## Shikshan mandal karad's

## Mahila Mahavidyalaya ,Karad

B.Sc.- (Part-I ) (Preliminary-I) Examination
DSC-14A Botany-I
Cell Biology

2) Figure		Total marks -40
Q.1 A) Choose the co	[8]	
a) Electron microscope	usesas the illuminating se	ource.
i) sunlight	ii) violet rays	
iii) Blue colour light	iv) electron beam.	
b) Eukaryotic cell has a	a definite	
i) cell wall	ii) cell structure	
iii) nucleus	iv) cell membrane.	
c) Mitochondria is the _	of the cell.	
i) cell wall	ii) power house	
iii) cell structure	iv) cell membrane.	
d) chromatography is we	ell known technique for	of compound .
i) collection	ii)filtration	
iii) separation	iv) mixing	
e) meiosis is ac	ell division.	
i)complex	ii)simple	
iii) difficult	iv) separate.	
f) The compound micros	scope is an optical instrument to_	objects.
i)smaller	ii) magnify	

iv) Separation

iii) different

g) TLC Chromatography	is long form	
i) Tall long Chromatogr	aphy ii) Thin layer Chromatog	raphy
iii) Tube Long Chromate	ography iv) None of these	
h) Karyokinesis means div	vision of	
i) Nucleus	ii) cell membrane	
iii) cell	iv) cell wall	
Q.2) Attempt any Two	of the following	[16]
- /	he process of Mitosis and give its s	
b) Explain in detail t	he process of Meiosis and give its	significance.
c) Write in detail E	Electron Microscope, give its ap	plication along with
diagram.		
		14.0
Q3) Attempt any Two	of the following	[16]
a) What is difference	between Prokaryotic and Eukaryoti	ic cell.
b) Write a note on End	dop'smic Reticulum.	
c) Write a note on Mit	techondria with functions.	
d) Give applications o	† Paper Chromatography.	
e) Give the uses of Co	ompound Microscope and Electron	Microscope.
f) Write a note on lyso	osomes.	

## Shikshan Mandal Karad's

## Mahila Mahavidyalaya ,Karad

B.Sc.-I Preliminary-I Examination DSC-14A Botany-II (CBCS)

Day /Date : Friday -	00/01/2023	
Time-1:00pm to 3:00p	Total marks -40	
Instructions- 1)All qu		
	res to the right indicates full marks	
3)Dra	w neat and labelled diagrams	
Q.1 A) Choose the m	[8]	
a) Electron microscope	e usesas the illuminating source	e.
i) sunlight	ii) violet rays	
iii) Blue colour light	iv) electron beam.	
b) Eukaryotic cell has	a definite	
i) cell wall	ii) cell structure	
iii) nucleus	iv) cell membrane.	
c) Mitochondria is the	of the cell.	
i) cell wall	ii) power house	
iii) cell structure	iv) cell membrane.	
d) chromatography is v	well known technique for	of compound.
i) collection	ii)filtration	
iii) separation	iv) mixing	
e) meiosis is a	_cell division .	
i)complex	ii)simple	
iii) difficult	iv) separate.	
f)The compound micro	oscope is an optical instrument to	objects.

ii) magnify

iv)seperation

i)smaller

iii)different

g)TLC Cł	nromatography is long	g form		
i) Tall lo	ong Chromatography	ii)Thin layer Chron	natography	
iii) Tube I	Long Chromatography	y iv) None of these		
h) Karyok	tinesis means division	n of		
i) Nucle	eus	ii) cell membrane		
iii) cell		iv) cell wall		
Q.2) Attempt any Two of the following				[16]
a) Expl	ain in detail the proce	ess of Mitosis and give	its significand	ce.
b) Expl	ain in detail the proce	ess of Meiosis and give	its significan	ce.
c)Write	in detail Electron	Microscope, give its	application	along with
diagram	1.			
O3)Write	short notes on the fe	ollowing (ony 4)		[16]
		Also made		[16]
		Prokaryotic and Euka	ryotic cell.	
	a note on Endoplsmi			
	a note on Mitochond			
	applications of Paper			
		d Microscope and Elect	ron Microsco	ope.
f) Write	a note on lysosomes.			