Question Booklet Series Code: A

Question Book Serial No: 200669

LT-2021 Time Allowed: 02.00 hours

Maximum Marks: 100

ସ୍ୱର୍ବାଧିକ ମାର୍କ: 100

ନିର୍ଦ୍ଧାରିତ ସମୟ : 02.00 ଘଣ୍ଟା Read the following instructions carefully before you begin to answer the questions.

This Booklet contains 100 objective type questions with multiple choice answers in three Parts.

There shall be negative marking @0.25 mark for each wrong answer / multiple answers.

Part-I contains 10 questions on Arithmetic which are available in both English and Odia version. In the case of discrepancy in meaning, the English version will prevail.

Part-II contains 85 questions on Medical Laboratory Technology course which includes questions based on practical skill to assess the practical skill of the candidates.

ପ୍ରଶ୍ୱଗୁଡିକର ଉତ୍ତର କରିବାପୂର୍ବରୁ ନିମ୍ନ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନସହ୍କାରେ ପଢନ୍ତୁ। ଏହି ପୁଞ୍ଚିକାରେ ତିନିଗୋଟି ଭାଗରେ 100ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତି ପ୍ରଶ୍ୱ ରହିଛି । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ୱର ସଠିକ ଉତ୍ତର ପାଇଁ ଏକ ମାର୍କ ରହିଛି।

ପ୍ରତ୍ୟେକ ଭୁଲ ଉତ୍ତର ପାଇଁ ଜିମ୍ ଏକାଧ୍କ ଉତ୍ତର ପାଇଁ 0.25 ମାର୍କ ଲେଖାଏଁ ବିୟୋଗ କରାଯିବ ।

ପ୍ରଥମ ଭାଗରେ ଗଣିତର 10ଟିଁ ପ୍ରଶ୍ୱ ରହିଛି ଯେଉଁଥିରେ ଇଂରାଜୀ ରୁ ଓଡିଆକୁ ଭାଷାନ୍ତର ଉପଲନ୍ଧ । ଅର୍ଥବୋଧରେ କିଛି ତାରତମ୍ୟ ଥିଲେ ଇଂରାଜୀ ଭାଷା ବଳବଉର ରହିବ ।

ତୃତୀୟ ଭାଗରେ Medical Laboratory Technology ବିଷୟରେ (practical skill based ପ୍ରଶ୍ନ ସହିତ) 85ଟି ପ୍ରଶ୍ନ ରହିଛି। ସମୟ ପୁଶ୍ନ ବାଧ୍ୟତାମୂଳକ ।

INSTRUCTIONS FOR CANDIDATES

1. Before answering any question, check the Booklet and ensure that it contains 12 pages and no page is missing, mutilated or repeated. In case of any such defect, get it replaced immediately

- 2. The Invigilator shall supply you the blank Two Part carbonless OMR Answer Sheet separately. Enter your Roll Number, Question Booklet Serial Number and Question Booklet Series Code and darken the corresponding circle/oval provided on the Answer Sheet at the appropriate space carefully by black/blue ball point pen only. You must write the name, date and centre of examination and put your full signature in the appropriate space provided therein before answering any question.
- 3. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you are incomplete or different from what you have given in the application form, you shall be awarded Zero marks.
- 4. Answer must be given by completely blackening one of the four circles/ovals representing the correct answer given on the Answer Sheet corresponding to the relevant question by using Black/Blue ball point pen only. Answers not shown by properly darkening in black/blue ball point pen, no marks shall be awarded.
- 5. No Rough work should be done on the OMR Answer Sheet. Space for rough work has been provided in the Question Booklet itself.
- 6. Correcting fluid, eraser, blade, books, textual material, scripts, notes/loose paper, calculator, docupen, slide rules, log tables, electronic watches, smart watch, cell phone, pager, other electrical/electronic devices etc. are not allowed inside the examination hall. In case the candidate is found to be in possession of any of the above, he/she shall be expelled from the examination without any enquiry whether the same was/were used by the
- candidate or not. 7. These instructions must be complied with fully, failing which your Answer Sheet shall not be evaluated and Zero marks will be
- 8. After the examination is over, candidates must ensure to fold the OMR Answer Sheet at the perforation and separate the Original Copy and Candidate's Copy of the Two Part OMR Answer Sheet in the presence of the Invigilator and handover the Original Copy to the Invigilator. The Candidate's Copy of the OMR Answer sheet may be taken by the candidate. Failure to hand over the original copy of the OMR Answer Sheet to the Invigilator before leaving the examination hall/room shall make the candidate liable for penal
- 9. Failure to comply with any of the above instructions shall be considered as adopting unfair means and action as deemed proper

ପ୍ରାର୍ଥୀମାନଙ୍କ ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ

- ୧.କୌଣସି ପ୍ରଶ୍ୱର ଉତ୍ତରଦେବା ପୂର୍ବରୁ ପୃଷ୍ଟିକାଟିକୁ ତନଖ୍ ଦେଖନ୍ତୁ କି ଏଥିରେ ୧୨ ପୃଷ୍ଠା ଅଛି ଓ କୌଣସି ପୃଷା ନଷ, ପୁନରାଚୃତ୍ତି କିମ୍ବା ଛାଡି ହୋଇନାହାଁ କୌଣସି ତ୍ରୁଟିଥିଲେ ତାକୁ ତୁରନ୍ତ ବଦଳ କରାଇନିଅନ୍ତୁ।
- ୨. ନିରୀକ୍ଷକ ଆପଣଙ୍କୁ ପୃଥକଭାବେ ଓଏମ୍ଆର୍ ଉତ୍ତରଫର୍ଦ୍ଦ (Two Part carbonless OMR Answer Sheet) ଦେବେ । ଉରରଫର୍ଦ୍ଦର ଯଥା ସାନରେ ଆପଣଙ୍କ ରୋଲନମ୍ବର, ପ୍ରଶ୍ୱପୁଷ୍ଟିକା କ୍ରମିକନମ୍ବର ଏବଂ ପ୍ରଶ୍ୱପୁଷ୍ଟିକା ସିରିଜ କୋଡ୍ ଉଲେଖ କରନ୍ତୁ ଏବଂ ତା ପାଇଁ ଉଦ୍ଧିଷ୍ଟ ବୃତ୍ତ / ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା / ନୀଳ କାଳିର ବଲପଏୟ କଲମ ହାରା କାଳି କରନ୍ତୁ । ସେଠାରେ ପ୍ରଦିଭ ନିର୍ଦ୍ଦିଷ୍ଟ ସ୍ଥାନରେ ପରୀକ୍ଷାର ନାମ, ତାରିଖ ଓ ପରୀକ୍ଷା କେନ୍ଦ୍ରର ନାମ ନିର୍ଣ୍ଣିତ ଭାବେ ଲେଖନ୍ତୁ ଏବଂ କୌଣସି ପ୍ରଶ୍ୱର ଭତ୍ତରଦେବ। ଆଗରୁ ଯଥାସ୍ଥାନରେ ଆପଣଙ୍କ ପୁରା ବଞ୍ଚଖତ କରନ୍ତୁ ।
- ୩. ଓଏମ୍ଆର୍ ଉତ୍ତରଫର୍ଦ୍ଦରେ ଆପଣ ଉଲ୍ଲେଖ କରିଥିବା ସାଙ୍କେତିକ ତଥ୍ୟକୁ ଗୋଟିଏ ଯନ୍ତ ପଢ଼ିବ । ତେଣୁ ଆପଣଙ୍କର ଏହି ପ୍ରଦର ତଥ୍ୟ ଯଦି ଦରଖାୟ ଫର୍ମରେ ଦିଆଯାଇଥିବା ତଥ୍ୟଠାରୁ ପୃଥକ କିମ୍ବା ଅସମୂର୍ତ୍ତ ହୁଏ, ଆପଣଙ୍କୁ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
- ୪. ଉରରଫର୍ଦ୍ଦରେ ଥିବା ସମ୍ପୃକ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ପାଇଁ ଉଦ୍ଧିଷ୍ଟ ବୃତ୍ତ / ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା / ନୀଳ କାଳିର ବଲପଏୟ କଲମ ହାରା କାଳିକରି ଉଉଁର ଦିଅନ୍ତୁ । କଳା / ନୀଳ ବଲ ପଏ& କଲମ ହାରା ସଠିକ୍ ଭାବେ କାଳି କରାଯାଇନଥିବା ଉରର ପାଇଁ କୌଣସି ମାର୍କ ଦିଆଯିବ ନାହିଁ ।
- ୫. ଓଏମ୍ଆର୍ ଉଭରଫର୍ଦ୍ଦରେ ରଫ୍ କାମ କରନ୍ତୁ ନାହିଁ । ପ୍ରଶ୍ମପୁୟିକାରେ ରଫ୍ କାମପାଇଁ ଖାଲିକାଗା ଦିଆଯାଇଅଛି ।
- ୬.କୌଣସି ଧଉଳାଇବା ରଙ୍ଗ, ରବର, କ୍ଲେଡ୍, ବହି, ଛାପା / ହାଡଲେଖାକାଗଜ, କାଲକୁଲେଟର, ଡକୁପେନ, ସ୍ଲାଇଡ ରୁଲ, ଲଗ ଟେବୁଲ, ଇଲେକଟ୍ରୋନିକ ଘଣ୍ଣା, ସ୍ନାର୍ଟ ପ୍ୟା,ମୋବାଇଲ ଫୋନ, ପେକର, ଅନ୍ୟ ବୈଦ୍ୟୁତିକ/ଇଲେକଟ୍ରୋନିକ ଉପକରଣାଦିକୁ ଆପଣ ପରୀକ୍ଷା ହଲ / କୋଠରୀ ଭିତରକୁ ନେଇ ପାରିବେ ନାହିଁ । ଯଦି ଉପରୋକ୍ତ କୌଣସି ଉପକରଣ ଆପଣଙ୍କ ପାଖରୁ ଉଦ୍ଧାର କରାଯାଏ, ବ୍ୟବହାର କରିଥାନ୍ତୁ ବା ନ କରିଥାନ୍ତୁ, ବିନା ତଦନ୍ତରେ ଆପଣଙ୍କୁ ତୁରତ୍ତ ପରୀକ୍ଷାରୁ ବାସନ୍ଦ କରାଯିବ ।
- ୭. ଏହି ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସଂପୂର୍ଶ୍ୱଭାବେ ନିଷ୍ଟିତ ପାଳନକରନ୍ତୁ, ଅନ୍ୟଥା ଆପଣଙ୍କ ଉରରପତ୍ରର ମୂଲ୍ୟାୟନ କରାଯିବ ନାହିଁ ଏବଂ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
- ୮. ପରୀକ୍ଷା ସରିବା ପରେ ପରୀକ୍ଷା ହଲ ଛାଡିବା ପୂର୍ବରୁ ଆପଣଙ୍କ Two Part carbonless OMR Answer Sheet ଉଉରଫିର୍ଜିର Original Copy ଓ Candidate's Copy ନିରୀକ୍ଷକଙ୍କ ଉପସ୍ଥିତିରେ ଚିହ୍ନ ଥିବା ସାନରେ ସଠିକ ଭାବେ ଭାଙ୍ଗ କରି ଚିରି ପୃଥକ କରନ୍ତୁ ଓ Original Copyଟିକୁ ନିରୀକ୍ଷକଙ୍କୁ ହୟାନ୍ତର କରନ୍ତୁ । ଅନ୍ୟଥା ପରୀକ୍ଷାର୍ଥୀ ଆଇନାନୁଯାୟୀ ବଣ୍ଠନୀୟ ହେବେ । ଓଏମ୍ଆର୍ ଉରରଫର୍ଦ୍ଦର ପ୍ରାର୍ଥୀଙ୍କ ପାଇଁ ଉଦ୍ଦିଷ୍ଥ୍ବା କପିଟିକୁ (Candidate's Copy) ପରୀକ୍ଷାର୍ଥୀ ନେଇଯିବେ ।
- ୯. ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀରୁ କୌଣସି ନିର୍ଦ୍ଦେଶର ଅନୁପାଳନରେ ଖିଲାପକଲେ ଏହାକୁ ଅସତ ଉପାୟ ଅବଲମ୍ବନ କରିଛନ୍ତି ବୋଲି ବିବେଚନା କରାଯିବ ଏବଂ ପରୀକ୍ଷାର୍ଥୀଙ୍କ ବିରୁଦ୍ଧରେ ଯଥୋଚିତ କାର୍ଯ୍ୟ।ନୁଷାନ ଗ୍ରହଣ କରାଯିବ ।

DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

The first particular of the product of the second displacement of the product of

<u>Part-I</u> <u>ARITHMETIC: 10 Marks</u>

Instructions: Each Question under this Part carries One mark. Please read the questions carefully and answer them by selecting correct answer out of the multiple answers given below each as A, B, C and D. There shall be negative marking @ 0.25 mark per question for wrong/multiple answers.

1. Which number shoul	d replace both the '*' s i	$ \inf \left(\frac{*}{18}\right) \times \left(\frac{*}{162}\right) = 1? $	
$\left(\frac{*}{_{18}}\right) \times \left(\frac{*}{_{162}}\right) = 1 $ ରେ ବ	କଉଁ ସଂଖ୍ୟାଟି ଉଭୟ '≭'ର ଛାନ	ନ ନେଇପାରିବ ?	
(A) 18	(B) 54	(C) 162	(D) 2916
	find the value of $\sqrt{562}$	$5 + \sqrt{56.25} + \sqrt{0.5625}$	
ଯଦି √5625 = 75 ହୁଏ, େ	ତବେ $\sqrt{5625} + \sqrt{56.25} +$	- $\sqrt{0.5625}$ ର ମୂଲ୍ୟ କେତେ ?	
(A) 56.25	(B) 832.5	(C) 8.325	(D) 83.25
3. The H.C.F. of two nu ଦୁଇଟି ସଂଖ୍ୟାର ଗ୍ୟା-ଗୁ 9 ସ	ımbers is 9. Which one c ଅଟେ ।ନିମ୍ନଲିଖିତ ସଂଖ୍ୟାଗୁଡିକ ମଧ	of the following numbers can ଧ୍ୟରୁ କେଉଁଟି ସେମାନଙ୍କର ଲ·ସା·ଗୁ ହୋ	never be their b.c.ivi.? ଇପାରିବ ନାହିଁ ?
(A) 36	(B) 54	(C) 66	(D) 81
4. Find the value of $\frac{0.6}{1}$	$\frac{67 \times 0.67 - 2 \times 0.67 \times 0.52 + 0.5}{0.67 - 0.52}$	2×0.52	
$0.67 \times 0.67 - 2 \times 0.67 \times 0.67 \times 0.67 = 0.67 - 0.52$	52+0.52×0.52 2		
(A) 0.15	(B) 1	(C) 1.19	(D) 0.30
numbers is 33, the la	rgest number is: 1ୟ ସଂଖ୍ୟାଟି ପ୍ରଥମ ସଂଖ୍ୟାର ଦୁଢ	t and is also thrice the third. I ରଗୁଣ ଏବଂ ତୃତୀୟ ସଂଖ୍ୟାର ତିନିଗୁଣ ଅ	f the average of the three ଟେ । ଯଦି ଡିନୋଟି ସଂଖ୍ୟାର ହାରାହାରି 33
(A) 18	(B) 27	(C) 54	(D) 81
6. If the side of a squar	e is increased by 40%, it		
(A) 100%	(B) 96%	(C) 80%	(D) 60%
7. Two numbers are in number is:		led to each number, the ratio l	pecomes 6:7. The sum of the
ଦୁଇଟି ସଂଖ୍ୟାର ଅନୁପାତ 4 ଯୋଗଫଳ କେତେ ?	।:5 ଅଟେ । ଯଦି ପ୍ରତ୍ୟେକ ସଂଖ	୍ୟାରେ 24 ଯୋଗ କରାଯାଏ, ତେବେ ଅ	ନୁପାତ 6:7 ହୁଏ । ତେବେ ସଂଖ୍ୟା ଦୁଇଟିର
(A) 81	(B) 90	(C) 99	(D) 108
8. A grocer sells rice at	ଗତକଡା 20 ଲାଭରେ ଚାଉଳ ବିକ୍ରି	weight which is 20% less. Fi କରନ୍ତି ଏବଂ ଶତକଡା 20 କମ୍ ଓଜନ ଥି	nd out overall gain percentage. ଧିବା ବଟକରା ବ୍ୟବହାର କରନ୍ତି । ତେବେ
(A) 50%	(B) 40%	(C) 30%	(D) 20%
9. A man takes as muc speeds of the man a	ch time in running 16 me	tres as a car takes in covering	64 metres. The ratio of the
		ଏ, ଜଣେ ପୁରୁଷ 16 ମିଟର ଅତିକ୍ରମ କର୍	ରିବାକୁ ସେତିକି ସମୟ ନିଅନ୍ତି । ତେବେ ପୁରୁଷ
ଏବଂ କାର୍ର ବେଗର ଅନୁପ (A) 2 : 3	(B) 4:1	(C) 1:4	(D) 3:4

	uays:			and the second second second second
	17 ଜଣ ପୁରୁଷ ଗୋଟିଏ କାର୍ଯ୍ୟକୁ	5 ଦିନରେ ଶେଷ କରିପାରନ୍ତି । ତେବେ	କେତେ ଜଣ ପୁରୁଷ ସେହି କାର୍ଯ୍ୟଟିକୁ	$8rac{1}{2}$ ଦିନରେ କରିପାରିବେ ?
	(A) 8	(B) 10	(C) 12	(D) 15
			Part-II	Which manaber should repla
		ENG	LISH: 05 Marks	
	answer the questions each as A, B, C and I	by selecting the most appro	opriate answer out of the m	he instructions carefully and ultiple answers given below multiple answers.
11	· The teacher said, "Hones		ANGERIA STEEN A TOO	
• • •	(Transform the sentence			
	(A) The teacher said that	honesty is the best policy.		
		honesty was the best policy.		
	(C) The teacher said that	honesty was the best pone honesty will be the best po	policy.	
12			SESKED+SZAKTEOKZOS	64 1 × 1 5.0
12.	Cut your coat according (Choose the correct mean	ning in Odia of the English	proverb.)	
	(A) ଧୂର ପାଣି ପଥର କାଟେ	(B) ଆକାଶ କଇଁଆ ଚିଲିକା ମାଛ	(C) ଆୟ ଦେଖି ବ୍ୟୟ କର	(D) ଗରଜିଲା ମେଘ ବରଷେ ନାହିଁ
13.	The Gangesa (Fill in the blank with ap)	a holy river. propriate verb.)		
	(A) are	(B) is	(C) am	(D) were
14.	Haste makes <u>waste.</u> (Choose the correct part	of speech of the underlined	word.)	
	(A) noun	(B) pronoun	(C) Adjective	(D) Adverb
15.	The boy is devoid (Fill in the blanks with ap	common sense.		
	(A) from	(B) into	(C) of	(D) in
		MEDICAL LABORAT	<u>Part-III</u> ORY TECHNOLOGY : 85	Marks
	answer the questions each as A, B, C and I	by selecting the most appro	opriate answer out of the m	ne instructions carefully and ultiple answers given below
16.		ouncture bright red blood sp		
	(A) An arterial puncture	e (B) High hemoglobin	(C) High blood pressure	(D) High blood ph
17.	Outer-cortex of kidney is		–	serif dagree on a growing
	(A) Blue-black	(B) Reddish-brown	(C) Yellowish-green	(D) Orange-red
8.	Smear should be prepared	d and fixed immediately for	cytology because:	
	(A) Exfoliated cells deg (C) The nuclei of the ce	enerate rapidly lls get extruded from the ce	(B) Exfoliated cells m	

19. Which part of central nerv	ous system is present in the	o voiconai canai.	
(A) Cerebrum	(B) Mid brain	(C) Cerebellum	(D) Spinal cord
20. Which skin test is done to	demonstrate circulating di	phtheria antitoxin.	
(A) Petroff's method 21. Which of the following is	(B) Mantoux test a substitute for crystal viol	(C) Schick's test let used in gram-staining p	(D) Lepromin skin test
(A) Methylene blue	(B) Bromocresol green	(C) Safranin	(D) Phenolpthalene
22. Which chondroitin sulpha			
(A) Chondroitin sulfate (C) Chondroitin sulfate I		(B) Chondroitin sulfate(D) All options	C
23. Which of the following ite	ems are examples of storage	e devices?	
(A) Floppy / hard disks 24. What is the name of the co	(B) CD-ROMs omputer terminal which given	(C) Tape devices wes paper printout?	(D) All of the above
(A) Display screen 25. The respiratory gases that	(B) Soft copy terminal are present in plasma are	(C) Hard copy terminal	(D) Plotter
(A) Helium and oxygen (C) Oxygen and carbon ((B) Nitrogen and oxygen (D) Hydrogen and oxygen	
26. In the human body, the la	rgest endocrine gland is ca	lled.	
(A) Parathyroid gland 27. Largest virus is:-	(B) Thyroid gland	(C) Pituitary gland	(D) Adrenal gland
(A) Parvo Virus	(B) Herpes Virus	(C) Pox Virus	(D) Mycoplasma
28. Cholesterol is synthesized	d mainly in which part of the	he body.	
(A) Heart	(B) Lung	(C) Liver	(D) Kidney
29. Glycosylated hemoglobin	is performed on the follow	ving sample:	
(A) Serum 30is secreted by	(B) Plasma posterior pitutitary gland.	(C) Whole blood	(D) Urine
(A) Vasopressin (C) Growth Hormone		(B) Luteinizing Hormon (D) Follicle Stimulating	
31. For electron microscopy s	study, dehydration of tissue	e is started with	percent alcohol.
(A) 40% 32 Which solvent is not flam	(B) 50% mable:	(C) 60%	(D) 70%
(A) Ether 33. During section cutting if J	(B) Ethanol paraffin wax is too soft, the	(C) Methanol en section is	(D) Saline
(A) Crumbled 34. Which piece of histology	(B) Thick equipment is not temperate	(C) Thin ure dependant:	(D) None option
(A) Wax 35. Neuromuscular transmiss	(B) Microtome	(C) Embedding center	(D) Water bath
(A) Acetylcholine	(B) Lipoprotein	(C) Triglyceride	(D) Nitroglycerine

36. Knott concentration meth	od is used for demonstration	n of	
(A) Malarial parasite in blood film(C) Leishmania donovani in bone marrow aspirate		(B) Microfilariae in peripheral blood film(D) Trypanosoma cruzi in blood.	
37. Antioxidant property of v	itamin C is due to:		
(A) Phenolic hydroxyl g(C) Active reducing ground		(B) Sulfhydryl group (D) Alcoholic group	
38. Catalase production is neg	gative in which of the follow	ving?	
(A) Streptococcus 39. Which of the following is	(B) Salmonella cytological fixative.	(C) Proteus	(D) Staphylococcus
(A) Flemming's fluid 40 is the longest bo	(B) Carnoy's fluid	(C) Gendre's fluid	(D) None option
(A) Hip bone	(B) Scapula	(C) Tarsal bone	(D) Femur
41. When virus antigen is abu	` ′ •	be detected by which me	thod.
(A) Complement fixation(C) Neutralization test	n test	(B) Immunofluorescence (D) All options	e test
42. Osteoporosis occurs as a	result of mine	eral deficiency.	
(A) Sodium	(B) Iodine	(C) Calcium	(D) Iron
43. In which condition, there	is no increase in blood gluc	ose level.	
(A) Hyperglycemic glyc	ocuria	(B) Renal glycosuria	
(C) Alimentary glycosur		(D) All options	
44. Which of these amino acid	ds are essential for infants?		
(A) Methionine (C) Valine		(B) Arginine and Histidi (D) Lysine and Leucine	ine passet ()
45. Section cutting is best after	er.		
(A) Heating the block 46. The eosin solution used in	(B) Cold treatment	Later by Ariga News 1910 her tree later	(D) At 37°C
The cosm solution used in	Trand E stams are prepare	u 110111	
(A) Eosin Y 47. Find the INCORRECT sta	(B) Eosin Z atement about the biologica	(C) Eosin C I functions of lipids.	(D) Eosin R
(C) The structural compo (D) Exhibit increased car	nction in bacteria, plant and onent of membranes talytic activity		
48. How many types of tissue	s are present in Human Mu	scular System?	
(A) 3 49. Which fixative is used in		(C) 4	(D) 2
(A) Formalin 50. Animal cells are interconn	(B) Alcohol-ether nected by	(C) Carnoy's fluid	(D) Bovin's fluid
(A) Plasma membrane	(B) Cell wall	(C) Desmosomes	(D) Plasmodesmata

	(A) Storage of clean equ (B) Providing sterile equ (C) Storing sterile equip (D) Pharmacy of the ope	nipment uipment to the operation thea oment eration theatre	ater	en dati i je i i i i i i i i i i i i i i i i i
53	(A) $(C_6H_{10}O_5)n$. The tablet used for gluco	(B) (C ₆ H ₁₂ O ₅)n ose testing in urine is:	(C) $(C_6H_{10}O_6)n$	(D) $(C_6H_{12}O_6)n$
54	(A) Clinitest Chicken-pox is caused by	(B) Ictotest	(C) Ace test	(D) TCA
55.	(A) Herpes simplex vir(C) AdenovirusWhich simple protein is	rus soluble in dilute alcohol but	(B) Varicella virus(D) None optionnot in absolute alcohol.	
56.	(A) Scleroprotein The agents which preven	(B) Histones nt multiplication of bacteria	(C) Prolamines is known as	(D) Protamines
57.	(A) Bactericidal Which alcohol is most f	(B) Disinfectant requently used as skin disinf	(C) Germicidal ectant.	(D) Bacteriostatic
58.	(A) Methyl alcohol Which method is used for	(B) Industrial alcohol or cultivation of viruses.	(C) Isopropyl alcohol	(D) All options
59.	(A) Animal inoculation (C) Tissue culture meth		(B) Inoculation of embr (D) All options	yonated eggs
60.	(A) Trachea Before performing an R	(B) Eustachian tube & M on a specimen, the urin	(C) Oesophagus e would be:	(D) None option
	(A) Filtered (C) Centrifuged	enzyme is a sensitive marker	(B) Brought to room ten (D) Well-mixed	nperature
	(A) Alanine transamina (C) Alkaline phosphata:	se	(B) Aspartate transamin (D) Gamma-Glutamyltr	
62.	Absorption of calcium is	s enhanced by:		
63.	(A) Vitamin Ais not a sal	(B) Vitamin E livary gland	(C) Vitamin D	(D) Vitamin L
64.	(A) Submandibular gla Inability to write is know		(C) Parotid gland	(D) Thyroid gland
65.	(A) Alexia Section cutting machine	(B) Aphasia is also known as:	(C) Agraphia	(D) Myopia
66.	(A) Microtome Which hormone is a poly	(B) Histomat peptide.	(C) Histocut	(D) Histoform
	(A) TSH	(B) Insulin	(C) Both A & B	(D) None option

67. Which type of phospholip	oid is found in brain tissues.		
(A) Phosphatidyl ethanolamine(C) Phosphatidyl serine68. In animals, carbohydrate is stored in which part of the		(B) Phosphatidyl choline (D) Plasmalogens	
68. In animals, carbonydrate	is stored in which part of th	le body.	
(A) Liver 69. Immunoglobuline are wh	(B) Muscles ich type of Protein in Natur	(C) Both A & B e ?	(D) Intestine
(A) Alpha Globulin 70. Fallopian tubes in female	(B) Beta Globulin s has	(C) Gamma Globulin	(D) Delta Globulin
(A) An uterine end	(B) An ampulla	(C) A fumbrial end	(D) All options
71. The secretion from the lu		gnant cells is called:	
(A) Spittle	(B) Semen	(C) Saliva	(D) Sputum
72. Which technique is used	in histology for immediate	diagnosis.	
(A) Paraffin technique(C) Celloidin section tec73. Which converts the user		(B) Frozen section techn (D) None option form?	nique
(A) Input unit, output un(C) Output unit74. Commonest bacteria in n		(B) Central processing to (D) Decoder unit	unit from al lodoca di ad la todoca di ad la t
(A) Bacillus cereus	(B) Lactobacilli	(C) Coliform bacilli	(D) Proteus vulgaris
75. The most common cause	of bacterial sore throat is		
(A) Streptococcus pyog (C) Both A & B	enes	(B) Haemophilus influe (D) Mycoplasma pneun	
76. Which unit converts user	data into machine readable	e form?	
(A) Input unit	(B) Output unit	(C) ALU	(D) Control Unit
77. Iron in tissue is detected	by which reaction.		
(A) Silver impregnation(C) Uranyl nitrate meth78. Silver methenamine stain	od	(B) Prussian blue reacti (D) Toluidine blue met	
		्रत्वे विकासम	tesorptice of calcium is en-
(A) Bacteria79. Large intestine has all pa	(B) Parasite arts except	(C) Fungi	(D) All options
(A) Caecum 80. In which type of stain, th	(B) Sigmoid colon ne organism is stained in a d	(C) Ascending colon lifferent shade of colour fr	(D) Jejunum om that of the stain.
(A) Indirect stain (C) Metachromatic stai		(B) Negative stain (D) Spore stain	
81. Which part supplies nutr	nents from maternal blood t	to the foetus.	
(A) Uterus	(B) Placenta	(C) Fallopian tubes	(D) Vagina

82. What is the responsibilit	ty of the logical unit in the C	PU of a computer?	
(A) To produce result (C) To control flow of 83. What reagent is mutager	information		
D) Fitnerhous	The state of the s	mail (SA)	erest en tra
(A) Crystal violet	(B) Picric acid	(C) Zenker's fluid	(D) Brazil fixative
84. Commercially available	ELISA kits are used for the	detection of	
(A) Rotavirus (C) Anti-HIV antibodio 85. How many ribs are preso		(B) Hepatitis B surface (D) All of these	antigen
(A) 12	(B) 12 pairs	(C) 24 pairs	(D) 14
86. Which acid increases sta		· · · · · · · · · · · · · · · · · · ·	
(A) Hydrochloric acid 87. Name the structure analogous		(C) Nitric acid ed as anticoagulant?	(D) Trichloroacetic acid
(A) Warfarin	(B) Tocopherol	(C) Ergocalciferol	(D) β-carotene
88. Somatic Nervous system	n consists of pairs of	cranial nerves.	
(4) 10	(D) 10	(C) 65	(D) 9
(A) 1289. Which type of radiations	(B) 18	(C) 65	(D) 8
os. Which type of radiations	s are used for stermizing syri	nges & cameters.	
(A) Ultraviolet radiation	ons	(B) Infrared radiations	
(C) Gamma radiations		(D) X-rays	
90. Which enzyme is more a	active between pH 8 and 10.		
(A) Amylase		(B) Lipase	
(C) Alkaline phosphata		(D) Acid phosphatase	
91. Which type of Microsco	pe is mostly used for routine	e microbiological work?	
(A) Phase-contrast Mic (C) Electron Microscop	-	(B) Brightfield Microsc (D) Fluorescence Micro	•
92. Which part of the brain	controls intellectual ability?		
(A) Frantal labo	(D) Domictal John	(C) Tomporal John	(D) Occipital lobe
(A) Frontal lobe	(B) Parietal lobe	(C) Temporal lobe	(D) Occipital love
93. An organ or structure the	at is not a component of the	urmary system.	
(A) Urethra.	(B) Urinary bladder.	(C) Ureter	(D) Adrenal gland.
94. Which method is most c	commonly used for uric acid	estimation.	
(A) Berthelot method (C) Diacetyl Monoxim	e method	(B) Caraway method (D) Sulphosalicyclic ac	id test
95. Most naturally occurring	g antigens are		
(A) Proteins	(B) Lipids	(C) Polysaccharides	(D) Nucleic acids
96. Which biochemical test	` ' '		
(A) Gluconate test(C) Urease test		(B) Oxidation-fermenta (D) Oxidase test	tion test

			200669 / A / Page 10 of 3
97. Cramp is involuntary, pa	inful and localized	of muscles.	
(A) Contraction 98. Which mineral is required	(B) inflammation d for the synthesis of DNA,	(C) Relaxation RNA and phospholipi	(D) Infection ds.
(A) Sodium 99. In essential pentosuria, ur	(B) Calcium rine contains	(C) Potassium	(D) Phosphorus
(A) D-Ribose	(B) D-Xylulose	(C) L-Xylulose	(D) D-Xylose
100. Which enzyme is present		increased in prostatic c	ancer.
(A) Alkaline phosphatas(C) Acid phosphatase		(B) Isocitrate dehydr (D) Amylase	ogenase
	Oderw abigolodos au		
			(A) Phaje-contest Microscop (C) Electristi Microscope

KEPT INTENTIONALLY BLANK USE FOR ROUGH WORK

SPACE FOR ROUGH WORK

