Government Unani Medical College, Ganderbal.

QUESTION CUM ANSWER BOOKLET

[Time: 60 Minutes]

Name of the Candidate

Parentage

Residence

Roll Number

Date of Examination:-

Post Applied For

[Maximum Marks: 60]

Master Orby

24th December, 2022.

: Laboratory Technician

Number of Questions in Booklet = 60

Important Instructions

Please read the following instruction carefully

- Write down the above entries carefully in the question cum answer booklet in (BLOCK LETTERS) and sign at the appropriate place.
- Each objective question is followed by four responses. You have to choose the most appropriate/correct response and write it in the box adjacent to each question.
- 3. Please mark the right response only with BLUE/BLACK ball point pen. Use of pencil and Gel Pen is not allowed.
- 4. Candidates are not allowed to carry any Paper, Notes, Books, Mobile Phones, Scanning Devices, Pagers, Electronic Gadgets, etc. to the Examination Hall. Any candidate found using or in possession of such unauthorized material, including in copying or impersonation or adopting unfair means, is liable to be disqualified.
- After finishing the examination, handover the booklet to the Invigilator/Hall Superintendent. DO NOT carry Question-Answer booklet or any part of it outside the Examination Hall.
- 6. All questions are compulsory. There will be no negative marking.
- 7. No break is permitted during the test.
- In case you finish answering all the questions well before the allotted time, you can review your answers
 in the remaining time. However, you can't leave the Centre before completion of the allotted time.
- 9. In case of any defect, misprint, missing questions or duplication of questions; get the question-answer booklet changed. No complaint shall be entertained after the test.
- 10. Do not use eraser, fluid pen, blades, etc. otherwise your answer/response(s) will be rejected.
- 11. Scratching, overwriting, tick-marks and multiple answers will be considered wrong & no credit will be given for such answers.
- 12. Please sign each page of this booklet at the space earmarked for your signatures.

Signature (G. VIII		
Signature of Candidate	Signature of Invigilator	Signature of Evaluator

Disease that affects many people at differen	nt countries is termed as:	(2)
pradic	b. Pandemic	(B)
demic	d. Endemic	
The colonies produced by Pseudomonas of	on Mac Conkey's medium are	
ie coloured	b. lactose fermenting	(C)
n lactose fermenting	d. none	
Dengue fever is caused by		
acteria	b. Virus	(P)
ungi	d. Rickettsia	(b)
One flagellum at one end of the organism	n is called -	
Monotrichate	b. Amphitrichate	
Lophotrichate	d. Peritrichate	A
Brucella melitensis causes		
Pertusis	b. Plague	(r)
Brucellosis	d. None of these	(6)
. Tuberculosis is a		
. Water borne disease	b. Air borne disease	(B)
. Food borne disease	d. Arthropod borne disease	
7. The ability of Microscope to distinguish	h two objects into two separate objects, is called	
a. Resolving power	b. Wave length	(A)
c. refractive index	d. magnification	
8. Which of these specimens is not the	ideal sample for lab diagnosis of dermatophytes	
a. nail clipping	b. skin scrapping	(c)
c. blood	dhair	
9. Primary stain for gram staining is		
a. Fast green	b. Haematoxylcn	(1)
c. Crystal violet	d. Safranin	(C)
10. Which of the following are acid fast s	structures?	_
a. Mycobacteria	D. Bacteriai spores	(+)
c. Nocardia	d. All of these	(D)
11. What is the function of bacterial cap	b. Helps in adherence of bacteria to surface in its	environment
 a. Protection of organism from phagocytosis 	D. Helps in authoretice of pacteria to surface in its	
c. Both a and b	d. None of these	(c)
12. Ziehl – Neelson stain is a	h Country state	
a. Simple stain	b. Counter stain	(C,
C. Differential stain	d. None of them	

13.	Screening test for AIDS is		
	stern blot test	b. Rapid tests/ ELISA	
c. Bot	h a and b	d. VDRL test	(B)
14.	Acid fast bacteria are		
a. Nei	isseria	h Stophylassoci	
	cobacteria	Staphylococci d. All of the above	(C_{\bullet})
15.	Gram negative bactaria	out of the contract of the contract of the	
a. Pin	Gram negative bacteria appear as	Exerty	
100000000000000000000000000000000000000	ha&b	b. Violet	(A)
C. DOI	il a a b	d. None of these	
16.	Gram positive bacteria appear as		
a. Pir		b. Violet	(D)
c. bot	th a & b	d. None of these	B
17.	Cell-wall is		
a. Th	ick in Gram positive than Gram negative	h Thick in Gram pagethus than One	
	ual in both	 Thick in Gram negative than Gram positive In Gram negative cell-wall is absent 	(A)
		d. In Grain negative cell-wall is absent	
18.	Which of the following organisms can infe	ct humans if improperly cooked meat is used?	
a. Gi	ardia lamblia	b. Taenia saginata	
c. Ta	enia solium	d. Both b and c	(D)
	100 100 100 100 100 100 100 100 100 100		
19.	Clear-zones formation around antibiotic i	n Kirby bauer test is due to	
a. Gr	owth of the bacterium surrounding of the disc	b. Inhibition of bacterial growth	
c. Th	ne destruction of paper disc (antibiotic)	d. None of these	(B)
20.	Thin &thick blood smears are used to ide		
	asmodium spp		
	canthamoeba spp	b. chlamydia spp	
77. 7	оспанатосьа эрр	d. none	(A)
21.	Candidiasis is caused by	ACCUPATION OF THE PARTY OF THE	\sim
a. As	spergillus/spp.	b. E. floccosum	
c. M.	. audouinii	d. candida albicans	
		u. candida albicans	(D)
22.	The causative agent of tetanus is		\smile
a. Cl	ostridium botulinum	b. Cl. tetani	
c. CI	. Welchii		
		d. Cl. Perfringens	(B)
23.	The micro-organism useful for fermentation	ion are	\sim
	acteria	h Vocat	
c. Fu	ıngi	d. None of these	
332245		2. Hollo of filode	(B
24.	Father of antiseptic surgery is		\bigcirc
	asteur	b. Jenner	
c. Jo	seph Lister	d. A.L.Hock	(
	> 74/40/98/00/201	W. M.C.ITOOK	

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25.	Virus will contain		
	membrane	b. Cell wall	
c. ribo	some	d. DNA or RNA	(D)
26.	The coagulase is done to differentia	te	
	phylococcus aureus from Staphylococcus	s epidermidis	
	phylococcus epidermidis from Neisseria		(A)
	eptococcus pyogenes from Enterococcus		
	eptococcus pyogenes from Staphylococc		
27.	Which of the following bacteria is a	non-lactose fermenter?	
	ebsiella spp	b) Salmonella spp	(P)
	terobacter spp	d) Escherichia coli	6
100		the state of the same and the management of the management of the same of the	odication
28. work	Nitroglycerin has long been admin	istered to human patients suffering from angina. This m	ledication
	mics the action of signal receptors		
h) ie	broken down into hormones that affect the	ne heart	()
o) in	erferes with chemical cascades that trigg	per contraction of heart muscle	(D)
d) he	eaks down into nitric oxide, which increa	ses blood flow to the heart	
יט נט	ears down into mule oxide, which increa	See Blood How to the House	
29.	Genomic libraries are made from		
	enomic DNA of an organism	b) genomic RNA of an organism	(A)
c) ge	enomic cDNA of an organism	d) genomic mRNA of an organism	
30. \	Which of the following statements abo	out the ketone bodies, acetoacetate and -hydroxybutyrat	e is correct?
a) M	uscles produce ketone bodies from fatty	acids.	
b) A	dinose tissue can produce ketone bodie	s from its fat stores.	((,
c) T	he liver produces acetoacetate and -hyd	roxybutyrate from fatty acids.	
d) A	cetoacetate is metabolised to acetate in	peripheral tissues.	
م رت			
31.		ts about the integration of fat and carbohydrate metabo	olism control is
	correct?	and to the second	
a) F	ligh insulin /glucagon ratio inhibits lipoge	enesis in liver.	(1
b) F	ligh insulin/glucagon ratio activates lipol	ysis in muscle	(0)
-11	· · · · · · · · · · · · · · · · · · ·	icie in adinocvies	
d) I	nsulin-depen dent glucose transporters	are recruited to functional membrane site when insulin levels	s are low.
32.	The andersine gland which corre	esponds to setting up of the body's biological clock is	
10070	Situiten sleed	b) Thymus gland	((
	Pituitary gland	d) Thyroid gland	
C) I	Pineal Gland	시하는 사회의 · 시회의 · 시회의	localized
33,	Approximately 30-60 minutes a	after being bitten by a "bug", a 28-year-old man no	ticed a localization
SW	elling and erythema in the affected ar		(6
a) .	Altered plasma oncotic pressure	b) increased arterial riyarostatic prossure	
	Increased vascular permeability	d) Lymphatic obstruction	
- 1	racoulos positiva		

	. u. t	the formation of uric acid is correct?	
of Which	h of the following statements about	the formation of uric acid is correct? poxanthine-guanine phosphoribosyltransferase hypoxanthine-guanin e phosphoribosyltransferase	(p)
orid le	vels are reduced by a deliciency of ity	portantine quenin e phosphoribosyltransferase	(0)
A LEGA OF ULL HO	Apin are mineral	fill - de world pothway	
c) Uric acid le	vels are reduced by increasing the ac evels are increased by increasing the	activity of the salvage pathway.	
a Hide acid le	veis are more asset and		2
	t of image is magnified by the	eyepiece(ocular). What is the best resolving power of B. 0.4 mm	(
35. A se	gment of image is magnified by and	B. 0.4 mm	(C,)
A. 0.1 nM		D. 3.0 uM	
C. 0.2 uM			
7.0000 2.0 0000	thick should paraffin embedded s	ections be cut?	
	thick should pararill embedded	B. 2-5 nM	(\mathbf{A})
A. 2-5 uM		D. 2-5cm	
C. 2-5 mm			
	at staining is best for lipid detectio	n ?	
37. Wh	at staining is best for inpid determine	B. Berlin blue	(A)
A. Sudan III	IV	D. Colloid gold	\cdot
C. Feulgens	s nuclear reaction		
aa 11d	ne osmolality is related to :		
	ne osmolanty is rolated to	b) Filtration	(C)
a) pH	Gravity	d) volume	
c) Specific		CONTRACTOR	
20 The id	lentification of Bence jones protein	s is best accomplished by:	
a) Culfocal	isylic acid test	D) dillic reagont outpe	(C)
a) Sullosal	ofixation electrophoresis	d) immunoelectrophorsis	
			roomald) of
40 In ord	ter to prepare100ml of 15mg/dl BUN	working standard from a stock standard containing	g 500mg/ai oi
Uroa Nitro	ogen, the amount of stock solution	that should be used is:	(A)
a) 3ml	ogon, me ame an	b) 5ml	
c) 33ml		d) 75m	\sim
0,00		3.447.000	
41. T	he principle of occult blood test de	pends on:	
	lase activity of blood	 b) Oxidative power of atmospheric oxygen 	(N)
c) Hydro	gen peroxides in hemoglobin	 d) Peroxidase like activity of hemoglobin 	
			\sim
42.	All are true regarding Frozen section	ns except?	\sim
A. Shrini	kage of tissue	B. it is impossible to prepare thin sections of	f1um (A
C Enzy	me Studies	 D. Sections may be stained with many met 	nods A
43.	What is the proper pH for the buffe	red solution used to perform serum protein electrop	ohoresis?
a) 5.6		b) 7.6	(1
c) 8.6		d) 9.6	L
44.	What is the temperature of the par	affin the tissue is placed in?	
A. 76 c		В. 35 с	(
C. 56 c		D. 70 c	

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45.	What color will Haemotoxylins stain the	nuclei?	
A. Red		B. Dark Blue	(R)
C. Gree	en	D. Reddish	
46.	Indirect coomb's test can be performed	by.	
40.	e procedure	b. 2 tube procedure	(C)
c. 3 tul	be procedure	d. Both a and b	
47 EE	P can be preserved/ utilized till		
a. 35 d		b. 6 hours	(D)
c. 12 h		d. 1 year	
48 W	hich is best stain for reticulocyte count.	*	
	an blue	b. Leishmans	(D)
	dine blue	d. New methylene blue	\bigcirc
49.	Tissues for Routine histopathology ar	e Fixed in*	
	buffered formation	b. Normal saline	(A)
	glutaraldehyde	d. Carnoy's fixative	\bigcirc
50.	Which of the following is the formula f	or calculating the mean corpuscular volume (MCV)	
	x 10)/RBC	b. Hb/Hct	(C)
c. (Ho	t x 10)/ RBC	d. RBC/Hct	
51.	The precision of an instrument is vali	dated by	
a. run	ning the same sample multiple times	b. performing serial dilutions	(A
c. pro	cessing unknown samples	d. monitoring normal and abnormal controls	
50	Which is the Most Common Laborato	ory Error?	
52.		B. Postanalytical	
	alytical eanalytical	D. None Of The Above	(
	Using increasing strengths of alcoho	I ,tissues get .	
53.		b) Rehydrate	(
100 mm (100 mm)	eakdown ehydrates	d) Clear	(
		is recommended for routine haematological investi	gation
54.		b) EDTA	
C	eparin	d) sodium fluorid	(B
c) S	odium citrate	0.4000.00000000.00000	
55.	Which of the following is used as Wi	BC diluting fluid for manual estimation of TLC b) New methylene blue	
a) T	urk's fluid	d) 1% ammonium oxalate	(A)
c) I	Hayems fluid	# 97 * A-5,02.016-5000	- attribu
56.	A material or device with known qua	intitative/qualitative characteristics (Concentration,	activity,
inte	A material or device with known qua ensity, reactivity) and which is used to st	andardize the instrument is known as :	(D
A.	LJ chart		
	Control	D. Calibrator	

57. Reagent which is not required to test prothrombin time:
a. Platelet poor citrate plasma
b. Calcium chloride
d. Fibrinogen

58. Which of the following biomedical wastes is put in the RED colored bin:
a. Dressing material
b. Gloves
d. Cotton waste

59. Which of the following blood components must be prepared within 8 hours of Phlebotomy:
a. Platelet rich plasma
b. Fresh frozen plasma
c. Red blood cells
d. Leukoreduced blood

60. With reference to Westgard rules, all of the following results require Rejection of run except:

b. 13S

c. 41S

d. 22S