**MORPHOLOGY OF FLOWERING PLANTS** 

1.		anch arises from the base of the growing aerially for some time	8.	When single leaf aris	ses at each node then phyllotaxy				
		touch the ground. Such type of		(1) Alternate	(2) Opposite				
	modification is			(3) Whorled	(4) Pinnate				
	(1) Runner	(2) Sucker	9.	Opposite phyllotax	y is present in :-				
	(3) Stolon	(4) Offset		(1) Mustard	(2) Guava				
<b>2</b> .		ith short internodes and each		(3) China rose (4) Alstonia					
		ette of leaves and a tuft of roots uch type of modification is	10.	In flower, different whorls arranged successively of					
					the pedicel, that swollen end is				
	(1) Runner	(2) Stolon		called :-					
	(3) Sucker	(4) Offset		(1) Thalamus	(2) Calyx				
3.	Lateral branches	originate from the basal and	11.	(3) Peduncle (4) Corolla					
		ion of the main stem, grow		Ovary is superior in					
		th the soil and then comes out		(1) Rose	(2) Mustard				
	type of modificatio	iving rise to leafy shoots, such		(3) Peach	(4) Guava				
	(1) Runner	(2) Stolon	12.	Ovary is inferior in					
	(3) Sucker	. ,		(1) Guava	(2) Rose				
4	. ,			(3) China rose	(4) Peach				
4.	In some legumino become swollen, it	ous plants the leaf base may is called :-	13.		e sepal or petal overlaps that o o on this aestivation is called :				
	(1) Pulvinus	(2) Lamina		(1) Twisted	(2) Imbricate				
	(3) Leaf margin	(4) Stipule		(3) Valvate	(4) Vexillary				
5.	When the veins rur lamina, the venation	n parallel to each other within a on is termed as :-	14.	If the margins of sepals or petals overlap one another but not in any particular direction, the					
	(1) Parallel	(2) Reticulate		aestivation is called	d :-				
	(3) Both 1 & 2	(4) Pinnate		(1) Imbricate	(2) Valvate				
6.	If the leaflets are p	resent on a common axis, the		(3) Twisted	(4) Vexillary				
	rachis, leaf is called		15.	Each ovary bears one or more ovules attached to					
	(1) Palmate compo	ound leaf			like structure called :-				
	(2) Pinnate compo	und leaf		(1) Stigma	(2) Ovary				
	(3) Simple leaf			(3) Placenta (4) Style					
	(4) Trifoliate leaf		16.	In this placentation the ovules develop on the inr wall of ovary or on peripheral part it is called					
7.	If the leaf lets are at	tached at the tip of petiole, leaf		(1) Marginal	(2) Parietal				
	is called :-			(3) Axile	(4) Basal				
	(1) Pinnate compo	und leaf	17.	Mango and Coconi	ut develops from				
	(2) Palmate compo	ound leaf		(1) Monocarpellary	gynoecium, inferior ovary				
	(3) Simple leaf			(2) Monocarpellary	gynoecium, superior ovary				
	(4) Unipinnate leaf			(3) Multicarpellary gynoecium, inferior ovary					
	, -, mp			(4) Multicarpellary, superior ovary					

18.	Inflorescence in member (1) Racemose	ers of papilionatae is (2) Cymose	28.	A lateral branch with short internodes and each node bearing a rosette of leaves and a tuft of roots							
	(3) Cyathium	(4) Hypanthodium		is found in							
19.	Sesbania belongs to			(1) Ginger	(2) Banana						
	(1) Liliaceae	(2) Fabaceae		(3) Eichhornia	(4) Potato						
	(3) Solanaceae	(4) Cruciferae	<b>29</b> .		nerally flattened structure						
20.	In <i>Solanum</i> , inflorescen			born on nodes. They or arranged in ma	iginate from and anner						
	(1) Cymose	(2) Racemose		(1) Apical meristem, Ad	cropetal						
01	(3) Umbel	(4) Verticillaster		(2) Lateral meristem, Acropetal							
21.	Seeds in fabaceae are	(0) 5 1		(3) Apical meristem, Ba	asipetal						
	(1) Non endospermic	(2) Endospermic		(4) Lateral meristem, B	Sasinetal						
	(3) Perispermic	(4) Monosporic	30		following statement is not						
22.	In monocots fibrous root	system arise from	30.	correct?	Tollowing statement is not						
	(1) Radicle	(2) Apex of stem		(1) Axillary buds are pro	esent in axil of leaflets						
	(3) Base of stem	(4) Any where from stem		(2) In pinnately compound leaf leaflets are present							
<b>23</b> .	Regarding to adventition	us roots find out the odd		on rachis, which rep							
	one	(O) M		(3) In nalmately com	pound leaf, leaflets are						
	<ul><li>(1) Grasses</li><li>(3) Banyan</li></ul>	<ul><li>(2) Monstera</li><li>(4) Mustard</li></ul>			n point, it is tip of the petiole						
<b>24</b> .	-	ence to various regions of									
	root tip from apex to b	<del>-</del>		(4) In compound leaf incisions of lamina reach upto the mid rib, breaking it into number of leaflets							
		ngation zone, Meristematic									
	zone & root cap		31.	Regarding phyllotaxy wh	nich of the following is odd						
	(2) Root cap, Meristema & Maturation zone	atic zone, elongation zone		(1) China rose	(2) Mustard						
		n zone, Meristematic zone		(3) Sunflower	(4) Alstonia						
	& Maturation zone		<b>32</b> .	When two leaves arise from same node, this type of phyllotaxy called							
	(4) Maturation zone, mer zone & root cap	ristematic zone, elongation		(1) Alternate	(2) Opposite						
<b>25</b> .		n of root, find out the odd		(3) Whorled	(4) Spiral						
	match	,	22		-						
	(1) Storage of food	- Potato	33.	<ol> <li>Arrangement of flowers on the floral axis is termed as inflorescence. Regarding to inflorescence which</li> </ol>							
	(2) Support	– Banyan		of the following stateme							
	(3) Gaseous exchange	- Rhizophora		(1) In racemose – main	axis is continues to grow						
	(4) Photosynthesis	- Tinospora		(2) In cymose – main axis terminates into flower							
<b>26</b> .		of Axillary bud into tendril,		(3) In racemose – flowers are in basipetal succession							
	which of the following is			(4) In cymose –growth of main axis is limited							
	(1) Cucumber	(2) Pumpkins	34		y of flower which of the						
	(3) Watermelon	(4) Bougainvillea	31.	following plant is odd	, or moved willon or the						
<b>27</b> .	Fleshy cylindrical photosy	Inthetic stem is found in		(1) Pea	(2) Mustard						
	(1) Opuntia	(2) Euphorbia		(3) Datura	(4) Chilli						
	(3) Bougainvillea	(4) Cuscuta									

<b>35</b> .	Fin	d out the wrong ma	itch		42.	Wh	ich type of aestivatio	on is fou	ınd in	petals of o	otton?
	(1)	Actinomorphic	_	Datura		(1)	Valvate	(2)	Twis	ted	
	(2)	Radial symmetry	-	Mustard		(3)	Imbricate	(4)	Vexil	llary	
	(3)	Zygomorphic	-	Bean	<b>43</b> .	Ма	tch the following				
	(4)	Bilateral Symmetr	y –	Chilli		(a)	Epiphyllous stame	n	(i)	Citrus	
<b>36</b> .				nt flower can not be		(b)	Monoadelphous st		(ii)	Pea	
		aea into two simila Mustard	r naives (2)	by any vertical plane Cassia		(c)	Diadelphous stame		(iii)	Chinaro	so.
	(3)	Canna	` '	Datura			<u>-</u>				36
37	` '		` '	at gynoecium occupies		(d) (1)	Polyadelphous state a(ii), b(i), c(iii), d(iv)		(i∨)	Lily	
<b>0.</b>	the			e other parts situated		(2)	a(i), b(ii), c(iii), d(iv)				
	(1)	Brinjal	(2)	Plum		(3)	a(iv), b(iii), c(i), d(ii)				
	(3)	Rose	(4)	Guava		(4)	a(iv), b(iii), c(ii), d(i)				
<b>38</b> .	Ма	tch the following a	nd seled	-	44.		riation in length of t wer can be seen in	he filam	nent o	f stamen	with in
	(a)	Hypogynous	(i)	Lily, Onion		(1)	Salvia	(2)	Must	ard	
	(b)	Perigynous	(ii)	Cucumber, Ray			Chinarose	. ,		1 & 2	
				florets of sunflower	<b>45</b> .		tch the following a	nd selec			n :-
	(c)	Epigynous	(iii)	Plum, Peach			Parietal	(i)	Dian		
	(d)	Perianth	(iv)	Chinarose, Brinjal		(b)	Axile	(ii)		lower	
L	(1)	a(iv), b(iii), c(ii), d(i)	(2)	a(iv), b(ii), c(iii), d(i)		(c)	Free central		Must		
	(3)	a(iii), b(ii), c(iv), d(i)		a(iii), b(iv), c(ii), d(i)		(d)	Basal a(iii), b(iv), c(ii), d(i)	(iv)	Chin	a rose	
						(1) (2)	a(iii), b(iv), c(i), d(ii)				
39.		yx is the outermos at is the function		sory whorl of flower.		(3)	a(i), b(ii), c(iii), d(iv)				
	(1)	Helps in pollinatio	_	X:		(4)	a(i), b(ii), c(iv), d(iii)				
	(2)			er during bud condition	<b>46</b> .	In	which type of plac		n, ovi	ıles are p	resent
		Helps in fertilization		er daring odd corididor			central axis			•	
		-					Axile		Parie		
40		Helps in seed gerr				(3)	Free central	(4)	Both	1&3	
40.	buc	_		pals or petals in flora nembers of the same	14/	A (1)	dot on the top of Adhesion			gram sho vation	WS
		Adhesion	(2)	Cohesion							
	(3)	Aestivation	(4)	Plancentation		(3)	Mother axis	(4)	Posit	ion of ova	ary
<b>41</b> .	Ma	tch the following v	vith res	pect to aestivation in	48.		old classifications				
_	pet	als and select corre	ect opti	on :-			ssified into of thre ofamily of legumin				
	(a)	Valvate	(i)	Chinarose			naminy or legamin paceae	10306 18	, 110W	Conside	icu as
	(b)	Twisted	(ii)	Calotropis		(1)	Papilionatae				
	(c)	Imbricate	(iii)	Pea		(2)	Caesalpinoidae				
L	(d)	Vexillary (1) (2)	(iv)	Cassia		(3)	Mimosoidae				
	(1)	a(ii), b(i), c(iv), d(iii)		a(ii), b(iii), c(iv), d(i)		(4)	Compositae				
	(3)	a(i), b(ii), c(iii), d(iv)	(4)	a(iv), b(iii), c(ii), d(i)							
					I						

- **49**. Swollen placenta with oblique septum can be seen in
  - (1) Brassicaceae
- (2) Fabaceae
- (3) Liliaceae
- (4) Solanaceae
- **50**. Colchicine a mitotic poison can be obtained from a plant of
  - (1) Brassicaceae
- (2) Fabaceae
- (3) Solanaceae
- (4) Liliaceae
- 51. Perianth condition is characteristic of
  - (1) Brassicaceae
- (2) Fabaceae
- (3) Solanaceae
- (4) Liliaceae

- 52. Match the following and select correct option
  - (a) Mustard
- (i) Liliaceae
- (b) Mulaithi
- (ii) Solanaceae
- (c) Ashwagandha
- (iii) Fabaceae
- (d) Tulip
- (iv) Brassicaceae
- (1) a(iv), b(iii), c(ii), d(i)
- (2) a(iv), b(iii), c(i), d(ii)
- (3) a(iii), b(iv), c(ii), d(i)
- (4) a(i), b(ii), c(iii), d(iv)

	1																			
	ANSWERS KEY																			
Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	3	4	3	1	1	2	2	1	2	1	2	1	1	1	3	2	2	1	2	1
Que.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Ans.	1	3	4	2	1	4	2	3	1	1	4	2	3	1	4	3	1	1	2	3
Que.	41	42	43	44	45	46	47	48	49	50	51	52								
Ans.	1	2	4	4	2	4	3	1	4	4	4	1								