ALLIANCE HIGH SCHOOL BIOLOGY FORM ONE END OF TERM I 2016

TIME: 2 HOURS.

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		11,	j Hiyoology	;			:

	iii)	Biotechnolo	ду	•					
,	iv)	ornithology			7	•			

	v)	Entomology			dada da al'ang mandani	····		·	. 2 Versited relative state of the second
 6.	Ider	tify the parts	of light mic			ut the func		ibed below.	[3 mks]
	i)	Reflect light					•		
	ii)	Make rough						·	
	iii)	Hold mounte	ed glass slid	es during vi	ewing				
7.		down the fou		•					[4 mks]
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	ii) iii)					•	, , , , , , , , , , , , , , , , , , ,		te la gritaga and and and and and and and and and an
	iv)						-	:	
8.	Stat	e and explain					ms.		[8 mks]
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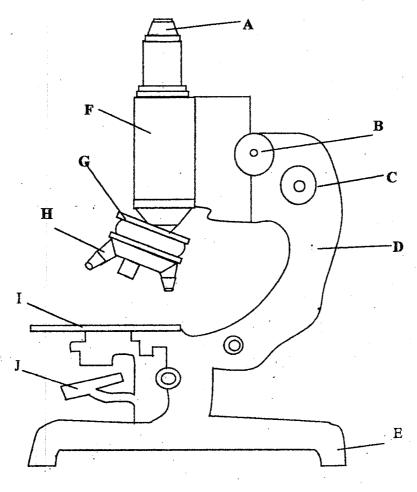
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10. Define th	e term species as a	used in classificati	ion.			[1 mk
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1. DIBLE TWO	functions of a mic	croscope.		•		2 ms
1)			•	•.		
2)					•	
2)				•	•	•
2. Below is	a diagram of a gen	neralized animal ce	ell. Use it to ans	wer the questio	ns that follow	7.
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a) Name	The state of the s			wer the questio	3	
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a) Name 1. 3.	the parts labeled			wer the questio	3	
a) Name	The state of the s	1-10.		wer the questio	3	mks]

b) State the function of:							
	1.						
	2.	:					
	3.						

13. a) Below is a diagram of a microscope. Label the parts.

3 10.

[10 mks]



	b)	State the functions of the parts labeled above.			
A _	************				
B _					
\mathbf{c}_{\perp}					
D				<u> </u>	

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14. Define Biology.		•	[1 mk]
	sification as used in biology.	•	[1 mk]
b) Give three reasons v	why classification is important.		, [3 mks]
6. State five external features	s you would use to classify:		[5 mls
a) Plants			[5 mks
b) animals			
c) Zedonk is an offspring	g between a zebra and a donkey. V	Why would it not be	fertile? [1 mk]
		• 1	, .

. 6	
7. Name four structures that are found in plant but not in animal cell.	[4 mks]
When preparing microscope slides, several steps are taken. List four	steps used to prepare a sl
	[4 mks]
. a) Define a cell.	[1 mk]
b) State functions of the following organelles:	[3 mks]
i) mitochondrion ·	[cam c]
ii) Ribosome	
	والمراجع والم
III) Nuclaus	
iii) Nucleus	
. The scientific name BIDEN PILOSA is not written according to Bin	omial system of scientific
naming.	
a) State two mistakes in writing of the scientific name above.	[2 mks]
b) Identify the specific name and generic name of the plant.	[2 mks]
3	:

21.	Wı	rite down the seven taxa of classification in ascending order.	[7 mks]
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22.	i) 	Give two examples of cell organelles which are not visible th are visible through the electron microscope.	rough the light microscope but [2 mks]

			, (
	ii)	Briefly explain why these organelles are only visible through	the electron microscope. [2 mks]
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