				
17	C				
18	A				
19	C A A A B				
20 .	. A				
21 22	В				
22	B·				
23 24	, D				
24	D				
25	В				
26.	C				
27	D. A. D				
27	Α .				
29					
30 .	В				
31	C				
32	В				
33	C				
34	В				
35.	A				
36	. A				
	C				
37	0				
38	C				
39	_ A				
40	C				
The second secon	Contract of the Contract of th				

		30				
Q.No.	Answer	•				
41	A					
42	A C					
43	A D					
44	D					
45	C					
46	. C					
47	·C					
48	В					
49	C					
50						
51	A C					
51 52	В	L				
53	C					
54	A'	Ĭ.				
55	A					
56	D					
. 57	В	1				
58	A	1				
59	C A A D B A A A A A					
60						
61	· A					
62	·C					
- 63	D C	1				
64	C					
65	A A B B					
66	A					
67	В					
68	В					
69	A	1				
70	C	1				
	D	1				
72	В	1				
71 72 73 74 75 76 77 78 79	B A B B C C B A	1				
71	R	1				
74	D	+				
75	, C	\dashv				
76		-				
77	В					
78	A					
.79	$\frac{B}{A}$					
80	A					
		-				

Q.No.	Answer
81	В
82	A'
83	В
84	A
85	В
86	В
87	В
88	A
89	D
90	A
91	A.
92	A
93	A
94	В
95	A
96	A C
97	D
98	С
99	A
100	A

COORDINATOR DATED: 14.11.2020