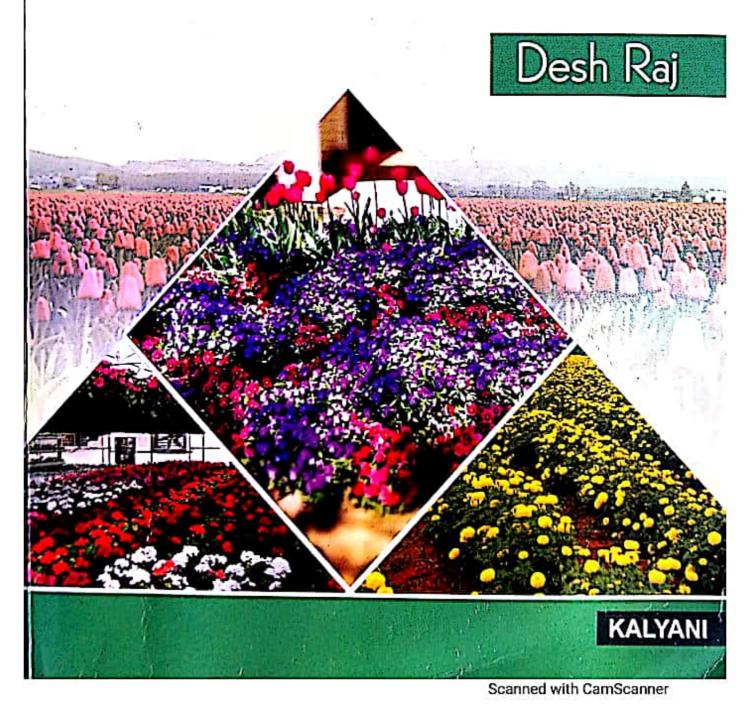
FLORICULTURE AT A GLANCE



EXERCISE

A. Multiple Choice Questions

1.	Which garden is regarded as genesis of	f gardening?
	(a) Hampshire	(b) Osaka
	(c) Eden	(d) Brindavan
2.	Osaka garden is located in which of fol	lowing country?
	(a) China	(b) South Korea
	(c) Japan	(d) UK
3.	Vatsyana did not describe which of follo	• •
	(a) Pramadodyan	(b) Nandanvana
	(c) Passage garden	(d) Vrikshavatika
	Gardens at Nalanda and Takshshila we	• •
	(a) Mughal	(b) Aryan
	(c) Budhist	(d) None of above
5.	. First Islamic garden in India was develo	
	(a) Ferozshah	(b) Jahangir
	(c) Akbar	(d) Babur
6.	The paradise garden 'Char Bagh' is situ	
	(a) Turkey	
	(c) Pakistan	(b) Iran (d) India
7.	Bagh-e-wafa and Bagh-e-kakan gardens	Were developed by
	(a) Ferozshah	were developed by (b) Babur
	(c) Akbar	(d) Humayun
8.	Taj Mahal was built by	(S) Hamayan
	(a) Nur Jahan	(的) Shah Jahan
	(c) Jahangir	(d) Akbar
9.	Dilkusha garden of Lahore was built by	(-)
	(a) Shah Jahan	(b) Jahangir
	(c) Fadai Khan	(d) Akhar
10.	Moorish garden style was developed in	(-)
	(a) France	(b) Germany
	(c) Spain	(d) Iron
11.	Baradari garden of Patiala was developed	ed by
	- and bridge diligit	(b) Ranjeet Singh
	(c) Fadai Khan	(d) Common Ci
12.	Royal Botanic garden of Kew is located	in
	(a) USA (c) Australia	(b) England
12		(d) Co
13.	Missouri Botanical garden is located in t	JSA at
,	(a) St. Louis (c) Boston	(b) California
	(o) Dosion:	(d) New York

14. First Botani	11
 First Botanical garden in the world was s (a) 1621 (c) 1759 	tarted at Venice in Italy during
(c) 1759	(b) 1543
	(d) 1840
 (a) Germany 	_eyden in
(c) Spain	, (b) Netherlands
 Baradari is an important feature of which Mughal 	garden
0.0	(b) French
(c) English	
17. During the period of Henry-III gardens in	England ware of
17. During the period of Henry-III gardens in	(b) Informal
(c) Wild	(b) Informal (d) Free
 Which of following is not included in Japa (a) Tea garden 	(d) Fiee
	anese gardens?
(c) Flat garden	(b) Hill garden
 Baradari is a canopied structure with 	(如) Vertical garden
(a) 10	····· doors.
(c) 12	(b) 6
	(d) 8
20. Rashtrapati Bhavan garden at New Delhi (ਬ) Sir Edwin Lutyens	was laid out by
(c) Shah Jahan	(b) Lord Curzon
	(d) Lady Hardinge
 Sir William Robinson was the first person (a) Free 	to develop gardening
	(b) Wild
(c) Formal	(d) Informal
 In which style all types of garden are mit (a) wild 	xed to secure a picturesque offeet
	(b) Free
(c) Informal	(d) All of above
23. In redefining English gardens from picture not associated?	esque to natural et de es es es
	style of gardening, who was
(a) W Kent	(b) L Brown
Queen Elizabeth. ا	(d) H Benton
24. Who gave the inspiration through his pair	otings for informal academic a
(a) W Robinson	(b) H Hoare
اهل C Lorrain	(d) Le Notre
25. For which style of gardening first plan is	(d) Le Noire
 For which style of gardening first plan is (a) Free 	made on paper and then executed in field?
(e) Formal	(b) Wild
	(d) Informal
 In which style of gardening plan is forced (a) Wild 	to fit the land for securing natural beauty.
(c) vilid	(b) Formal
Millormal	(d) None of above

 Which plant is grown to symbolize d Cypress 	(b) Kacrinar
(c) Chenar	(d) Peach
 The art of Indian style gardening real (a) Budhist Monks (c) Prof. H. Mori 	(d) English trackers
29. Which of following is associated with(a) Saraca indica(c) Butea monosperma	life of Lord Budha? (b) Shorea robusta (d) All of these
 Cottage gardens in England were de (a) Le Notre W. Robinson 	veloped by (b) G. Jekyell (d) W. Kent
 Sayaji park in Baroda was built during (a) 1781 (c) 1872 	g (න්) 1879 (d) 1805
 Baroda museum and planetarium are (a) 1879 (c) 1894 	opened in Sayaji park during (b) 1872 (d) 1878
 33. Hybaena thebaica a branching palm i (a) Bombay (c) Coimbatore 	is located in (d) Baroda (d) Bangalore
34. Mandhor garden of Jodhpur was esta(a) Ranjeet Singh(c) Fadai khan	(b) Abhai Singh (d) None of above
35. Mughal garden at Pinjore was laid ou	t by
(a) Fadai Khan (c) Aurangjeb	(b) Brajendra Singh (d) Ranjeet Singh
36. Roshnara park in New Delhi was laid (a) Prof. K Mori (c) Nara	(b) Heian
37. Which of following belong to Japanese	(d) Muromachi
(a) Roshnara park(c) PM house at Safdarjung	(b) Budha Jayanti park
 Botanic garden, Forest Research Insti (a) 1934 (c) 1878 	tute, Dehradun was started in (b) 1886
 Who was first Mughal emperor to visit (a) Jahangir 	(d) 1894 t Kashmir? (b) Babur
Joy Akbar	4.5
40. Shalimar garden in Kashmir was laid	out during the regime of
(c) Zafar Khan	(U) AKDAr
Washington and	(d) Nur Jahan

4	 Asaf Jahan brother of Nur Jahan built 	the garde	n of
	(a) Nishat bagh	(b)	Chasma-e-Shahi
	(c) Achhabal	(d)	Verinag
4	2. Chasma-e-Shahi garden was built by .		
	(a) Fadai Khan	(bY	' Ali Mardan Khan
	(c) Ranbir Singh	• .	None of above
1		*	None of above
ੌ	Verinag garden was started by(a) Shah Jahan		Aldren
	(c) Jahangir	, ,	Akbar
		7	Nur Jahan
44	Achhabal garden was built by	in 16	520.
	(a) Nur Jahan	(b)	Shah Jahan
	(c) Jahangir	(d)	None
4	5. Bijbehara garden was constructed by		
	(a) Shah Jahan	Sby	Dara Shikoh
	(c) Maharaja Ranjeet Singh	(d)	Aurangjeb
46	5. Le Notre developed which type of gard	lens	
	(a) Italian		English
	(c) French		Japanese
47	. Who was first Mughal emperor to deve		
	(a) Akbar		Shah Jahan
	(c) Babur		Jahangir
45		, ,	-
-	 Which of the following is not a part of (a) Hill garden 	1000	
	(c) Tea garden		Sand garden
	and the second s		Bog garden
45	In Japanese language Flat garden is k		
	(a) Roji-niwa		Hira-niwa
	(c) Raithai-seki	(d)	Uchi-roji
50	Sand garden is known as		
	(a) Ryoanji	(b)	Roji-niwa
	(c) Rathai-seki	(d)	Soto-roji
51	. In Japanese garden water the main fea	ature is no	ot used in which form
	(a) Water fall		Fountain
	(c) Stream	(d)	Drip irrigation
52	. Lal bagh garden is located at		- The state of the
	(a) Delhi	(h)	Calcutta
	(a) Bangalore	1 2-57	Pune
53			rune
30	Lal bagh garden was laid down by	-	et resignation and
	(a) Tipu Sultan (c) Lord Curzon		Hyder Ali
			None of above
54	Brindavan garden was laid down near		river.
	(a) Krishna	(b)	The second secon
	(c) Cauvery	(d)	Ravi.
			N 500 1 950

-		
55.	Govt. Botanic Garden, Ootacamund star (a) 1905 (c) 1921	ted functioning in (b)' 1848 (d) 1760
56.	Which of following is not a feature of Bo (a) Bog garden (c) Rockery	tanic garden at Ootacamund? (b) Bandstand (d) Glasshouse
57.	Sim's Park is located at	(b) Madurai (d) Coonoor
58.	Botanic garden Coimbatore is the office of (a) TNAU (c) Director, Horticulture	(b) DC (d) None of above
59.	Department of Agriculture, Madras establi (a) Ootacamund (c) Madurai	shed the garden at
60.	Byrant Part is situated at (a) Rameshwaram (c) Kodaikanal	(b) Trichy (d) Coimbatore
	Indian Botanic garden is located opposite (a) Ganga (c) Hoogly	
	The Agri-Horticultural Society gardens, Ca (a) 1825 (c) 1905	(d) 1872 (d) 1856
	Indian Botanic garden, Sibpore, Kolkata wa (a) 1787 (c) 1805	as established in (b) 1872
64.	Oldest banian tree is located in which gard (a) Indian Botanical garden Sibpore, Kolka (b) Lalbagh garden, Bangalore (c) Agri-Horti Society garden Kolkata (d) None of above	ata
4	argest collection of plants maintained at A yas maintained by a) S. Percy Lancaster	gri-Horticultural Society garden, Kolkata (b) Sir J. Hooker
66. L	c) Sir George King lyod Botanic garden, Darjeeling was laid do a) Sir George King	(d) Dr. K. Biswas
67. L	c) Dr. N. Wallich lyod Botanic garden was established in a) 1872	(b) William Llyod (d) Dr. C C Calder
(0	2) 1805	(d) 1787

	인 개발하다 장 왕 아이		10
68.	Dawn Redwood, the living fossil tree is pres (a) Indian Botanic garden Sibpore (c) Llyod Botanic garden, Darjeeling	(p)	Agri-Horti. Society garden, Calcutta
69.	National Botanical Research Institute is pop		
		ulari (b)	y known as
	(c) Roshnara Bagh	1.3	Wajid Ali Shah None of above
70.	Who worked in Horticultural Research Instit before 1750.	ute	garden at Saharanpur established
	(a) Falconer	(b)	Jameson
	(c) Duthie	(d)	All of above
71.	Rashtrapati Bhavan garden, Delhi was com	plete	d in
		(P)	1929
72		(d)	1948
12	Stone lanterns are important feature in		
	(c) Mughal	0.00	English
73	. Which of following are not formal gardens?	(a)	Persian
	(a) Mughal	(b)	Italian
	(c) English	2.17	Italian French
74	. Lord Budha saw lotus in which garden	(-,	11011011
		46)	Nandanbana
	(c) Parmodyan		None of these
75	 Which type of garden has been constructed Tagore. 	at	the residence of Poet Ravindernath
	(a) English		Mughal
	Lot Japanese		French
76	 Floral clock is important feature at which ga 		
	(a) Lal Bagh	20.5	Nishat Garden None of above
	(c) Pinjore Bagh		
77	. Poet Kalidasa mentioned of which of the fol		ng plant in the play Shkuntala? Hiptage benghalensis (Madhavi)
	(a) Mangifera indica (Mango) (c) Rosa indica (Rose)		All of these
70		200	THE ST LICES
′0	 Who gave the concept of Cottage gardens? (a) G. Jekyell 		Robert Brown
	(c) C Calkar	7.57	C Llyoid
79	. Moorish gardens are developed in which co	untr	y?
P.	(a) Egypt	(b)	England
	(c) Spain		Austria
80	. Who developed Sim's Park Conoor, Tamil N	ladu	in 1874?
	(a) Hooker	(b)	William Sim
	(c) A Conoor	(g)	J.D. Sim

				11.70		A GIA
B. Fill in the Blanks	s					A GLANC
1. Rashtrapati bhava		was design	ed by			
2 Brindavan garden						
3 Floral clock is an				garde	n at Banga	lore
4 Nandanyana is a	type of		arden.			
5. The famous	gard	len at Chanc	digarh was	built by Pa	adama Shri	Nek Chan
Ginn of Village Di	iuno, Gui	daspai, i di	Jub.			· · · · · · · · · · · · · · · · · · ·
6 William	gave the	concept of	wild garder	ning.		
J park is a	Japanese	type garden	built at N	ew Delhi.		
Chinese gardens	are	style garde	ens.			
Baradari is a com	mon featu	ure in	garden.			
10. NBRI Lucknow ga	arden was	developed b	у			
The oldest banya					en at	r
12. First Islamic gard	en in India	a was develo	ped by		- 31.3	••
13. Garden of	is regard	ied as genes	sis of garde	enina		
14. Llyod Botanic gar	den is situ	lated at	or garde	zinig.		
15was a	famous F	rench landed	ana dasiar			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ronon langsc	ape design	ier.		
		<u> </u>	ΕY			
Multiple Choice Ques	tions					
1. (c) 2. (c)	3. (c)	4. (c)	5. (a)	6. (b)	7. (b)	9 /h)
9. (b) 10. (c)		12. (b)	13. (a)	14. (b)	15. (b)	8. (b) 16. (a)
17. (a) 18. (d) 25. (c) 26. (c)	19. (c)	20. (a)	21. (b)	22. (b)	23. (c)	24. (c)
33. (b) 34. (b)	27. (a)	28. (a)	29 . (d)	30. (b)	31. (b)	32. (c)
41. (a) 42. (b)	35. (a) 43. (c)	36. (a)	37. (d)	38. (a)	39. (c)	40. (a)
49. (b) 50. (a)	51. (d)	44. (c)	45. (b)	46. (c)	47. (c)	48. (d)
57. (d) 58. (a)	59. (b)	52. (c)	53 . (b)	54. (c)	55. (b)	56. (d)
65. (a) 66. (a)	67. (b)	60. (c)	61. (c)	62. ⋅(b)	63. (a)	64. (a)
73. (c) 74. (b)	75. (c)	68. (c)	69. (a)	70 . (d)	71. (b)	72. (a)
Fills in the Blanks	, , , ,	76. (a)	77. (b)	78. (a)	79. (c)	80. (d)
		e de la composición dela composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición de la composic				
Sir Edwin Lutyens Budbist		Mysore		3. Lalba	ach	
4. Budhist		Rock		6. Robi		
7. Roshnara		Informal				
10. Wazid Ali Shah	11.	Sibpore, Kolk	ata	9. Mugi	al	
13. Eden	14.	Darjeeling		12. Fero: 15. Le N	zsnah	
			- E7	.o. Le N	otre	

	The Choice Questions	The second secon	
1.	Te design and alternation		
	reconstructions is known as	r land by use of planting mater	ial and land
	(c) Landscape	(b) Floriculture	
,			
	and Landscaping. (a) Olericulture	ch includes both the aspects of	Floriculture
,	(c) Ornamental Horticulture .	(b) Horticulture	
3.	The technology which is ultra mode.	(d) Landscape Architecture	
	The technology which is ultra modern, le intensive having improved productivity with (a) Hi-tech Floriculture	s environment dependent and o	apital
		(b) Gardening	••••••
	(c) Landscaping	(d) None of these	
4.	is a design with definite use outilitarian purpose.	plants to serve sertain seether	
	and the process	plants to serve certain aestheti	c or
	(a) Gardening	(b) Landscape ·	
	(c) Topiary	(d) Landscape Garden -	
5.	is the general outlaying or appearroundings.	arance of an area in relation to	íts
	(a) Floriculture	(b) Landscape -	
	(c) Design	(d) Hedge .	
6.	and arranging flowers and ornamental pla	deals with commercial growing	, marketing
	(a) Forestry	(b) Pomology	
•	(e) Floriculture •	(d) Landscaping	
7.	is the determination of a chara known in advance.		purpose
	(a) Landscape Architecture •	(b) Landscape Design	
	(c) Ornamental Horticulture	(d) Texture	
8.	is the art of arranging land and lan enjoyment.		nce and
	(a) Landscape Architecture	(b) Landscape Design	
	(c) Landscape Gardening*	(d) Floriculture	
9.	is the planning and planting of our relationship between the landform architecture.	door space to secure the most and plants to best meet the hu	desirable man
	needs for beauty and function.	(b) Landscape Design	
	(a) Landscape (c) Landscape Gardening	(d) Ornamental Plants	
10.	tion of water the	ugh creative landscaping.	
	(a) Landscape Architecture	(b) Water narvesting	
	(c) Ornamental Horticulture	(d) Xeriscaping ·	

11.	Which of the following is not a component (a) Florist trade	(t	Floriculture Inc b) Flower per d) Seeds and	fumery
12.	Which of the following is presented at the (a) Lilium (c) Stock	46	of departure Sweet pea Pansy	?
13.	Which of the following is the national flow (a) Lilium - (c) Rose	(b	Iran?) Carnation) Tulip	
14.	The national flower of the Netherlands is . (a) Narcissus (c) Rose		Carnation	
15.	The national flower of China is (a) Narcissus (c) Chrysanthemum	(b)	Lilium Tulip	
16.	The national flower of Germany is (a) Narcissus (c) Corn flower	(b) (d)	Carnation Lilium	
17.	The national flower of USA is (a) Chrysanthemum (c) Rose	(b)	Carnation Tulip	
18.	The national flower of Wales is (a) Daffodil (c) Gerbera	(b)	Carnation Tulip	
19.	The national flower of Japan is (a) Narcissus (c) Chrysanthemum -		Carnation Rose	,
20.	Which of the following flower is a symbol of (a) Pansy (c) Narcissus	(b)	esteem? Sweet pea Tulip	

KEV

EXERCISE

A. Multiple Choice Questions	Contract was an Admin
1. Indian floriculture industry is growing a	around per cent per annum.
(a) 8-9	(D) 4-0
(c) 3-4	(d) 1-2
2. Total area under flower crops in our co	ountry during 2012-13 was thousand
hectares.	(b) 135
~a. 233	(d) 65
(c) 124	
3. Flower products export from India durin	ng 2012-13 was about Hs crores,
(a) 420	(D) 220
(c) 300	(d) 600
4. Flower production in our country was a	bout MT during 2012-13.
(a) 1100	(0) 1700
(c) 2650	(d) 4450
5. In our country how many private units a	are engaged in export of flowers?
	(b) 200
(a) 500	(d) 50
(c) 100	
6. Maximum area in our country is in which	h of the following flower crop:
(a) Jasmine	(b) Tuberose
(g) Marigold	(d) Crossandra
7. Which one is growing in largest area as	long stem cut flower in our country?
(a) Chrysanthemum	(b) Rose
(c) Carnation	(d) Orchid
8. NRC Orchids is situated in which state?	
(a) West Bengal	(b) Assam
(c) Meghalaya	(b) Assam (d) Sikkim RoseBazaar. Com.
9. In which city of India, the first website wa	as launched for auctioning of flowers?
(a) Delhi	(b) Bangalore
(c) Pune	
	(d) Hyderabad
10. Which country was the largest importer of	
(a) UK	(6) USA
(c) Japan	(d) Holland
11. How much value was the export of cut flo	owers from India during 2012-13?
(a) < 10 crores	(b) ₹ 20 crores
Joj ₹ 26 crores	(d) ₹ 59 crores
12. How much is the approximate share of dr export from India?	ied floricultural products in total floriculture
(a) 60%	(b) 40%
(c) 30%	(d) 20%
	\-/ ~U/U

13. How much value flower market annually ha	S hoop potimeted in Dallaio
(a) 2 50 Crores	
Jo ₹ 500 crores	(b) ₹ 100 crores
	(d) ₹ 60 lakhs
14. The Project Directorate on Floriculture in IC	
(c) 2000	(b) 2005
A CONTROL OF THE PROPERTY OF T	(d) 1990
15. National Floriculture Model Farm in H.P. is	4.1
(a) Shimla	(b) Chamba
(c)-Chail	(d) Nahan
16. Division of Floriculture and Landscape Gar	dening at IIHR Bangalore was established
in	E
	(b) 1969
(c) 1979	(d) 1983
17. Division of Floriculture and Landscaping at	IARI New Delhi was established in
(a) 1971	(b) 1976
(c) 1980	(d) 1983
18. All India Coordinated Floriculture Improvem-	ent Project of ICAR was started in
(a) 1971	(b) 1979
(c) 1980	(d) 1983
19. During 8th five year plan how many model f	foriculture centres have been approved
(a) 20	-(5) 11
(c) 6	(d) 2
20. For area expansion in bulbous plants for 0.	2 ha how much grant was given?
(a) ₹ 15000	(b) ₹ 25000
(c) ₹ 20000	(d) ₹ 4000
21. In a flower show competition exhibitors are	not classified in which of following way
(a) Amateur grower	(b) Professional growers
(o) Scientists	(d) Open to all type of growers
22. Which of the following company was established	ished in 1984 for mass propagation of
ornamentals?	
(a) A.V. Thomas	(b) Essar Agrotech
(c) Indo-American Hybrid Seed Co.	(d) Florabase Limited
23. Which of the following person has made significant	gnificant contribution in Floriculture even
, being a non-professional?	
(d) M.S. Randhawa	(b) B.P. Pal
(c) G.S. Randhawa	(d) K.L. Chadha
24. Bhabha Atomic Research Centre, Bombay	has research mandate on Floriculture in
which of the following area?	
(a) Rose oil extraction	(b) Micro-propagation of ornamentals
(c) Landscaping for cities	(d) Tree breeding

	l-arrayer	nents Project at pre	esent has working cen-
25.	All India Coordinated Floriculture Improven	ijon.	o odill'e
	betweenin India.	(b) 10-12	
	(a) 6-8	(d) 20-25	
	(c) 15-20		of following catons
26.	At Regional Plant Resource Centre Bhut	paneshwar which c	or rollowing category has
-0.	maximum species and cultivars?		
	(a) Orchids	(b) Palms	
	(a) Caniforn	Joy Cacti	
~~	At which station research on Nymphaea h	as been conducted	in India?
27.	At which station research on riymphics	(b) BSI Calcutta	le:
	(a) IIHR Bangalore	(d) NBRI Luckn	ow
	(c) IARI New Delhi		
28.	Which of the following is a popular flower	(b) Chrysanthen	nim
	(a) Rose		ium.
	(c) Orchids	(d) Gladiolus	
29.	How many cultivars of Bougainvillea have	been developed in	India?
	(a) 300 Rose = 600	(b) 200	
	(c) 150 Kose	(d) 75	
30.	Which of the following is directly associate	d with the export of	f flowers in India?
	(a) ICAR	(b) NHB	
	(c) NAPHED	(d) APEDA	
31.	In Himachal Pradesh Model Floriculture C	Centre during 10th fi	ive year plan has been
	started at		
	(a) Kandaghat	(b) Shimla	
	(c) Rajgarh	(d) Palampur	
32.	Research on Jasmines in India is concentre	ated at	
	(a) IARI	JU) TNAU	
	(c) NBRI	(d) IIVR	P
33.	For establishing new model floriculture cent given in 9th five year plan to various states	tre how much finand (₹ Lakh)?	cial assistance was
	(a) 70	(b) 40	
	(c) 30	(d) 20	
34.	For developing flower nursery in public secto (₹ Lakh)?	r how much grant w	nel on the section of the section of
		mach grant w	as sanctioned in 9" plan
	(a) 10	(b) 5	
	(c) 2	(d) 0.5	
35.	The Project Directorate on Floriculture of (Ca) Bangalore	CAR is now situated	5 <u>-</u>
	(a) David	(b) Pune	n
	(c) New Delhi	(d) Solan	
	ill in the Blanks		
1.	Total area under flower crops in India is ab-	out	
2.	Division of Floriculture and Landscaping at	IARI New Date	1092
111		was	created in 1.3.8.9

- 3. In India traditional flower crops are grown in about 3... of total area under floriculture.
- Indian export of floricultural products during 2012-13 was around ₹ crores.
- 5. Rose is the main cut flower being exported from India.
- 6. Seeds of ornamental annuals for export are commercially being grown in open in Punzal state.
- 7. Jasmines are commercially grown in Southern par part of the country.
- 8. The first online auction (website) of flowers in India started at pour in 2000.
- 9. First hybrid of ornamental annual (Petunia) in India was developed by .
 - 10. International Bougainvillea registration centre is situated at . TART,
 - 11. Head Quarter of Indian Society of Ornamental horticulture is situated at .TARI
 - 12. Dr. BP Rd a renowned Rosarian was the first Director General of ICAR.
 - NRC Orchids was established at during VIII five-year plan.

 - 15. National depository for germplasm of carnation is situated at ... UH.E. Solan.

Multiple Choice Questions

(d) 7. (b) (c) (b) (b) 2. (a) (a) (a) 16. (b) 15. (c) 14. (a) **13.** (c) **12**. (a) **11.** (c) 10. (b) 9. (b) 24. (b) 23. (a) 22. (a) **21.** (c) **20**. (c) **19.** (b) 17. (d) 18. (a) (d) **32.** (b) 30. (d) **29.** (c) 28. (c) **27.** (b) 25. (c) **26.** (d) 35. (b) 34. (b) 33. (a)

Fills in the Blanks

			3	2/3 rd
1. 2.33 lakh	2.	1983		
4. 420	5.	Rose	6.	Punjab
The same of the sa			9.	Manmohan Attavar
7. Southern		Bangalore		
10. IARI New Delhi	11.	IARI New Delhi		Dr. B.P. Pal
			15.	UHF Solan
13. Gangtok, Sikkim	14.	NBRI Lucknow		

. N	Multiple Choice Questions	
1.	The largest producer of cut flowers in the (a) USA (c) Israel	e world is (b) Colombia (d) The Netherlands
2.	Indian share in the global flower market in (a) 5% (c) 10%	s about (b) 2% (d) 0.5%
3.	Total floricultural products trade in the w US \$. (a) 7 (c) 30	vorld during 2012 was around billion (b) 20 (d) 50
4.	Biggest international flower market is loca (a) Washington (c) London	ted at (b) Singapore (d) Aalsmeer
5.	Colombia is second largest exporter of cu flower trade is about% (a) 5 (c) 40	
	Per capita consumption of cut flowers is h (a) India (c) Switzerland	(b) USA (d) Germany
7.	Total area under flower crops in the world (a) 0.25 (c) 10	is about million hectares.

8. World trade in live/ foliage plants is ab	out billion US \$
B. (a) 4	46) 8
(c) 12	(d) 20
Maximum share of live/ foliage plants of following country?	
(a) Germany (c) The Netherlands	(b) China (d) Denmark
at market for flower products of	about 2 billion 110 a c
10. Biggest market for flower products of	(b) China
(a) USA (c) Germany	(b) China (d) Japan
of following is No one cut flow	
11. Which of following is No. one cut flow	(b) Tulip
(c) Chrysanthemum	(d) Orchid
(C) Ollysamichism	7. 7.
	in the world is aroundthousand hectares. (b) 40
(a) 20	(d) 100
(c) 60	at a modest rate of per cent per annum.
	(b) 20
(c) 30	(d) 40
14. Which of following is the leading flow	
	(b) Phalaenopsis
(a) Rose (c) Cymbidium	(d) Geranium
45 Maximum growth of floriculture has h	een noticed in which country in the last decade.
(a) Ecuador	(b) Zimbabwe
(c) Spain	(d) Belgium
16. In cut foliage trade, which of the folia	owing is leading exporter?
(a) USA	(b) Italy
(c) Costa Rica	(d) the Netherlands
17. In Asia which of the following is large	est exporter of flowers?
(a) India	(b) China
(c) Korea	(d) Japan
18. Indian florist trade has reached arou	ind million US \$.
(a) 30	(b) 40
10/00	(d) 150
19 The leavest leavester of floricultural f	products in Asia is during 2012 was
(a) India	(b) Israel
(a) India	(d) China
20. Maximum consumption of cut roses	is during which of the following event?
	(0)
Valentines day	(d) X-mas day
(c) Easter	- 1 P. 1

B. Fill in the Blar	ıks										
1. Aclament is the largest international market for flower products in the world.											
2. Global floricultu	2. Global floriculture trade is around billion US \$.										
3. Germany, is th	e largest c	onsume	er of	flower	proc	lucts ir	the	world.			
4is th	e largest e	xporter	of c	ut flow	ers a	and pot	pla	nts.			
5. Nether is th	e largest e	xporter	of c	ut gree	ns						
6. floridy. is re	garded as	cut gre	ens (capital	of th	e worl	d.				
? Per capita con	sumption o	f flower	pro	ducts	(cut	flowers	and		lants	i) is h	ighest in
8. Colombia is kn	own for qua	ality pro	ducti	on of .	740	uase ?	arna	itions.			
9. Israel is known	for quality	product	tion (of .SP.	you.	. carna	ation	s.			
10R. & L.:. is the flower market.	e top most	cut flo	wer l	ooth nu	ımbe	r and	value	e wise	in th	e inter	national
11. Phalgenofs Was	the first po	t plant	in the	e globa	l flov	ver ma	rket.				
12. India: is th											
13. Maximum Rose	cut flowers	s are pr	reser	ted on			day				
14. Maximum cut f	lowers are	consum	ed o	n the c	ccas	ion of	yeu	entine	and .	Sort	orday.
15. In Asia,	<u> </u>	ximum	acre	age un	der f	lower o	crops	5.			•
Multiple Choice Qu	ections		į.	(EY							
1. (d) 2. (d)		4	(d)	- 5	/b)		(2)	-	/1-1		0.5
9. (c) 10. (c)			(c)		(b) (a)		(c)		(b)		(b)
17. (b) 18. (c)	1		(a)	10.	(u)	14.	(D)	15.	(a)	10.	(d)
Fills in the Blanks			- 50								
 Aalsmeer 	2.	20				3	Ge	rmany			
4. The Netherland	s 5.	The No	ether	lands				opka, F	lorida	a	
7. Norway		Standa					Spr		ioria	•	
10. Rose 13. Valentine's	4.	Phalae	nops	is	L.		Indi				
valerune s	14.	Valenti	ne's	and Ea	ster	15.	Chi	na			

A. Multiple Choice ductions	
wami Vinayananda oi na wath n	as done pioneer work in
Jay Dahlia	(b) Gladiolus
(c) Rose	(d) Mariant
 Dahlia was first introduced by Agri (a) 1935 (c) 1982 	-Horticultural Society of India at Calcutta in (b) 1857 (d) 1905
	(d) 1905
(c) Rose	NBRI Lucknow was associated with (b) Dry flowers
The second secon	(d) China aster
(a) Rose (c) Gladiolus	r of developed at IIHR, Bangalore.
5. Thornless rose rootstock was deve	(d) Bougainvillea
(a) IARI	
(C) ITHR	(b) NBRI
6. Which of the following Floribund	(d) BARC
(a) Chitchor	ose cultivar has been patented in USA?
(c) Mohini	(b) Fugitive
7. First cultivar of rose released to 5	(d) Sindhoor
7. First cultivar of rose released by Dr	BP Pal was in 1962.
(c) Aruna	(b) Dulhan
8. International Bougainsilles	(d) Mehak
8. International Bougainvillea registration	on centre is located at
NAMI	(b) NDIII
9. Which of following is growing as a le (c) Dr. Hamilton	(a) INAU
Raktagandha	ong stem cut rose in India?
(c) Dr. Homi Bhabha	(-)
	(d) Mother Teressa

(Floribunda cultivar of rose is also us (c) Sindhoor	(b)	s cut flower. Rose Sherbet Mohini
,	Banjaran cultivar of rose belongs to	(b)	Polyantha Tea
,	Which of following is very good rootstock of (a) Dr. RR Pal (c) Thimma	(b)	gainvillea? Sonnet Stanza
	Pusa Basanti is an open pollinated cultivar ((a) Zinnia (c) Rose	(b)	Chrysanthemum Marigold
14.	Mayur a cultivar of gladiolus was developed (a) NBRI (c) IIHR	45	
	Queen Elizabeth is a common cultivar of (a) Rose (c) Carnation	(b)	 Marigold Dahlia
16.	Birbal Sahani a cultivar of is develop (a) Rose (c) Bougainvillea	(b)	t NBRI Lucknow. Marigold Chrysanthemum
17.	For pot culture which one of following is im (a) Begam Sikander (c) Archana	(b)	nt cultivar of bougainvillea? Surehka Shweta
18.	Amar Shola is a cultivar of	6. 3	China Aster Amaranthus
19.	French marigold is	44	Tetraploid
20.	Gladiolus has diploid chromosome number (a) 60 (c) 20	(b)	Aneuploid 30 40
21.	Samrat a tetraploid cultivar of develop (a) Amaryllis (c) Rose	ed a	NBRI Lucknow. Tuberose Verbena
22.	Rajat Rekha Is a mutant cultivar of (a) Dahlia (c) Rose	(b)	Tuberose
23.	First cultivar in rose developed by Shri BK (a) Rose Sherbet (c) Arjun	Royo (b)	Portulaca chowdhary was Pusa Sonia Dr SD Mukherjee
		9	- OD Mukrierjee

24.	The Rose in India book is written by (a) B.P. Pal (c) M.S. Randhawa	(b)	Vishnu Swarup S.L. Jindal
25.	Most of the cultivars of chrysanthemun	n are	Long day
	(c) Day neutral		None of above
26.	Lt. Governor of Himachal Pradesh Shr developed 160 cultivars of	i Bajrang	Bahadur Singh Bhadari has
	(a) Rose	467	Gladiolus
	(c) Dahlia	(d)	Chrysanthemum
	Dioecy is very common in		
	(a) Asparagus	(b)	Tulip
	(c) Petunia	7 7	Aster
28.	Male sterility is common inMA	2	
	(a) Petunia	(b)	Marigold
	(c) Antirrihinum	Let)	All of these
29.	Self-incompatibility is not common in		
	(a) Ageratum	(b)	Petunia
	(c) English daisy	(d)	Rose
30.	Thimma is an important cultivar of		
	(a) Rose	132.5	Bougainvillea
	(c) Tuberose	, ,	Tulip
31.	Which of following cultivar of roses is	not develo	ped through mutation at IARI?
	(a) Madhosh	(b)	Abhisarika
	(c) Pusa Christina		Arjun
32.	Which of following cultivar of gladiolus	is resista	nt to Fusarium wilt?
	(a) Sagar	(D)	Sapna
	(c) Dhiraj	(a)	Apsara
33.	Pusa Tara is a cultivar of	S	
	(a) Marigold	9.00	Cosmos
	(or Coreopsis		Aster
34.	Which of following is not a cultivar of	Hollyhock	developed at IAHI?
	(a) Pusa Krishna	40)	rusa coma
	(c) Pusa Lalima	3.5	Pusa Gulabi
35.	Which of following is a hybrid of Africa	an marigo	ld?
	(a) Pusa Basanti	(0)	Pusa Marangi
- 51	Pusa Shankar-I	(d)	Pusa Sweta
36	. Which is not a cultivar of China aster	?	DO 14/1-10
THE R	(a) PG Purple	(6)	PG White
	(c) PG Violet	\sim (a)	Poornima

	Which of following is not a cultivar of Tub a) Shringar	perose? (b) Suvashini
(c) Rajat Rekha	(d) Swarna
38. 5	Suvashini is a cultivar of tuberose refease	ed by
	a) IIHR	(b) NBRI
(c) IARI	(d) IHBT
39. V	Which of following is not a fragrant specie	es of Jasminum?
	a) grandiflorum	(b) sambac
1	of primulinum	(d) auriculatum
40. (CO 1 Pitchi is a cultivar of which of follow	ving Jasminum species.
	a) <i>sambac</i>	(b) grandiflorum
(c) auriculatum	(d) humile
41. V	Which is not a cultivar of Jasminum aurica	ulatum?
	Motia Motia	(b) Large round
	c) Long point	(d) Pari Mullai
42. II	n bougainvillea how many cultivars have t	peen developed in India?
(6	a) 50	(b) 175
	c) 150	(d) 200
43. V	Which cultivar of bougainvillea is not devel	oped through inter-specific hybridization?
,,	Mahatama Gandhi Chitra	(b) Begum Sikander
		(d) Wazi Ali Shah
(6	Vhich of following has resulted through na a) Dr. RR Pal	tural hybridization in bougainvillea?
1	c) Summer Time	(b) Rose Queen
		(d) All of these
V	ariegation?	en developed through bud sprouts with leaf
	a) 10	(6) 50
	c) 30	(d) 120
46. W	Which of following cultivar of dahlia was de	veloped at IARI Regional Station Katrain?
		(b) Jyotsana
	c) Manjushri	(d) Karus Di
41. V	hich is/ are cultivar/s of Portulaca develop	ed at NBRI Lucknow?
	c) Ratnam	(b) Lalita
	ossils of roses in USA have been reported	(d) All of above
(a	i) 10	The state of the s
(0	± √ 30	(b) 1
49. D	iploid chromosome no. of roses is	(d) 100
(a	10	(b) 28
70	y 14	(d) 20 ·

50. Which of the Rosa species is resistant to cold	d?
(a) centiflora	bj rugosa
1-7	(d) chinensis
51. Pelargenidin anthocyanidin is present in	colour.
	(b) Orange-Red
1 -7	(d) White
52. Cyandin anthocyanidin is present in	
	(b) Pink
	(d) Yellowish-white
53. Inheritance of pigments is controlled by	
	(b) Dominance
	(d) None of above
54. For expressing fragrance in progenies the	
1 -7	(b) male (d) none of these
4 -7	(d) Holle of these
 Fragrance is controlled by gene. Mono 	(b) Oligo
()	(d) None of these
56. Eminent Rosarian Dr. BP Pal has developed	A A CONTRACT OF THE CONTRACT O
(a) 50	(b) 200
(c) 105	(d) 130
57. Bougainvillea belongs to family	
(a) Nyctaginaceae	(b) Rosaceae
(c) Combretaceae	(d) Apocynaceae
58. Which of following variety has variegated following	iage?
(a) Mrs. HC Buck	(b) I nimma
(c) Dr. RR Pal	(d) Shubra
59. Which of following is not a multibracted Bon	ngainvillea cultivar?
(a) Mahara	(D) Cherry Diosson
(c) Partha	(d) Los Banos Beauty
60. Which of following is bicoloured cultivar?	n. Ottondone
Jay Partha	(b) Splendens
(c) Snow Queen	(d) Sonnet
61. Singleness in chrysanthemum is over	doubleness
(a) Partially dominant	(b) Recessive (d) Any of above
(c) Dominant	
62. Pin and thrum type of flowers are found in	/bb Drimula
(a) Marigold	(d) Petunia
(c) Cyclamen	
63. Gametophytic self incompatibility is found in	(b) Trifolium
(a) Petunia	(d) All of these
(c) Nicotiana	Jan 1

	64.	Which of following is fully compatible?	
		(a) S, x S ₂ x S ₂ x S ₃	(b) S, x S, x S, x S,
		(c) S, x S, x S, x S,	(d) None of these
	65.	Which of following is compatible mating	in pin and thrum flowers?
		(a) ss x ss	(b) Ss x Ss
		(c) Ss x ss	(d) None of these
	66.	In Sporophytic type of self-incompatibilit gene?	y how many alleles are associated with S
		(a) 10	L(b) 30
		(c) 15	(d) 50
		In which type, incompatibility reaction is produced and not by the genotype of the Sporophytic	governed by the plant on which pollen is e pollen?
		(c) Heteromorphic	(b) Gametophytic
	68		(d) None of these
	٠٠.	Genetic male sterility is very common in (a) China Aster	
		(c) Gaillardia	(b) Marigold
	69	A-2-1	(d) Dahlia
	05.	 Which of following is most common type (a) Genetic (c) Cytoplasmic-genetic 	(b) Cytoplasmic
	70		(d) All of above
	70.	Self-incompatibility is overcome by (a) Bud pollination	mig
		(c) Irradiation	(b) Surgical techniques
	71		(d) All of above
	• • •	Single gene male sterility is transferred (a) 3-4	in years.
		JØ 7-8	(b) 5-6
- 3	×72		(d) 4-5
		Which of following breeding method is n (a) Pure line selection	nost successful in ornamental plants?
		(6) Mutation	(b) Mass selection
	73.		(d) the state of t
		Which of following is used for production (a) Nodes	of virus free plants?
		(c) Anther	(b) Meristem culture
	74.		
		Which of following aneuploids are most	y used in ornamentals?
		(c) Trisomic	(b) Nullisomic
	75.		(d) None of above
		In which of following maximum somatic (a) Stock	hybrids have been released?
		(c) Geranium	(b) Petunia
	76		4.15
		Genetic engineering in petunia is targete	ed to evolvecultivars
		(c) Blue	(D) Yellow
			(d) Orange

BREEDING OF CHICKING	67
77. Which of following sweat pea variety has	been developed by sind
(c) Suchitra	(b) Aruna
	(d) TL:
78. Which of the following is not true species	of Bougainvilles?
(4) 0700000000000000000000000000000000000	(b) buttiana
(c) glabra	(d) population
79. Which of following is the cultivar of Rosa (a) Rose Sherbet	damascena developed by JUDE D
	(b) Damascena selection
(c) Himroz	(d) Lalima
 Rose breeders who hold patents for cultive export purpose. 	ars for growing in greenhouse in India for
(a) De Renter	(b) Tan Tau
(c) Kordes	(d) All of above
81. BS Bhattacharji a renowned rose breeder	has developed cultivare
(a) 100	(b) 125
(c) 200	(d) 50
82. Mutation with invisible phenotypic changes	* *
(a) Mutation	(b) Transversion
(c) Micro mutation	(d) Macro mutation
83. Any change from wild type is known as	- A-2
(a) Forward mutation	(b) Point mutation
(c) Somatic mutation	(d) Macro mutation
84. Change from mutant allele to wild type is	, 10 TM
(a) Reverse mutation	(b) Somatic mutation
(c) Nuclear mutation	(d) None of above
85. Which of following carries information from	n nuclear RNA to cytoplasm?
	(b) tRNA
(a) rRNA	MRNA
(c) DNA 86. Which of following cultivar of Chrysanthen	num flower during July-August?
	(b) Punjab Gold
(a) Meghdoot	(d) Birbal Sahini
(c) Maghi	1 (2)
87. Which of following cultivar of Chrysanther	~(b) Maghi
(a) Sharad Mala	(d) None of above
(c) Jwala	* * * * * * * * * * * * * * * * * * * *
88. Which cultivar of Chrysanthemum flower	(也) Himanshu
(a) Sonar Bangala	(d) Aprajita
(a) Countrall	
89. Maximum pollen receptivity in roses is aft	(b) 2
(a) 7	(d) 3
(c) 1	(3) 5

OΛ	For using cut flower rose cultivar shou	ld have
30.	(a) More petals	(D) Opening slowly
		(d) All of above
	(c) Long stem	
91.	Pollen sterility in roses is checked by	(b) Acetocarmine
	(a) Potassium Iodide	(d) All of above
	(c) Ethyl alcohol	
92.	Which of following chemicals are used	in Mutation studies?
	(a) EMS	(D) MES
	(c) NMU	(at) All of above
дз	Gene mutations are common in	
٠٠.	(a) Sweet pea	(b) China aster
	(c) Philox	(d) All of above
04	Dr. Abraham was associated with	7.101
94.		(ط) Orchids
	(a) Rose	(d) All of these
	(c) Jasmine	97 Oct 4: 97 - 98 - 82 - 92
95.	Who of the following was not associated	and the second s
	(a) BK Roychowdhury	(ط) Kaaturi Bangan
	(c) BS Bhattacharaji	(d) Kasturi Rangan
	Who of the following is associated with	Jasmines?
	(a) S Muthuswami	(b) BP Pal
	(c) RS Malik	(d) TK Bose
97.	Who of following is associated with Ma	rigold breeding in India?
	(a) B Singh	(b) RL Misra
	(c) ML Chaudhary	(切) SPS Raghava
98.	Who of the following is not associated	with breeding of gladiolus?
	(a) RL Misra	(b) D Mukherjee
,	(e) SK Bhattacharjee	(d) SR Dohare
99.	Who of the following is associated with	breeding of carnation in India?
	ー(a) US Kaicker	(b) HP Singh
	(c) JS Arora	(d) JC Bhutani
100	. Who of the following is associated with	breeding of orchids in India?
	(a) SS Negi	(b) SPS Raghava
	(c) Foja Singh	(d) KL Chadha

(A) Multiple Choice Questions		
Sleepiness is associated with flowers of (a) Gladiolus (c) Chrysanthemum	(d) Tulip	
 Which of the following Dianthus species (a) caryophylus (c) nobilis 	(b) chinensis (d) barbatus	
3. Which of the type of carnation is grow (a) Marguerite (c) Marmaison	n on large scale in green house? (b) Perpetual (d) Border & Picotee	4
 4. Which of following cultivar is not tolera لاعل Tangerine Sim (c) Naveda 	ant to Fusarium wilt? (b) Revada (d) Vanya	
 Arthur Sim carnation is highly resistar (a) Fusarium willt (c) Stem Rot 		

COX					
Stem rot of carnation is caused by					
Anizoctonia	(b) Botrytis				
(c) Fusanum	(d) Uromycoc				
Flower but rot of carnation is caused to	ру				
Ma) Botrytis	(b) Fusarium				
(c) Pleospora	(d) All of above				
which of the following is most serious pest in carnation?					
Red spider mite	(b) Aphid				
(c) Thrips	(d) Moth				
23. Lotus belongs to family					
(a) Rosaceae	(b) Nymphaeaceae				
(c) Lotaceae	(d) Compositae				
24. Which of following is not a common no	ame of lotus in Sanskrit?				
Jay Water lily	(b) Padma				
(c) Kamala	(d) Pankaja				
25. Who is not associated with lotus?					
(a) Brahma	(b) Vishnu				
(c) Shiva	(d) Krishna				
26. Rhizomes of which of the following are					
Lotus	(b) Canna (d) Calla lily				
(c) Hydechium					
27. Nelumbo lutea is commonly known as (a) American lotus	(b) Indian lotus				
(c) Chinese	(d) Kamala				
28. In miniature carnations which operation	A 5				
(a) Pinching	(b) Long day				
(c) Staking	(d) None of these				
29. Carnation is classified as plant	t a				
(a) Short day	(b) Long day				
(c) Day neutral	(d) None of above				
30. Perpetual carnations are commercially	propagated by				
(a) Terminal stem cutting	(b) Seed (d) All of above				
(c) Suckers					
#31. Pinching in carnations is normally dor	(b) 6-7				
(a) 4-5 (c) 8-10	(d) 10-12				
32. Which of following pinching type is pr	acticed to get a single peak?				
(a) Single	(b) Double				
(c) Pinch and a half	(d) Single pinch plus pull pinch				
33. Calyx splitting is common practice in	(b) Marigold				
(a) Gladiolus	(d) Lily				
(c) Carnations	• •				

 Which of following operation is pra (a) Pinching 	ncticed to get large bloom in carnation? (b) Disbudding
(c) Defoliation	(d) Pruning
35. Silver Thiosulphate is not common	ly used to enhance flower longevity in
(a) Rose	(b) Tulip
(c) Lily	(d) Carnation
Society of American Florists has c following grade.	lassified carnation & does not include which of
(a) Blue	(b) Red
(c)~White	(d) Green
37. One kg oil is obtained from how m	uch roses
(a) 10 ton	(ம்) 3-4 ton
(c) 10-15 ton	(d) 0.1 ton
38. Gulkand is prepared by mixing rose	e petals and sugar in ratio of
(a) 1:1	(b) 2:1
(c) 1:2	(d) 1:3
	.a. *V.5*\
 Fossils of roses in USA have been (a) 10 	
(c) 30	(b) 1 (d) 100
	(d) 100
40. Diploid chromosome no of roses is	C202 - 202
(a) 10	(b) 28
(c) 14	(d) 20
 Which of the Rosa species is resist 	ant to cold?
(a) centiflora	JbY rugosa
(c) foetida	(d) chinensis
Pelargenidin anthocyanidin is preser	it in colour.
(a) Blue	(b) Orange-Red
(c) Yellow	(d) White
43. Cyandin anthocyanidin is present in	• • •
(a) Black	
(c) Bruish-Red	(b) Pink
	(d) Yellowish-white
 Inheritance of pigments is controlled 	
(a) Additive	(b) Dominance
(c) Epistasis	(d) None of above
For expressing fragrance in progenie	s the parent should possess fragrance
(4)	(b) female
(c) both	(d) none of these
Fragrance is controlled by ge	ne.
(a) Mono	
(c) Poly	(b) Oligo
The second production of the second s	(d) None of these

00-	
47. Chemical defoliation in roses is done	105 by
(a) Ulea	
(c) Auxin	(d) GA
48. The time for budding in roses in N.	I. plains.
(a) September-October	
(c) April-May	(d) July-August
49. Which fragrant cultivar of rose is gro	Own in greenhouse of
(a) Normous	(b) Cocktail
(c) Jacaranda	(clif All c
50. Now-a-days thornless rose cultivars a	are becoming possit
tollowing falls in this category.	All of above are becoming popular among consumers, which of
Jan Grand gala	(b) Mercedes
(c) Motrea	(d) All of above
1. Which is most popular variety of ros	es in protected guittings
3	(b) First Red
(c) Konfetti	(d) All of above
52. Which colour roses are most popula	r?
(a) Red	(b) Pink
(c) Yellow	(d) White
53. Roses with stern length of around	cm are preferred in those days
(a) 100	(b) 80
(c) 30	(d) 50
54. In greenhouse how many stems are	expected from one m ² area
(a) 100	(b) 200
Joy 400	(d) 600
55. In cut roses minimum vase life shou	ld be days.
(a) 10	(b) 8
(c) 20	(d) 12
6. In greenhouse soil temperature	°C is optimum for rose cultivation.
(a) 13-18	(b) 22-23
(c) 25-28	(d) 18-20
57. Which flower is universally acclaimed	d as the queen of flowers?
(4) Tulip	(b) Rose
(c) Carnation	(d) Orchid
58. Which of the following method is use	ed to extract oil from rose petals?
oid lastilloned field stills	(b) Modern direct fire stills
(c) Steam stills	(d) All of above
59. In Rosa damascena oil percentage i	s
(a) 0.03 (c) 0.5	(b) 0.2
(9) 0.3	(d) 0.1

		A GI A.
	Pyrethrum is extracted from which Ch	arysanthemum species.
60.	Pyrethrum is extracted from which	(b) indicum
	Jay morifolium	(d) sinense
	(c) cinerariifolium	38 / W
61.	Which type of chrysanthemum looks	(b) Pompon
	(a) Incurve	(d) Decorative
	(c) Anemone	
62.	Which chemical is used for disbudding	g in conysantnemum?
	(a) Oxathiin	(b) MH
	(c) Cycocel	(d) SADH
63.	Which grade is not recommended by	society of American Florists for chrysanthemum?
	(a) Gold	(b) Silver
	(c) Iron	(d) Bronze
64	. Grey mould in chrysanthemum is cau	sed by
04	(a) Fusarium	لطل Botrytis
	(c) Alternaria	(d) Septoria
CE		
65	. Which of following virus is less comm	(b) Tomato Aspermy
	(a) Stunt	(d) Tomato Mosaic virus
-	(c) Rosette	
66	. Which is very serious pest in chrysan	
	(a) Aphid	(b) Red spider mite
	(c) Heliothis	(d) Thrips
67	. Which of the following is commonly k	
	(a) Gladiolus	(b) Kaifer lily
	(c) Nargis	العن Alstroemeria
68	. Gerbera is native to	1004
	(a) Australia	(b) Asia
	(c) America	(d) Europe
69	. 100-g rose fruit syrup will contain	
	(a) 10	(b) 100
	(c) 150	(d) 50
70	. Which of the following is commercially	y propagated by bulbils?
	(a) Gladiolus	(b) Lily
	(c) Carnation	(d) Rose
71	. Gray mould of cut roses can be contri	rolled by dipping in
	(a) NaCl	(b) Urea
	(c) NaOCI	(d) KCI
72	. Which of the following is the emerging	g cut flower in the sub-tropics in the world?
	(a) Bouvardia	(b) Bougainvillea
	(c) Sweet pea	(d) Aspidistra
73	. Vase life of Bouvardia cut flowers is a	
	(a) 2	(b) 12
	(c) 20	(d) 30

74. Which of the following has highly fragrant cut flowers?

(a) Tulip

(b) Gerbera

(c) Freesia

(d) Dahlia

75. Which of the following shrub has gained popularity as cut flower in the world?

(a) Hypericum

(b) Jasmine

(c) Crossandra

(d) Aucuba

WEV

(A) Multiple Choice Questions			
1. Which city is regarded as foliage	e capital of the world?		
(a) Washington (c) Florida	(b) Sydney (d) Tokyo		
2. Which of the following is the lar			
(a) China	the Netherlands		
(c) UK	(d) India		
3. From Asia which is the leading	exporter of cut greens?		
(a) India	(b) Japan		
(c) Singapore	(d) China		
4. Which of the following is not very common cut green crop?			
(a) Euphorbia	(b) Asparagus		
(c) Eucalyptus	(d) Sword fern		
5. Which of the following is not co	mmon conifer for cut green?		
(a) Podocarpus	(b) Taxus		
(c) Offir pine	(d) Cupressus		
6. Which of the following herbaced	ous perennial is not good for cut foliage?		
(a) Lycopodium	(b) Hosta		
(c) Adiantum	(d) Impatiens		
7. Which of the following is not a	fern grown for cut foliage in the world?		
(a) Adiantum	(b) Rumohra		
(c) Hosta	(d) Cyathea		
	is stored at a temperature of° C.		
(d) 2-5	(b) 10-15		
(c) 20-25	(d) Any temperature		

9.	Which of the following fern is most popula	r cut	green?
	(a) Polypodium		Pteris
	(c) Rumhora	(d)	Adiantum
10.	Which of the following palm produces mos	t pop	ular cut green?
	(a) Caryota	45	Chamaedorea
	(c) Phoenix	(d)	None of these

EXERCISE

(d) Bajubandhs

(A) Multiple Choice Questions

(a) Garlands (c) Buttonhole

•	•		
 Which of following is not used for making garlands? 			
	(a) Marigold	(b) Crossandra	
٠.	(c) Gladiolus	(d) Chrysanthemum	
2. Floral bangles and crowns are made from			
	(a) Jasmine	(b) Tuberose	
	(c) Chandni	(a) All of these	
3.	Which of following are not co	mmonly seen in paintings of Ram and Sita?	
	(a) Garlands	(b) Bangles	

100	SE TEC		
4.	Poet Kalidasa in his epics Meghaduta mer with	ioned that th	e women decorate their hairs
	(a) Lotus	(b) Kadamb (d) Aster	
	Flowers of Albizia lebbek (Sirish) are used (a) Wrist (c) Hairs	(b) Neck (d) Ears	••••••••••••••••••••••••••••••••••••••
	Which of following is not used for making (a) Crossandra (c) Michelia	(d) Marigolo	d .
	Which of following is used singly for decor (a) Rose (c) Tuberose	(b) Crossar (d) Jasmine	ndra e
8.	Which of following orchid flowers are used (a) Dendrobium (c) Cattleya	or hair decor (b) <i>Phaius</i> (d) <i>Arides</i>	ation in Hawaii?
9.	Veni is very common in Bharat Natyam da (a) Jasmine (c) Crossandra	ce in South (b) Tuberos (b) All of al	e,
10.	Drawing of various pictures or figures with on the floor is known as (a) Painting (c) Rangoli	he help of d (b) Pictures (d) Any of	sque
11.	Wreaths are laid down to pay respect to . (a) Guest coming to house (c) Departed soul		a friend
12.	Bouquets are not presented on/for		ning a guest ge function
13.	Decorating pockets and coat collars with a (a) Veni (c) Corsage	single flower (b) Bangle (d) Any of	3
	Maximum acreage is under which loose fl (a) Rose (c) Carnation	(d) Marigo) (d) China (ld aster
	Inter-specific hybrids are very common in (a) China aster	vhich loose f (b) Barleria (d) Rose	
16.	Tuberose belongs to family (a) Liliaceae (c) Amaryllidaceae	(b) Iridace	

	Which of the following is vitays?	very common cut flower, loose flower or pot plant in short
(8	a) Rose	(b) Chrysanthemum
	c) Tuberose	(d) Jasmine
	White and yellow cultivars egion of India?	of chrysanthemum are grown for loose flowers in which
(a	a) North	(b) West
(0	c) East	(e) South
19. W	hich of the following loos	e flower is not a shrub?
Ja	Tuberose	(b) Jasmine
(c) Crossandra	(d) Barleria
20. W	hich of the following loos	e flowers can not be stored in cold storage below 15°C?
) Rose	(b) Crossandra
(c)) Chrysanthemum	(d) All of these

EXERCISE

A. Multiple Choice Questions can decorate the office or home from months to years, JOY Dry flowers (a) Cut flowers (d) All of these (c) Cus topage 2. Which of the following is characteristic of dry flowers? (b) Longevity (a) Aesthetics day All of these 1. Which of the following was largest importer of dry flowers during 2012? (b) Spain 4d UK (d) Russia Which of the following was exporter of dry flowers during 2012? IC! LIAE (b) Australia Jay Netherland (d) Singapore (c) South Korea 5. Which at the following flowers is not grown for dry flowers? (b) Paper flower (a) Straw flower (d) Statice (c)-Tulp (D) 60-65 (a) 10-15 (d) 80-90 (c) 20-30 7. The main dry flower product being exported from India is...... (b) Hybrid lilles Lolus pods (هل (d) None of these (c) Rose ... is the largest dry flower exporting company from India. Jb) Ramesh Flower Ltd. Tulikerin (a) Cosco Flora (d) Kasturi Flowers Ltd. (c) Deccan Flora 9. Most of the companies exporting dry flowers are situated at (b) Shimla Jal Tuticorin (d) Gon (c) Bangalore Wall sceneries (by Potpouris (a) Wall sceneries (d) Flower arrangements (c) Pot plants 17. The plant material suitable for drying should be resistant to (b) Toxinii (a) Moulds Or All of those (c) Narrous odours means to dry something under artificially produced heat through controlled temperature, humidity and air flow. (d) None of these (a) Cooling (c) Desiccation 13. Which of the following has beautiful natural dried fruits? (b) Bael (a) Amaitas d) All of these

(c) Pries

ICIAL	TABLE.	NTAL			100	_			_				-	100
		has be	enutifi,	d matu	ral di	ed se	eds.							
(a) Inc	ian k	quorio					(b)	Hed	tera					
Joh Ma	rigold						(d)	Woo	od ros					
5. Which	of the	follow	wing is	s mos	t suite	ibis lo	r ar ti	rying'	7					
101 PH	ner ik	TARINI					(b)	Ano	phale					
Int Sh	aw ik	TOW					, (d)	AL.	of the	se				
6. Any m	ateria	which	nom:	oves (most	re wil	hout n	eactir	ng with	il is	know	n as	etetini.	
Jal De	SHOCIN	74					Jb)	Det	hydrali	10				
Cab Alb	andbe	rnt.						Dit						
7. The de	sicca	nt sho	uld h	ave a	n idea	size	ol	m	m.					
(a) 1-	W.						u.	,						
1.1 0.1									of the					
a. Which	at the	follow	wing i	s suit	able d	esicca	ant for	Howe	e dry	ng?				
Jal Sil	CIS OF	4					100	1						
D10-10-10-10-10-10-10-10-10-10-10-10-10-1	elec MC	ल ((१)							of the		425.			
(c) 60	DIE CH	en wh	ich is	the c	ptimu	m ton	nperab	nue (,	C) to:	dryir	197			
(a) 30	40						150							
2.4.40	en .								y of th		100			
w Which	of the	tollor	wng i	s the	quick	est m	ethod	of flor	war a	rying				
(at Mi	CFOWE	V€					100	7						
Tel Co	ART CALL	ver.							om d					
21	d	rying	s dor	e at	very k	DW 104	nperal	LINE L	1b 10 -	-35 'L	4.			
(a) Va	CUUM	1					- 0	af Fra Sh A≥	DOM:N					
Les Cr	ini.													
22. Which	of the	e tollo	wing a	pre de	ied by	wale	er drye	ng imi	etnoa om fla	f.				
(a) H	CHAIN,	Gia .					٠,	,,	of th					
fet Br	hv's t	weath												
23	dries	1 flowe	ers an	e uses	d for t	malun	g gree	ling s	nbedo	led				
(a) Air							- 4	il Fr		10.0				
Ser Pr	955					>-		1000		2				
24. Which	of the	a follo	wing	a not	ined	for pr	esurvi	ng no	olyais	1				
(a) St	gar							9 H,	Sil and					
(c) K(31					*				14.7				
25. Which	of th	a lollo	wing	s not	a ser	iona t	Jesi O	N SI	Iver fi	nte.				
(a) M	oe						- 1	4	aterpi					
(c) Bo	ook lic	6				_			47					
						K	Y							
	noine	Ques	tions			10.0	-9				_	2040	8	ibi
Authoria Ci		(d)		(a)	4.	(a)	5.	(c)		(b)		(4)	tsi.	
N1047000		22.0		(d)		(b)	13.	(d)	,	(2)		(d)	24.	
1. (b)	10	(6)	* * * *				21.	thi	22.	(4)	23.	(G)		141
1. (b) 9. (a)	10.	640	10	(c)	200.	(a)		160		4				
1. (b)		(0)	19.	(0)	20.	(a)	• **	(L)		4				

A. M	lultiple Choice Questions	
1.	CO ₂ concentration in greenhouse for rose (a) Upto 500 (a) 1000-3000	growing should be ppm (b) 4000-6000 (d) 500-1000
	Optimum day temperature for rose growi (a) 15-20 (c) 10-15	ng is°C (b) 25-30 (d) 25-35
	In greenhouse optimum plant density of thousand plants. (a) 20-30 (c) 80-100	(b) 30-40 (d) 60-70
	Black spot disease in roses is caused by (a) Diplodea (c) Alternaria	(切)Diplocarpon (d) Botrytis
	Coals and bark are important constituent (a) Rose (c) Tulip	s of potting media for growing (b) Orchid (d) Bryophyllum

6.	The planting density of chrysanthemum in	greenhouse is optimum per m2
	(a) 64	(b) 32
	(c) 48	(d) 16
7.	In India who has introduced climate contro	olled green house.
•	(a) ICAR	(b) Mahyco Seed Co.
	(c) Indo-American Hybrid Seed Co.	(d) Sutton & Sons
R	How much area is under greenhouses in I	ndo-American Hybrid Seed Co.?
0.	(a) 5 ha	(b) 2 ha
	(c) 8 ha	(d) 20ha
٥	Which of following is not a suitable greenh	ouse covering material in hills?
3.	(a) Glass	(b) Fibber glass
	(c) Polythene	(d) Polycarbonate
10	. Which of following greenhouse structure is	most suitable to hilly areas? Indian Cod
	(a) Gable	(b) Quonset
22	(c) Ground to ground	(d) Tunnel
11	. Maximum operation cost of greenhouse in	adonset.
•••	(a) Heating	(b) Cooling
	(c) Watering	(d) Shading
12	Normal humidity in greenhouses should be	100 au
	(a) 40-50	(b) 60-65
	(c) 70-80	(d) 80-100
13.	Light intensity in greenhouse is not controll	ed by
	(a) Aluminium	(b) White nylon
	(c) Black nylon	(d) Tarpaulin
14.	Optimum electrical conductivity in greenhou	
	(a) 3-5	(b) 1-3
	(c) 5-8	(d) upto 1
15.	Soil decontamination in greenhouse is done	e by
	(a) Heat treatment	(b) Fumigation
	(c) Solarization	(d) All of above
16.	For, establishing greenhouse which of the study?	following is least cared during feasibility
	(a) Economics	(b) Climate
	(c) Type of crop	(d) Labour
17.	Optimum growing temperature in green hou	0
		(b) 20-27
	(c) 25-35	(d) None of these
18.	The optimum night temperature of chrysant	
	(a) 10-12	(b) 15.5-16.5
	(c) 13.5-15.5	(d) 18-20

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2) Muniraj Singh Rathod Book
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ORNAMENTALS IN GREENHOUSE

19.	Which of following grow luxuriant	ly in high humidity?
	(a) Anthurium	(b) Orchid
	(c) Rose	(d) Lily
20.	Portable mini tunnels are very us	eful for growing healthy
	(a) Cut flowers	(b) Cut greens
	(c) Nursery	(d) Pot plants

A)	Multiple Choice Questions	
	About 70 percent of longevity of cut flowers	
	(a) At harvest	(b) Post harvest handling
	(c) Genetics of plant	(d) Management factors
2.	Two conflicting processes of growth-promot found in	otion and retardation of metabolism are
	(a) Foliage	(ਖ਼) Flowers
	(c) Vegetables	(d) Fruits
3.	In Normal air how much ethylene is preser	ent?
	(a) 1 ppm	(b) 100 ppb
	(9) 3-5 ppb	(d) 5-10 ppb
4.	How much ethylene concentration is detrim	nental to cut flowers?
	(a) 10-20 ppb	(b) 1-5 ppm
	(c) 50-100 ppb	(d) 30-50 ppb
5.	A treatment after harvesting by using water	er to restore turgidity is known as
	(a) Pulsing	(b) Loading
	(c)/Hardening	(d) None of these

6. Treatment of cut flower after harvesting w	ith high concentration of sugar is known as
(a) Pulsing	(b) Hardening
(c) Loading	(d) (a) and (c)
7. For pulsing optimum room temperature is	°C
(a) 10-15	(b) 20-25
(c) 25-30	(d) 15-22
8. Optimum pH of holding solution should be	9
(a) 2-3	(b) 4-5
(c) 6-7	(d) 7-10
9. Which of the following commercial formula	ation are used as preservative?
(a) Seven up	(b) Petal life
(c) Oasis	(a) All of these
10. CO ₂ and ethylene are removed when atm	ospheric pressure is atm.
(a) 1	(b) 10
(g)- 0.1	(d) 2
11. Bent neck in roses is very common when	grown at Light intensity
(a) High	(b) Medium
(c) Low	(d) At any
12. The substrate for ethylene production in p	plant is
√(a) Methionine	(b) Cyathine
(c) Quonine	(d) Digene
13. Which of following is less sensitive to eth	nylene?
(a) Carnation	(b) Gerbera
(c) Orchids	(d) Snapdragon
14. Which of following block xylem of cut flow	wers?
(a) Bacteria	(b) Yeast
(c) Molds	√(d) All of these
15. Which of following is effective bactericide	?
(a) Silver Nitrate	UBY HQC
(c) Sugar	(d) Cobalt Nitrate
16. Which of following is most important ethy	ylene inhibitor?
√(a) 1-MCP	(b) Sugar
(c) Citric acid	(d) Nickel chloride
17. Which is most common germicide?	
(a) Salt of HQ	(b) Silver nitrate
(c) Aluminium sulphate	(d) Silver Thiosulphate
18. Which of following is not ethylene inhibit	or?
(a) AVG	(b) MVG
Les NAA	(d) AOA

19.	Which of following is strongest senescence (a) Abcissic acid (ABA) (c) PBA	(b)	ulator? BA AOA
20.	Which of following is used as a wetting age (a) Tween 20 (c) Washing powder	nt?	Soap
21.	Impregnation of cut flowers is very common (a) Aster	in . (b)	
22.	Which of following pot plant is highly sensiti (a) Euphorbia (c) Cordyline	ve to	ethylene? Scindapsus
23.	Which is not moderately sensitive to ethylen (a) Dracaena (c) Asparagus	(b)	Dieffenbachia Schefflera
24.	Which of following is not highly sensitive to (a) Achimenes (c) Hibiscus	(b)	lene? , Fuchsia Primula
25.	Which of following is less sensitive to ethyle (a) Chrysanthemum (c) Begonia	(b)	Kalanchoe Beloperone
26.	Green Glo is used for improving longevity of (a) Flowering (c) Fruiting	-(b)	pot plants. Foliage None of these
27.	Which of following is highly sensitive to chilli (a) Tulip (c) Anthurium	(b)	njury? Lily Freesia
	Which of following is less sensitive to chilling (a) Rose (c) Poinsettia	g inj (b)	
29.	Ethylene in cold storage is removed by (a) Ventilation (c) Low pressure	(b)	•
	Optimum light in cold storage is Lux. (a) 100-200 (g) 500-1000	(b)	1000-15000 2000-5000
•	Optimum cold storage temperature for carna (a) 0-1 (c) 4-5	tion (b)	is ºC. 1-2
32.	Bird of paradise flowers are stored at	.°C.	10-12 8-10 4-5

		, oc. rollings
33.	Un-rooted carnation cuttings can be store (a) 2-5	d at°C for 2 months
	(c) 5-7	(b) 5-0
	* 555	(d) 10-12
34.	Water disinfection is done by (a) Sodium chloride	
	(c) Potassium chloride	46) Sodium hypochloride
		/ n —
35.	Which of following is not commonly used (a) UV rays	as water disinfectant?
		(b) Aluminium sulphate
	(c) Sodium hypochloride	1-11-0
36.	Optimum dose of gamma radiation for pro	longing vase life is K rad
		(b) 1-2
	(c) 50-100	(d) 20 40
37.	In low pressure storage (LPS) pressure in (a) 1	storage room is reduced to
		(b) 10
	(c) 5	6th 0.1
38.	Sanitation of storage room is done by	DDM solution of sodium bype chloride
		(b) 100
	(e) ⁻³⁰⁰	(d) 1000
39.	Which is not suitable for dry transportation	?
	(a) Carnation	(b) Chrysanthemum
	(c) Lily	(d) Iris
40.	Geotropic bending during transportation is	common in
	(a) Gladiolus	(b) Snapdragon
	(c) Lupine	(d) All of these
41.	In room flower vase should not be kept ner	ar
40.5	(a) Fan	(b) Oven
	(c) Heater	(d) All of these
42.	Flower stems of the following should be no	rmally kept in boiling water for seconds.
e 18	(a) nose	(b) Poinsettia
1925	(c) Lily	(d) Tulip
43.	In homes, which of following is used to inci	
	(a) Salt	(b) Sugar
	(c) Glucose	(d) Oil
74.	n normal air CO ₂ concentration is about	ppm.
	(a) 100 (c) 500	(p) 300
		(d) 50
٠.	The period for which flowers of a species re known as	emain presentable when kept in vases is
	(a) Vase life	(b) Display life
	(c) Shelf life	(b) Display life (d) All of these
		1-1/

46. Which of following is complex morpholog	ical unit?
(a) Seed	(b) Vegetable
(c) Fruit	(d) Flower
47. Salt of 8-Hydroxy Quinoline normally	
(a) Acidity water	(b) Improve water balance
(c) Act germicide	(d) All of above
48. Which of following act as acidifying agent	17
(a) Sugar	(b) Citric acid
(c) Silver Nitrate	(d) Cobalt Nitrate
49. Bluing of rose petals is due to	• A
(a) Accumulation of ammonia	(b) More salt
(c) Less sugar	(d) Bacteria
50. Which of following phytokinin is used for i	0.00
(a) BA	(b) IBA
(c) GA	(d) PBA
	4
 Which of following act as bactericide in va (a) DICA 	(b) DDMH
(c) 8-HQC	(d) All of these
52. Stem plugging in cut flowers is reduced by	
(a) Low pH up to 3.5 (c) Azide	(b) Calcium Nitrate (d) All of above.
	5 5
53. In pecooling temperature of flower is redu	
(a) 5 (c) 10	(b) 1
(c) 10	(d) 20
54. CO ₂ concentration in greenhouses is optim	num ppm for high vase life.
(a) 100 (c) 20000	(b) 1000
(c) 30000	(d) 300
55. Which of the following constitute about 40	
(a) Asparagus	(b) Leather leaf fern
(c) Podocarpus	(d) Eucalyptus
56. Hypobaric storage is also known as	
(a) Controlled atmospheric storage	(b) Modified atmospheric storage
(c) Low pressure storage	(d) All of above
57. Which of following is not a step in chain of	life?
(a) Refrigeration	(b) Use of preservative
(e) Selection of cultivar	(d) Sanitation
58. Which salt of following is detrimental to flow	
	√(δ) Fluorine
(c) Aluminium	(d) Calcium
59. 'Bull head' roses are produced due to	
(a) Thrips infestation	(b) Insufficient CHO
(c) Hard pruning	(d) All of these

60. Limp neck is a disorder of	
(a) Gladiolus	(b) Rose
(c) Tulip	(d) Carnation
61. Yellow rose cultivars are harvested at .	bud stage.
(a) Tight	(b) Slightly loose
(c) Half open	(d) None of these
62. Which of following is not serious fungu	
(a) Pythium (c) Penicillium	(b) Botrytis
	(d) Alternaria
 Which of following accelerate senescer (a) Abscissic acid 	
(c) High temperature	(b) Ethylene (d) All of above
64. Quilling of florets is common disorder in	
(a) Chrysanthemum	(b) Carnation
(c) Dahlia	(d) Tulip
65. Petal burn in chrysanthemum is due to	
(a) Copper	(b) Boron
(c) Calcium	(d) Potassium
66. Optimum temperature for long term ho	lding of chrysanthemum is °C.
(a) 0-1	(b) 2-5
(c) 5-9	(d) 10-12
67. A lip opposite to odd sepal in orchid fi	
(a) Column	(b) Labellum
(c) Keel	(d) None of these
68. Chilling injury is common in	we've how
(a) Cattleya	(b) Cymbidium
(c) Vanda	(d) Paphiopedilum
69. Orchids under normal conditions can l	7 V 171
(a) 5-7	(b) 2-5 (d) 10-12
(c) 0-2	
70. Short days at 1-2 leaf stages in gladic	(b)-Blind shoot
(a) Bud blasting (c) Poor spike	(d) Multiple-spike

71. Topple disorder in gladiolus is becaus	(b) Calcium
(a) Boron (c) Nitrogen	(d) Potassium
72. Deficiency of Nitrogen and Calcium in	
(a) Topple	(b) Geotropic bending
(c) White tipping of perianth	(d) Abnormal anther development
73. Ancymidol is used in to reduce	The state of the s
(a) Lily	(b) Daffodil
(c) Tulip	(d) Carnation
	Note: A second of the second o

KEY

(A)	Multiple Choice Questions		
1.	Who collected drops of rose oil from canal Jahangiri'? (a) Shahjahan	(b)	i with rose petals and named it 'Attre Noorjahan Noormahal
2.	(c) Mumtaj According to 'Ibne khal doon' an industry prose water existed during 800-900 A.D. in (a) Turkey	rodu which	cing perfume said that rose oil and
	Lor Persia	(d)	UAE
3.	Who discovered rose oil in 9th century? (a) Ibraham (c) Akbar		Babur Avi Cena
	Which of the following is not a Rosa special (a) indica (c) bourboniana	(b)	own for oil extraction? damascena centifolia
5.	Which of the following is not a cultivar of F (a) Noorjahan (c) Himroz	√ (b)	damascena? Sherbat Jawala
	Which country is the largest producer of ro (a) Bulgaria (c) India	(b)	I? Italy China
7.	One kg rose oil is extracted from fla (a) 10 q (c) 1.5 ton	(b)	s. *3-5 ton 50 kg
8.	In which state of India distillation of rose is (a) Punjab (c) Rajasthan	(b)	done? Uttar Pradesh Kerala
9.	Rosa damascena is commonly propagated (a) Seed (c) Budding	46)	Stem cutting All of these
	Himroz cultivar of <i>Rosa damascena</i> is deve (a) IHBT Palampur (c) NBRI Lucknow	(b)	d at IARI New Delhi IIHR Bangalore
11.	Which of the following is not a species of (a) sambac (c) grandiflorum	167	inum grown for oil extraction? humile auriculatum
12.	Jasmine distillation units are commercially (a) Manipur (c) Delhi	set u	

 Which country is the largest producer of jagest Egypt 	asmine oil? (b) Sri Lanka
(c) China	(d) USA
14. Which species of Jasminum is grown for h	7/ 5
(a) sambac	(b) grandiflorum
(c) multiflorum	(d) flexile
15. Jasmine word is derived from word	
(a) Italian	(b) Latin
(c) Arabian	(d) Tamil
16. Which of the following term is not common	in perfumery?
(a) Otto	(b) Absolute (d) Ethylene
(c) Concrete	
17. Which of the following is not oil extraction	(b) Maceration
(a) Enfleurage (c) Propeller	(d) Solvent extraction
18. Which of the following is most common sol	
(a) Petroleum ether	(b) Tarpene
(c) Acetone	(d) Distilled water
19. Seeds of which of the following are used in	extraction of jasmine oil?
(a) Mustard	(b) Wheat
(c) Sesame	(d) Castor
20. One ton flowers of jasmine yield kg	
(2) 5.5	(6) 1.3-1.5 kg
(c) 4-5 kg	(d) 10-12 kg
21. Which of the following method is not used	
(a) Old fashioned field stills	(b) Modern direct fire stills (d) Sesame seed moistening extraction
(c) Steam stills	- 17.5
22. The oil content is more in Damask flowers	
(a) Delhi (c) Palampur	(b) Lucknow (d) Jaipur
23. Damask rose flowers should be harvested a	
(a) 8-10 AM	(b) 10-12 AM
(c) 4-6 PM	(d) Any time
24. The concrete content in carnation flowers is	1.7
	(b) 0.2-0.3
(c) 2.0-3.0	(d) 0.02-0.03
25. Which country is the largest producer of ca	rnation perfume?
(a) France	(b) India
(c) China	(d) USA
26. Which country is the largest producer of Mi	chelja champaca perfume?
	(b) China
(c) Bussia	(d) Egypt

27. Which species of Tagetes is comm	
(a) tenuifolia	(b) erecta
(c) patula	(d)- minuta
28. Which of the following crop is not of	grown in Chamba (HP) for oil extraction?
(a) Lavender	(b) Geranium
(c) Narcissus	(d) Damask rose
29. Which of the following is not a crop	p grown for perfumery?
(a) Rose	(b) Lilium
(c) Geranium	(d) Carnation
30. Which of the following is not a cult	tivar of tuberose?
(a) Rajat	(b) Rajat Rekha
(c) Swarna Rekha	(d) Subhasini
	10. f
31. Which of the following tree is not of	(b) Michelia
(a) Araucaria	(d) Plumeria
(c) Magnolia	
32. Roots of which of the following are	B used for ow extraction:
(a) Sweet pea	(b) Iris
(c) Gardenia	(d) Rose
33. Which of the following annual is c	ommercially grown for oil extraction?
(a) Pansy	(b) Paper flower
(c) Sweet pea	(d) Salvia
34. Which of the following shrub is gr	own for oil extraction?
(d) Gardenia	(b) Cestrum
(c) Hibiscus	(d) Sambucus
35. Which of the following is essentia	I for storing perfume?
	(b) Dark
(a) Cool temperature	(d) All of these
(c) Air tight container	Sy 3



A. Multiple Choice Questions	
1. Bonsai culture actually has origin	in
(a) China_	(b) Japan
(c) Singapore	(d) Korea
In the world who has popularized (a) Korean	the bonsai cultivation?
(c) Chinese	(d) American
3. Which of the following is not a b	onsai style?
(a) Raft	(b) Wind-swept
(c) Broom	(d) Globular

4.	Which type of following co (a) Oval (a) Tall square	ontainer is good for cascade style bonsai? (b) Round (d) Square
5.		e is most suitable for making bonsai? (ط) Copper (d) All of these
6.	Which of the following shi (a) Bougainvillea (c) Poinsettia	rub is good for bonsai? (b) Jasmine (d) Opuntia
7.	Which of the following fru (a) Guava (c) Papaya	it tree is not good for bonsai? (b) Fig (d) Orange
	Which of the following tre- (c) Banyan	e is not good for bonsai? (b) Jacaranda (d) Pipal
9.	Which of the following clir (a) Duck flower (c) Petrea	mber is good for bonsai? (b) Moon flower (d) Quamoclit
10.	Which of the following doe (a) Slurry (c) Groundnut cake	es not provide good nutrition to bonsai? (b) Chemical fertilizers (d) Neem cake

	ENGINEERING TO LETTER TO THE PERSON OF THE P		
1	Japanese arrangement of flowers is known (a) Ikebana – (c) Suchigama	(d) All of above —	
	Japanese flower arrangement was started to (a) Morimono	(d) Rayoanji	
3.	Sogestu a style of Japanese flower arrange way	ement differs from Ikebana in the following	
	(a) No Basic principle followed (b) Only few basic principles are used (c) All basic principles are used but studen (d) All of above		
Δ	Which of following is not the basic line of I	Ikebana?	
7.	(a) Filler	(b) Man	
*	(c) Earth	(d) Heaven	
	(c) Earth		
5.	Which of following is refereed as neutral lk	(b) Moribana -	
	(-)	(d) Nagiere	
	(c) Jiyubana	(u) Nagiero	
6.	In Nagiere flower arrangement, which of fo	ollowing is most appropriate nower vase:	
٠,	(a) Round	(b) Ovai	
	(c) Tall ~	(d) Flat	
	Corrain	arrangement?	
	Which of following is known as free flower	(b) Moribana	
-	Jiyubana	(d) None of above.	
	(c) Zenei-ka	• • •	
8	Which of following arrangement does not s	simulate nature?	
٥.	(a) Sogetsu	Zeriel-ka	
	(c) Ikenobo	(d) None of above	
	(c) Reliabo	lowers and foliage is used to make it mor	е
9.		ioword and ionage	
20%	natural.	4b) Morimono	
00	(a) Ikenobo		
4	(c) Nageire	(d) All of above	
10.	In Japanese language fillers are known as	s	
	(a) Shin	(b) Soe	
	Jushi -	(d) Hikae	
. / `			
11.	Heaven is placed in flower vase at an ang		
V	Jay 45	(b) 10	
	(c) 30	(d) 75	
12.	In Japanese language man is known as		
1 A.S.	(a) Soe -	(b) Jushi	
-	(c) Sogestu	(d) Manni	
	(c) Sugestu	(3)	

13	Japanese flower arrangement is based on		themes.
	(a) Religious	40)	Spiritual
	(c) Social		Artistic
14	. English flower arrangement is based on	th	emes by using fruits, flower and foliage
	for collective mass effect.		
	(a) Artistic	(b)	Imaginary
	(c) Variety		All of above
15	. In western style of flower arrangement ger	nerally	height of flower is fixed times
	of flower vase.		
	(a) 2	(b)	1½
	(c) Equal	(d)	3
16.	. In western style of arrangement emphasis	is giv	en on colour so which of following is
	most appropriate.	5.	,
	(a) Mono	46)	Mixed
	(c) Shades of a colour	(d)	Any of above
17.	World association of flower arranger was e	establi	shed in
	(a) 1959	(b)	1989
	(c) 1971	(d)	1981
18.	Which of the following is not a principle of	interio	or decorations?
	(a) Harmony	(b)	Balance
	(c) Contrast	(D)	Line
19.	In addition to flowers, fruits and vegetables	are a	also used in floral arrangement
	(a) Moribana		Nageire
	(c) Jiyubana		Morimono
20.	Which of the following type of Ikebana res	emble	s English flower arrangement?
	(a) Morimono		Moribana
	(c) Jiyubana		Nagiere
NA.	The state of the s	100	Manual Paris Comment
	V-V	7	

EVEURIOR

A. Fill in the Blanks

- 1. Dr RR Pal is an important root stock of .. Bougain willed.
- 2. APP.Y. is a no pinch no stake cultivar of chrysanthemum
- 3. f.u.so... is a cultivar of coreopsis.

CULTIVARS OF ORNAMENTALS DEVELOPED IN INDIA

- 4. Manali is a cultivar of adding developed at IARI regional station, Katrain.
- 5. Mayur is a cultivar of Cladiodeveloped at IARI New Delhi.
- 6. Molinian aneuploid cultivar of rose developed at IARI is patented in USA.
- 7. Raktagandha a cultivar of rose for cut flowers is developed at .TARI
- 8. Swang is a cultivar of tuberose developed by mutation at NBRI.
- 9. pure is a cultivar of gladiolus resistant to Fusarium wilt.
- 10. Dr.... was first cultivar of rose developed in India by BK Roychowdhury. SD MUKHENTER.



Fills in the Blanks

Bougainvillea

4. Dahlia

- IARI New Delhi
- Dr SD Mukherjee
- 2. Appu
- 5. gladiolus
- Swarna Rekha
- Pusa Tara
- Mohini
- 9. Dhiraj

EXERCISE

(A) Multiple Choice Questions

1. Which of the following is not the element of landscaping?

(a) Form

(b) Texture

(c) Rhythm

(d) Colour

2. Which of the following is not the principle of landscaping?

(a) Simplicity

(b) Line

(c) Accent

(d) Balance

3.	Mass contained with in extremities of growt	h is	known as
			Form
	(c) Silhouette		None of these
4.	Design with definite use of plant to serve c as		
L	(a) Landscape (c) Garden	20.00	Landscaping All of above.
	The design and alternation of a portion of I reconstruction is known as		
	(a) Landscaping (c) Design	(d)	Gardening Floriculture
•	Representation of the structure of any surfactor Texture (c) Design	(b)	Canopy Floriculture
7.	The determination of a character of an object advance is called as	ect to	o serve certain purpose known in
	(a) Silhouette (c) Landscape	-	Design None of these
8.	Elements of outdoor room which are not es are known as	seni	ial, but make the place more usable
	(a) Accessories (c) Enrichment items	5 . 5	Luxuries All of above.
9.	Which of following is not a tangible enrichm		
		<u>(</u> b)	Sound of water fall Animal
10.	Which is the most interesting use of lighting (a) Silhouette (c) Walkway	(b)	garden? Shadow None of these
	Which of following is not common surfacing (a) Paving (c) Shrub	ma (b)	terial in the garden? Turf
	Which is not intangible enrichment item?		Ground cover
	(a) Fragrance (c) Sundial	(d)	Wind whistling Moving birds
13.	Which of the following is not an element of (a) Colour (c) Line	(b)	dscaping? Texture Rhythm
14.	An easy connected path along which the e point to another is known as	ye v	vill travel in any direction from one Balance
	(c) Pihythm	1000) Line

	15.	Rhythm in a garden is created through	(b) Progression of sizes
		(a) Repetition of shapes (c) Continuos line movement	(d) All of above
	16.	Which of following is an element of landso	caping?
		(a) Balance	(b) Habit
		(c) Proportion	(d) Focalization
	17.	Punjabi folk dance and beat of marshal m	nusic are common example of
		(a) Rhythm	(b) Mobility
		(c) Texture	(d) Habit
	18.	Most of conifers havecanopy shape.	
		(a) Columnar	(b) Ovoid
		(c) Wide oval	(d) Pyramidal
	19.	Which has fine texture foliage?	
		(a) Jacaranda	(b) Silver oak
		(c) Deodar	(d) All of these
	20.	Which has drooping growth habit?	
		(a) Salix babylonica	(b) Bottle brush
		(c) Pinus paptula	(d) All of these
¥	21.	Area of the home which is viewable from	the street is known as area.
•		(a) Public	(b) Front
		(c) Approach	(d) All of these
	22.	Part of home landscape which provides ro	oom for necessities is known as area.
		(a) Service	(b) Family
	,	(e) Approach	(d) All of above
	23.	Mobility in garden is created by use of	
		(a) different size	(b) evergreen trees.
		(o) deciduous trees	(d) evergreen shrubs
	24.	In home garden total area under lawn sho	ould not be more than%.
		(a) 70	(b) 30
		(c) 20	(d) 40
	25.	Shrubbery borders in home garden are ke	
		(a) 10-15	(b) 20-30
		(c) 15-20	(d) 30-40
	26.	Accent draws attention of human being thr	V
		(a) Colour	(b) Shape
			(d) All of these
	27.	Which of the following is not a part of text	
			(b) Large
		(c) Medium	(d) Coarse
		Selection of style of garden depends upon	
		(a) Topography	(b) Space
		(c) Location	(d) All of these

HOME LANDSCAPING

29. Trees in a garden are planted % area.

(a) 40-50

(b) 15-20

(c) 30-40

(d) 25-30

30. Children playing area is not common in area of the home garden.

(a) Family

(b) Service

(c) Private

(d) Public



Multiple Choice Questions

A. Multiple Choice Questions 1. What is the optimum bulk density of potting medium for growing house plants? (a) 0.5-0.75 g/cc (b) 1-1.5 g/cc (c) 0-0.5 g/cc (d) 2-3 g/cc 2. Evidence of plants grown indoor are available since BC. (a) 1000 (b) 3500 (c) 2000 (d) 3000 3. Who is the largest importer of house plants? (a) Italy (b) India (c) USA (d) Germany 4. Total area devoted for cultivation of indoor plants in our country is hectares. (a) 50 **√**(b) 150 (c) 100 (d) 500

5.	Non-capillary pore space in the potting methan per cent.	edia for houseplants should not be more
	(a) 5-10	(b) 15-20
`	(c) 10-15	(d) 20-30
_	Optimum water holding capacity of potting	
6.	(a) 20-30	(b) 70-80
	(a) 20-50 (c) 50-60	(d) 30-50
7.	Ferns grow successfully in potting medium	n having pH.
•••	(a) 2-3	(b) 4-6
	(c) 6-7	(d) 7-7.5
8.	Soluble salt in potting medium should be	ppm.
٠,	(a) 100-200	(b) More than 500
	(c) Less than 500	(d) Upto 1000
9.	Optimum C/N ratio in potting medium sho	
	(a) Low	(b) High
	(c) Medium	(d) Any one of the above
10.	Poor aeration in potting medium is caused	* fa
1.71	(a) Compactation	(b) Over watering
	(c) Inadequate pore space	(a) All of above
11.	Which of the following type of containers a	
	(a) Earthen	(b) Concrete
	(c) Plastic	(d) Copper
12.	For growing cacti, which type of pots, are	
	(a) Cement	(b) Concrete
	(c) Brass	(d) Plastic
13.	Cane baskets are suitable for growing	
1007 3	(a) Ferns	(b) Orchids
	(c) Succulents	(d) Begonias
14.	Which of the following is most suitable to	
L	(a) Aspidistra	(b) Acalypha
	(c) Hoya	(d) Marinate
15.	Plants suitable for growing in sunny areas	
	(a) 1-2	(b) More than 5
	(c) 2-3	(d) Upto 5
16.		
	(a) 1	ocation require hour direct light in winter.
	(c) 5	✓(б) Zero
17.		(d) 2-3
	(a) 5-10	mperature is most optimum for house plants.
	(c) 10-15	√ (0) 2-5
		(d) 0-2

19	Optimum temperature during day for house	e pla	nts should be°C
10.		. (b	20-30
	(a) 15-20) 0-2
	(c) 10-15		•
19.	Optimum soil temperature of potting media	um Si	10010 De
	(a) 10-15	, ,	20-25
	18-21 (مل		15-25
20.	Optimum relative humidity in room growing	g hou	se plants should be per cent
	(a) 30-40	40)	50-60
	(c) 70-80	(d)	100
21	When your whole family is going out for a	week	how plant requirement can met in the
	best way?		the frame of the first the
	(a) Spraying	45)	Grouping of plant
	(c) Use of pebble treys		Use of double pots.
22		, ,	4
22.	Application of fertilizer along with watering		Liquid fertilization
	(a) Fertilizer application		N 10 10 10 10 10 10 10 10 10 10 10 10 10
	(c) Fertigation		None of above
23.	Which is not commonly propagated by see		
	(a) Araucaria		Aralia
	(a) Dracaena	(d)	Palm
24.	In palm germination percentage after two	month	ns of seed harvesting is about
	(a) 50	(b)	80
,	(Jef 10	(d)	30
25.	Tip cutting having 1-2 nodes is very comm	on in	
	(a) Coleus		Aglaonema
	(c) Dracaina	, ,	All of above
26.	Leaf lamina cutting is very common in		
	(a) Rex begonia		Peperomia.
	(c) Ivy		Coleus
27.	Cane cutting is very common in	(-)	
	(a) Diefenbachia	(h)	Argunoria
	(c) Coleus		Araucaria Philodendron
28		(u)	Fillogenaron
20.	Air layering is not common in (a) Dracaena	71.1	
	(c) Begonia		Croton
~		(a)	Aglaonema
29.	Corts are commonly used to multiply		
	(a) Ivy	(b)	Araucaria
-	(c) Chlorophytum	(d)	Maranta
30.	Spores are used to propagate		
	(a) Mosses	465	Ferns
	(c) Asparagus	(d)	Bromeliads
31.	Optimum temperature for rooting in medium		
٠,	(a) 18-22	44	20-30
	(c) 30-35		15-20

32.	Bottom heating is very useful in propagation	n of	
	(a) Coleus		Araucaria
	(c) Bougainvillea	(d)	Rose
33.	For increasing rooting in cutting CO ₂ level	in gro	owth chamber should beppm.
	(a) 100		500
	(c) 1000	(d)	1500
34.	Which of following is most common rooting	horn	mone?
,	(a) IBA		NAA
	(c) IAA	(d)	GA
35.	In nursery where seed are sown which irri	gation	method is very useful?
,	(a) Subsurface irrigation		Mixing
	(c) Flooding	(d)	Through water can
36.	Saddle grafting is very common in		
	(a) Rose	40)	Rhododendron
	(c) Bougainvillea	(d)	Hydrangea
37.	Mound layering is common in		
	(a) Hydrangea	(b)	Cestrum
	(c) Agave	(d)	Cactus
38.	Patch budding is very common		
	(a) Jacaranda	Ub)	Red Gulmohar
	(c) Daphne	(d)	Rosewood
39.	Offsets are very common to propagate.		
	(a) Agave	(b)	Aloe
85	(c) Pandanus		All of these
40.	Division during repotting is practiced in		
	(a) Maranta	(b)	Calathea
	(c) Ferns	(d)	All of these



(A) Multiple Choice Questions	
Which of the following is not a wood (a) Tree (c) Annual	dy landscape plant? (b) Climber (d) Shrub
Which of the following landscape plate (a) Cacti (c) Palms	ants require acidic soils? (b) Succulents (d) Ferns
3. The plants which shed all their leave as	(b) Semi-deciduous (d) Any one of these
Which of the following does not affect (a) Distance (c) Density	
 Which of the following palm is not g Chamaedorea elegans Phoenix rupicola 	(b) Cocos plumose (d) Roystonea oleracea
Which of the following landscape plate (a) Succulents (c) Bamboos	ant is commercially grown through seeds? (b) Palms (d) Ferns

7.	Which of the following landscape plant is	comm	ercially grown through spores?
	(a) Annuals	(b)	Shrubs
	(c) Ferns	(d)	Cacti
8.	Which of the following lamdscape plant is	an orn	amental grass?
,	্রে Thyrsanolaena agrostis	(b)	Arundinaria auricoma
	(c) Arundinaria fortunei	(d)	Zamia furfuracea
9.	Which of the following landscape plant is	cycad'	?
	(a) Portulaca grandiflora	(b)	Caryota urens
	(c) Zamia furfuracea	(d)	Cortaderia selloana
10.	Which of the following landscape plant is	herbad	ceous perennial for hills?
	(a) Paeonies	465	Aquilegia hybrida
	(c) Arundinaria auricoma	1 5	Areca triandra
		7.5	

A)	Multiple (Choice Questions		
1.	Amherstia (a) Yellow	nobilis a flowering tr	(a)	owers. Red Violet
2.	(c) White Ailanthus	excelsa is native to	126	
	(a) China (c) Africa		, ,	India Iran
3.	Peltophore	um ferrugenium a flov		
	(a) Pink √g Yellow	1)		Red White
	Delonix re (a) Red (c) Gulmo		(b)	Yellow Gulmohar Any of above.
5.	` '	following is not conife		
	(a) Cupre (c) Thuja	ssus		Casuarina Abies
		during February-Apri		
•	(a) <i>Amhe</i> (c) Silver		1	Jacaranda Amaltas
		the following has bea	utiful fruits?	
•	Já) Kigellii (c) Ailantl		(d)	Bauhinia Delonix
8.		<i>ia paniculata</i> flower o	luring	
	(a) June-J (c) March	•		August-September November-December

Azadirachata indica belong to family		
(a) Meliaceae	(b)	Caselpiniaceae
(c) Sapindaceae		None of above
10. Which of following yield nectar.	, ,	
(a) Bottle brush	(b)	Neem
(c) Horse chestnut		All of Above
11. Which of following have drooping branches?		
(a) Salix babylonica	(b)	Bottle brush
		All of above
12. Which of following is suitable for planting ald	$\overline{}$	
(a) Bottle brush		Jacaranda
(c) Silver oak		All of above
13. Which of following has beautiful trunk?	(0)	All of above
(d) Chorisia	/b)	Araucaria
(c) Bauhinia		Acacia
The state of the s	(u)	Acacia
14. Which of following has fragrant flowers? (a) Devil's tree	/h\	Michelia
• • • • • • • • • • • • • • • • • • •		Michelia All of above
		All of above
15. Which of following trees have blotched bark?	100.00	Platanua
(a) Pride of India		Platanus All of above
		All of above
16. Which of following tree has bark with prickle		Damhau
(a) Erythrina		Bombax
(c) Chorisia	(0)	-All of above
17. Botanical name of coral tree is	<i>(</i> L)	F-46-4
(a) Erythrina indica		Erythrina suberosa
(c) Erythrina cristagalli	-	None of above.
18. Which of following should be planted in fron	t of	a multistory building?
্রে) Polyalthia longifolia		Sapium sebiferum
(c) Jacaranda mimosaefolia	(a)	Grewia optiva
19. A shade tree should have canopy.	:	
(a) Wild oval	, ,	Informal
(c) Globular	(d)	All of above.
20. Which of following trees have beautiful fall for	oliag	ge colour?
(a) Platanus orientalis	(b)	Sapium sebiferum
(c) Acer oblongum	SOL	All of above
21. Which of the following has ornamental trifid	red	capsules?
্ব) Koelreuteria		Jacaranda
(c) Bauhinia	(d)	Chorisia
22. Which of the following tree was associated	with	Sita in Ramayana?
্রতা Saraca indica	(b)	Polyalthia longifolia
(c) Salix babylonica		Cedrus deodara

23.	23. Which of the following flower during November?		
	(a) Bauhinia variegata		Bauhinia purpurea
	(c) Bauhinia vahli		None of above
24	Which of the following has white flowers'	2	
	(a) Dillenia indica		Bauhinia purpurea
`			
	(c) Tecomella undulata		Ceiba pentandra
25.	Which of the following is a good flowering		
	(a) Cedrus deodara	(b)	Rhododendron arboreum
	(c) Tecomella undulata	(d)	Ceiba pentandra
26.	Which of the following has coarse texture	e foliage	3 .
	(a) Kanak champa	v. 7	Jacaranda
	(c) Pine		Peepal
27.	Which of the following is grown for flower		Гоораг
	(a) Putranjiva roxburghii		B 4 W 1 1 B 2
	(a) Pelonix regia		Polyalthia longifolia
		(a)	Azadirachta indica
28.	Which has not white flowers?		
	(a) Magnolia	(b)	Plumeria
	(p) Lagerstroemia	(d)	Mimusops
29.	Which of following tree is grown for cut f	oliage.	1000 To 200
	(a) Podocarpus		Cupressus
	(c) Thuja		All of these
30.	In which of following flowers borne on lea	aflece h	ranches
	(a) Bombax ceiba		
	(c) Butea monosperma	(0)	Erythrina indica
31.	Trees are reportedly growing on costs for	⊸(u)	All of above
	Trees are reportedly growing on earth for (a) 10	r the las	st million years.
	(c) 50		100
		(d)	1
٠	For checking air pollution foliage should to		•••••
	(c) Glabrous	√(b)	Thick and shining
22		(4)	Dubaaaaa
33.	Which of following is suitable for alkaline	and sa	line soils?
,	GE, GEGERALIA EQUISEITORA	(b)	Pinus roxburghii
	(c) Salix babylonica	(4)	Grevillea robusta
34.	Which of following is suitable for acidic so	nile?	Crownea robusta
	(a) Erythrina indica		Const. W.
	(c) Azadirachta indica	. /-K	Cassia fistula
35.	Which of following Figus species is assure	- (4a)	Pinus wallichiana
	Which of following Ficus species is grown (a) infectoria	n for rel	igious purpose?
	(c) religiosa	(0)	retusa
		(d)	benjamina
30.	Which of following is quick growing tree?		
	(a) Eucalyptus hybrida	(b)	Ficus benjamina
	(c) Erythrina suberosa	(d)	Parkinsonia aculeata

37. Which of following Plumeria species has red flowers?

(a) acutifolia
(b) rubra
(c) alba
(d) obtusa

38. Which of following species of Terminalia has medicinal values?
(a) catappa
(b) combretum
(c) belerica
(d) arjuna

39. Flowers of which are used for making garlands?

(a) Mimusops elengi
(b) Polyalthia longifolia
(c) Jacaranda mimosaefolia
(d) Michelia champa

40. Places where stray animals pose problem, which of following should be planted?

(a) Cassia nodosa

(b) Cassia javanica

(c) Cassia marginata

(d) All of above



EXERCISE (A) Multiple Choice Questions 1. To distinguish from small trees, the large shrubs has maximum height fixed of m. (b) 4 (d) 10 2. A low growing woody or semi-woody perennial plant with little or no trunk having height Shrub (ط) (d) Herb 3. Which of the following have highly fragrant flowers? (b) Citrus japonica (d) All of above 4. Which of the following has mild odour in flowers and foliage? (b) Duranta repens (d) All of above 5. Which of the following is night blooming?

(b) Hamelia patens

(d) Acer palmatum

(c) 8

(a) Climber

(c) Tree

upto 4 m is known as

(a) Cestrum nocturnum

(a) Hamiltonia suaveolens

(c) Nyctanthes arbortristis

(c) Acalypha hispida

(a) Nerium oleander

(c) Daphne odora

Which of the following have beautiful from the following have beau	ruits?
(a) Duranta repens	(b) Solanum pseudocapsicum
(c) Nandina domestica	(d) All of above
7. Which of the following has violet colou	r foliage?
(a) Gynura aurantiaca	(b) Acalypha hispida
(c) Duranta repens	(d) Myrtus mediopictus
· · · · · · · · · · · · · · · · · · ·	(a) Wyrtas mediopictus
8. Which is variegated foliage shrub?	A 3 - 3 V 196
(a) Duranta repens	(b) Hydrangea macrophylla
(c) Ligustrum ovalifolium	(d) All of above
Which of the following has coppery folia	age?
(a) Hamelia patens	(b) Nerium oleander
Joy Euphorbia cotinifolius	(d) Euphorbia splendens
10. Which of the following has excellent aut	tumn colour foliage?
(a) Acer paimatum	(b) Codiaeum variegatum
(c) Kerria japonica	(d) None of above
11. Which flower colour shrubs are grown in	n night condens 0
(a) Red	6 6
(c) White	(b) Blue
	(d) Yellow
12. Which of the following has bicolored foli	age?
(c) Gynura	(b) Nandina
	(d) All of above
 Which of the following has beautiful brace Bougainvillea 	cts?
(c) Poinsettia	(b) Mussaenda
	7 Ib
 Area of garden devoted exclusively to st (a) Border 	nrubs is known as
(c) Hedge	(b) Shrubbery
	(d) None of above
15. Shrubbery is planted	t y tone of above
(a) Under tree	(b) In front of tree
(c) In south west direction	(d) At a rejective
 In double faced shrubbery tall shrubs are (a) Corner 	(d) At a raised structure
(a) Corner	planted in
(c) Near wall	Centre
17. Shrubs when planted at regular internal t(a) Edge(c) Hedge	(d) Any of above
(a) Edge	to form a thick screen is known as
	· · · · · · · · · · · · · · · · · · ·
 For making good hedge any shrub should (a) Dense branching 	(d) All of above
(a) Dense branching	d have
(c) Tolerant to repeated trimming	(b) Quick growth
9 Low growing shrubs be	All of Above
Low growing shrubs having same qualities controlling traffic is known as	es as hedge and start and
controlling traine is known as	planted for the purpose

(c) Shrubbery	(b) Topiary
	(d) None of these
For rockeries shrubs should be (a) Moisture loving	
(c) Deciduous	(b) Drought loving (d) Any of above
21. Which of the following is good tall protect	
(a) Popular ciliata	(b) Cuphea milvillea
(c) Acacia farnesiana	(d) All of above
22. Which of the following is not good dwarf	A 1 4
(a) Agave americana	لط) Jasminum humile
(c) Euphorbia tetragona	(d) All of above
23. Which is planted as tall ornamental hedge	
(a) Polyalthia longifolia	(b) Putranjiva roxburghii
(c) Thuja orientalis	(d) All of above
24. Which of following is dwarf ornamental he	edge upto 1 m. height?
(a) Acalypha hispida	(b) Clerodendron inerme
(c) Euonymus japonicus	(d) All of above
25. Formal edging is made with which one of	the following?
(a) Tiles	(b) Bricks
(c) Stones	(d)-All of above
26. Informal edging is made from	8 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2
(a) Stones	(b) Plants
(c) Concrete	(d) All of above
27. Which of the following is suitable for making	ng edge?
(a) Cuphea hyssopifolia	(b) Cotoneaster sandakphensis
(c) Pilea muscosa	(d) All of above
28. Art of training plants into shapes of different	ent statues, birds or animals is known as
(a) Edge	(b) Hedge
(c) Topiary	(d) None of above
29. For making topiary plants should be	* * · · · · · · · · · · · · · · · · · ·
(a) Quick growing	(b) Dense branching
(c) Small foliage	(d) All of above
30. Which of the following is used for making	
(a) Thuja orientalis	(b) Cupressus torulosa
(c) Clerodendron inerme	(d) All of above
31. Which of following is good for shady areas	
(a) Polyscias	(b) Croton
(c) Eranthemum	(d) All of above
32. Which of following is popular pot plant in in	
(a) Ixora	(b) Poinsettia
(c) Crossandra	(d) Hibiscus
	_/ · · · · · · · · · · · · · · · · · · ·

33. Which of following shrub is grown as i	
(a) Euonymus	(b) Acalypha
(c) Beloperone	(d) None of above
34. Which is grown for cut greens?	/b) Dt:#
(a) Breynia nivosa	(b) Bongainvillea
(c) Lantana depressa	(d) Vinca rosea
35. Which of following has red flowers?	
(a) Punica grantum	(b) Lagerstroemia indica
(c) Acucuba japonica	(d) All of above
Which of the following is not a member	
(a) Euphorbia splendens	(b) Acalypha hispida
(c) Opuntia leptocaulis	(d) None of above
37. Which of following has dark green bran	nches and red flowers?
(a) Hibiscus rosasinensis	(b) Malvabiscus ardoreus
(a) Russelia juncea	그 가는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
- · · · · · · · · · · · · · · · · · · ·	(d) All of these
38. Which of following is not a member of	Malvaceae?
(a) Hibiscus syriacus	(b) Malvabiscus arboreus
(c) Dombeya spectabilis	(d) All of above
39. Which of following is native to India?	S 5
(a) Russelia juncea	(b) Hibiscus mutabilis
(c) Cassia glauca	
and the second of the second o	, ,
40. Which of following flower through out t	he year?
Vinca rosea	(b) Euphorbia pulcherrima
(c) Cassia glauca	(d) All of above
41. Which of following has black fruits	
(a) Pentas lanceolata	্রাচ্চ Ochna jabotapita
(c) Nerium oleander	(d) Punica granatum
42. Which of following is suitable for acidic	(a) / anica granatum
Ja) Azalea mollis	
(c) Cassia alata	(b) Dombeya spectabilis
	(d) Excoecaria bicolor
43. Hydrangea macrophylla produces blue	flowers in which soil
(a) Iveulial	(б) Acidic
(c) Alkaline	(d) All of above
 Hydrangea macrophylla produces pink/ Acidic 	rod flowers to
(a) Acidic	red flowers in soils
(c) Alkaline	(b) Neutral
	(d) All of above
45. Which is not a cool season flowering s	strrub?
(a) Barleria cristata	(b) Plumbago rosea
(c) Cassia alata	(d) All of above
46. Which of following has not yellow flower	ers?
(a) Bauhinia tomentosa	
(c) Ochna squarrosa	(d) Pentas lanceolata
(C) Ourna aquamou	(d) Galphimia gracilis

	aeum vanegatum perform very well a	at	••
	Shimla	(b)	Shillong
Jer	Bangalore	(d)	Ooty
48. Virbi	urnum cotinifolius has leaves		
	Shining	L(b)	Leathery
1-7	Glaucous		Feather like
49. Bota	inical name of China shoe flower is .		
, ,	Hibiscus mutabilis	(b)	Hibiscus syriacus
Je) 1	Hibiscus rosasinensis	(d)	Malvabiscus arboreus
50. Din I	ka raja is a local name of		
uta)	Cestrum diurnum	(b)	Cestrum parqui
(c) (Cestrum nocturnum	(d)	None of above
	KE	Y	_

			-
(A)	Multiple Choice Questions		
1	Which of following is used as climber, shru	b or	pot plant?
	(a) Silver oak	(b)	Bougainvillea
	(c) Beloperone	(d)	Begonia
2.	Bougainvillea climb by means of		
	(a) Tendrils	Yb)	Hooks
	(c) Petiole	(d)	None of above
3.	Which of following climb by means of tende	rils?	
	(a) Jasminum grandiflorum	(b)	Ficus repens
	(c) Ipomoea sp.	(d)	Antigonon leptopus
4.	Which of following climb by means of tende	rils?	
	(a) Antigonon leptopus	(b)	Pyrostegia venusta
	(c) Bignonia unguiscati	(a)	All of above
5.	Which of following is not a twinner?		
,	(a) Quisqualis indica	(b)	Lonicera japonica
	(c) Hiptage madoblota	(d)	Ipomoea purpurea
6.	Which of following is a rambler?		
	(a) Pyrostegia venusta	(b)	Tecoma grandiflora
L	(c) Quisqualis indica	(d)	Jasminum grandiflora
7.	Which of following Tecoma species is not a	a clim	ber?
	(a) grandiflora	J(b)	stans
	(c) capensis	(d)	jasminoides
8.	Which of following species of Jasminum is	not a	climber?
	(a) grandiflorum	(b)	dispermum
	(c)_humile	(d)	officinale
9.	Which of following has coarse texture foliage	je?	
	(a) Tecoma grandiflora	(b)	Pyrostegia venusta
10	(c) Quisqualis indica	(d)	√Thunbergia grandiflora
10.	Which of following climber is commonly use	ed as	hedge?
'	Clerodendron splendens	(b)	Clitoria ternata
	(c) Clematis paniculata	(d)	Ipomoea sp.
11.	Which of following grow well in shade?		
1	" "ACTIBIOSDERMUM JASMINOIDES	(b)	
	(c) Tecoma jasminoides	(d)	Wisteria sinensis

12.	Which of following is foliage climber? (a) Monstera deliciosa		Hedera helix
	(c) Scindapsus aureus	40)	All of these
13.	Which of following has fragrant flowers?	//->	
	(a) Lonicera japonica		Tecoma grandiflora
	(c) Jasminum dispermum		All of above
14.	Which of following is not a member of fami		
	(a) Pyrostegia venusta		Tecoma grandiflora
	(c) Bignonia unguiscati	$\overline{}$	Begonia sempervirens
15.	Hiptage benghalensis belongs to family (a) Hiptageaceae		Maliniahiaaaa
	(c) Saxifragaceae	2.5	Malipighiaceae Moraceae
16	Which of following has beautiful fruits?	(4)	Moraceae
	(a) Pyrostegia venusta	/b\	Tooma insminaldes
	(c) Smilax aspera		Tecoma jasminoides Lonicera japonica
17.	Which of following has watch-shaped flower		Lorncera japonica
	(a) Passiflora caerulea		Aristolochia elegans
	(c) Ipomoea purpurea		Petrea volubilis
18.	Which of following has duck-shaped flowers		Tonou Tolobins
	Aristolochia elegans		Bignonia unguiscati
	(c) Bauhinia vahlii		Beaumontia grandifiora
19.	Which of following has orange coloured flow	wers?	grandinora
	(6) [Pyrostegia venusta
	(c) Bauninia vahlii	(d)	Beaumontia grandiflora
20.	Which of following does not belong to genu	ıs Ja	sminum?
	(a) Italian Jasmine		Arabian Jasmine
	Joy Star Jasmine		Spanish Jasmine
21.	Which of following has white flowers?	32	
	(a) Clematis paniculata	(b)	Jasminum grandiflorum
-	(c) Beaumontia grandiflora	401	All of above
22.	Which of following climber is native to India	a?	
,	(c) Clematic popieral to make	(b)	Bignonia unguiscati
22	(c) Clematis paniculata	(d)	Laniagra ignopies
20.	Which of following climber has variegated f	oliage	9?
	(c) Porana paniculata	(6)	Hedera helix
24		(d)	None of above
	Which of following is most suitable for hilly (a) Vernonia elagnaefolia		
	Wisteria sinensis		Clerodendron splendens
		(d)	Antigonon leptopus
20.	Which of following is used for screening water (a) Pyrostegia venusta		4 € 1000 at 50
	(c) Ficus repens	(p)	Lonicera japonica
	Jan 1000 reports	(a)	All of above

26. Which of following is trained over trellis? (a) Hiptage benghalensis (b) Ipomoea cairica (c) Ficus repens (d) Wisteria sinensis
27. Which of following <i>Ipomoea</i> species is known as Railway Creeper? (a) bonanox (b) purpurea (c) tuberosa (d) alba
28. Which of following is/are heavy climber? (a) Bauhinia vahlii (b) Wisteria sinensis (c) Quisqualis indica (d) All of above
29. Which of following has shining foliage? (a) Tecoma jasminoides (b) Thunbergia grandiflora (c) Lonicera japonica (d) None of above
30. Which of following does not belong to family Liguminosae? (a) Derris scandens (b) Wisteria sinensis (c) Clematis paniculata (d) Comoensia maxima
31. Which of following is classified as light climber? (a) Solanum wendlandii (b) Cobaea scandens (c) Petrea volubilis (d) Thunbergia grandiflora
32. Which of following is cool season climber? (a) Derris scandens (b) Quisqualis indica (c) Pyrostegia venusta (d) Tecoma grandiflora
33. Which of following is deciduous climber? (a) Ficus repens (c) Hedera helix (d) Bignonia ternata
34. Which of following has blue flower? (a) Clitoria ternata (b) Ipomoea violacea (c) Wisteria sinensis (d) All of above
35. Which of following Bignonia species is known as cat's claw? (a) purpurea (b) graclis (d) speciosa
36. Which of following climber is suitable for pot? (a) Golden shower (b) Cat's claw (c) Passion flower (d) Bougainvillea
37. Duck flower a climber is native to (b) Brazil (c) India (d) Japan
(a) Clitoria ternata (b) Ficus repens (c) Clematis paniculata (d) None of above
39. Which of following is suitable for porches? (a) Pyrostegia venusta (c) Clerodendron splendens (b) Ipomoea horsfalliae (d) All of above

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40.	Which of following Solanun	species	is known as	potato creeper?
	(a) wendlandii		467	seaforthianum
	(c) jasminoides		(d)	tuberosum

' レ	(a) Jhumka	·	Lalita
	(c) Ratnam		All of above
2 _{\\}	Plants which complete their life cycle with (a) Annual (c) Perennial	(b)	e year are known as Biennial None of above
3.	Rainy season annuals are sown in nursery (a) April (c) August	S	ng June February
4.	Which of following is foliage annual?		ï
	(a) Aster	(b)	Salvia
_	(c) Kechia	1. *	Cosmos
5.	Which is not grown during summer season	1?	
	(a) Kochia	(b)	Portulaca
	(c) Gaillardia	(d)	Pansy

			A GIA
6.	Which of following is intermediate day flow	wering (b	g annual.) Petunia
	(c) Salvia - That doug	(d	Petunia Shoty day
7.	Which is not a short day annual?		
	(a) Cosmos	4	Carnation of Antiochima (Com)
	(c) Salvia	(d) Amaranthus
R	Which of following is long day annual?		
0.	(a) Antirrhinum	(b) Rudbeckia
	(c) Petunia	1.7	All of above
_			,
9.	Which is a day neutral plant?	/6	Dudhadia Naide
	(a) Gomphrena	(0) Rudbeckia → Long day
	(c) Chrysanthemum - Start day	(0	Campanula -shortinghey
10.	Which is the hardiest annual?		
	(a) Digitalis - Maddy	(b)	Stock - sometary
	(c) Antirrhinum	(ď)) Aster
11.	Which is most tender annual and can not	be g	rown in open in high hills?
	(a) Stock		Pansy + Fendy =
	(c) Rudbeckia > Hordy		Statice
12.	Seeds of which of following can germinate	in d	ark
	(a) Echium + light	(h)	Lobelia - Light
~	(c) Nicotiana		None of above
13.	Seeds of which require stratification and se		
	(a) Sweet pea		Nigella
	(c) Clianthus		Marigold
14.	Direct seed sowing is not economical in w	hiob.	of following
,	(a) Balsam		
	(c) Petunia		Sweet pea Hollyhock
15.	Seeds of which of following germinate only	رت) امادان	
	(a) Zinnia	44.0	
	(a) Migella		Marigold
16.	Plant form in Kochia is	(u)	Aster
<u></u>	(a) Informal	"	
	(c) Globular	(d)	Columnar
17		(a)	Conical
• • • • • • • • • • • • • • • • • • • •	Which of following is not a primary colour? (a) Red		alle to
	(c) Blue	(b)	Yellow
10	,	人(d)	Green
.0.	Which of following is softer or cooler colou (a) Green		
	(c) Blue		Orange
10		(d)	Violet
19.	Which of following is basic colour?		
	(a) Orange		Red
	(c) Grey	(d)	White

32. Monogenic recessive male sterility is common in

(a) Marigold (c) Calceolaria (b) Zinnia stalina

(d) All of above

33. H	eterostily is a common feature in	01.25	GLAN
	a) Petunia	2.) Primula
	c) Gerbera) Ageratum
	ytoplasmic male sterility is found in		, rigoratani
	a) Antirrhinum	/b	Potunia . Di wer
	c) Salvia	(4) Petunia
0.27			• • • • • • • • • • • • • • • • • • • •
	Vhich of following is not self-pollinated flo a) Lupine	/L	C
91	c) Saponaria	(D)) Sweet pea) Larkspur → offencen following
		(u	Larkspur 3 error
1	Which is not cross-pollinated annual?	200	La production and
	a) Kochia c) Clianthus +xeff followated	12	Cosmos
100	· ·		Rudbeckia
37.)	Which of following is not often cross-polling	ated	annual?
	a) Antirrhinum		Linaria
			Ageratum→
38.	solation distance for maintaining pure see	d of o	often cross-pollinated annual is
Α,	۵, ۵	(b)	25-30
	c) 50-100		400-600
39. 1	he mechanism which promotes self-polling	ation	is
	Chasmogamy Dielimo	(b)	Dichogamy
	c) Dicliny	(d)	Heterostily
40. V	When cross-pollination took place through	wind	is known as
4	a) Ariemophily		Hydrophily
	c) Entomophily	(d)	All of above
41. (Open pollinated formulae mixtures are ver	у рор	ular in
	a) Biennials c) Perennials	70.00	Annuals
		(d)	All of above
72.	-2 seeds are common in		
	(c) Petunia		Antirrhinum
		(d)	All of above
(Hybrid seed production at lowest cost can (a) Self-incompatibility	be d	one by using
\sim	(c) Triploidy		Pollen sterility
	Nugget is a hybrid cultivar of	(d)	Somatic embryogenesis
V	(a) Zinnia	" "	
	(c) Antirrhinum		Marigold
		(a)	Petunia
e	Which of following country is not commer export?	cially	producing hybrid seed in annuals to
(6	a) the Netherlands	(b)	Iran
(0	c) USA		India

46.	Who has given the classical theory of (a) 8hull		gour in 1911? Robinson
	(c) Allard	3.00	None of above
47.	First F, hybrid in Begonia was releas (a) 1911 (c) 1945	-(15)	ry Seed Co. in Germany during 1909 1965
48.	First F-1 hybrid in petunia was devel (a) 1965 (c) 1935	_(b)	oan during 1945 1970
49.	Marigold has originated in	(b)	Mexico South Africa
50.	(a) Gomphrena (c) Zinnia	(b)	Lady's lace Balsam

B. r	ρ
1.	
2.	is most ideal soil for growing annuals.
3	Rainy season annuals are sown during
4.	Petunia has over Anthered per gram.
5.	Sandhram is day neutral annual.
6.	metion is long day annual.
7.	Anthelia is hardy annual.
8.	is used commonly to disinfect nursery beds.
9.	In herbaceous border annuals to be grown must in flowering.
10.	
11.	Drooping and compact growing annuals are good for growing in
12.	is good for growing in shade.
14.	fundit is an annual climber.
	Anter is good for air drying.

Fills in the Blanks

- 1. Annuals
- 4. 10000
- 7. Digitalis
- 10. Red
- 13. Amaranthus

- 2. Sandy-loam
- 5. Gompherina
- 8. Formalin
- Hanging baskets
- 14. Sweet pea

- 3. May-June
- 6. Antirrhinum
- 9. Synchronize
- 12. Salvia
- 15. Paper flower

EVELOPE:

A. Multiple Choice Questions

 Gladiolus is propagated by 		
(a) Corm	(b)	Bulb
(c) Rhizome	(d)	Tuber
2. Bulbil is a common feature in	37 5	
(a) Tiger lily	(b)	Tulip
(c) Dahlia	` '	Day lily

· · · · · · · · · · · · · · · · · · ·	
3. Cormel is a swollen end of	
(a) Primary root	(b) Fibrous root
(c) Stolon	(d) Axillary bud
4. Shobha is a mutant cultivar of dev	eloped at IIHR, Bangalore.
(a) Tulip (c) Hibiscus	(b) Narcissus
5. Dahlia is propagated by	(d)—Gladiolus
5. Dania is propagated by	\/bYTubassa
(c) Rhizome	(d) Root
6. Swami Vinayananda of R. K. Math has don	5.75/ 1.60
(a) Dahlia	(b) Gladiolus
(c) Rose	(d) Marigold
7. Dahlia was first introduced by Agri-Horticulti	· .
	(b) 1857
(c) 1982	(d) 1905
8. The late cutting method of dahlia propagation	on was developed in at Calcutta.
(a) 1935	(b) 1857
(c)- 1960	(d) 1981
9. Non-tunicate bulbs are common in	
(a) Tulip	(b) Narcissus
(c) Nerine	(d) Lilium
10. Scooping is very common practice of propa	
(a) Hyacinth	(b) Rose
(c) Lifium	(d) Crocus
11. Among bulbous plants maximum area is un	der which flower
(a) Tonp	(b) Gladiolus
(c) Lilium	(d) Crocus
12. Which country is largest exporter of bulbous	s flowers?
(a) Netherlands	(b) Israel
(c) USA	(d) Spain
13. Demand of bulbous flowers is in	45 THZ
(a) USA	(b) UK
(c) Canada	(d) None of above
14. Most of bulbous flowers are native to	
(a) South Africa	(b) Mediterranian
(c) USA	(d) All of above
15. In which ornamental bulbous plants flowering	g is followed by vegetative growing
(a) Football lily	(b) Gladiolus (d) None of above
(c) Tulip	
Aerial bulblets formed in the axil of leaves a	re known as
i i i i i i i i i i i i i i i i i i i	(b) Bulbils (d) None of these
(c) Cormlets	(a) Notice of those

47 Cooring is very common in which of built	ous plant.
17. Scoring is very common in which of built	(b) Tulip
(a) Gladiolus	(d) Begonia
(c) Lilium	
18. Which is not propagated by tubers?	(b) Caladium
(a) Anemone	(b) Caladium
(c) Gloriosa	(d)- Iris
19. Which is not propagated by rhizome?	
(a) Lilium	(b) Hydechium
(c) Canna	(d) Iris
20. Spring flowering bulbous plants are plant	ed during
	(b) January
(a) August	(d) March
(c) November	
21. Which of following is planted at maximum	
(a) Gladiolus	(b) Lilium
Tulip	(d) Tuberose
22. Which is a spring flowering bulbous plant	?
(a) Allium	(b) Cobaea
(c) Lycoris	(d) Clivia
23. Which is most sensitive to temperature?	100 00 00000
(a) Clivia	(b) Gladiolus
(c) Crocus	1.2. 40. 0
24. Which of following cultivar of gladiolus is (a) Manhar	not developed at IARI?
	# t = t
	(b) Dhanvantri
(c) Mayur	(d) Suchitra
(c) Mayur 25. Which of following cultivar of gladiolus is	(d) Suchitra
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar	(d) Suchitra
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose?
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna
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 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tubi (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey 29. Which of following is a symbol of solf asterior	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem?
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem? (b) Stock
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey 29. Which of following is a symbol of self-ester (a) Narcissus (b) Irish	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem?
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tubes (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey 29. Which of following is a symbol of self-esternament (a) Narcissus (b) Irish 30. Which is a symbol of purity? 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem? (b) Stock
(c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tube (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey 29. Which of following is a symbol of self-ester (a) Narcissus (b) Irish	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem? (b) Stock
 (c) Mayur 25. Which of following cultivar of gladiolus is (a) Sagar (c) Dhiraj 26. Which of following is not a cultivar of Tubes (a) Shringar (c) Rajat Rekha 27. National flower of Netherlands is (a) Tiger lily (c) Daffodil 28. Lily is national flower of (a) Italy (c) Turkey 29. Which of following is a symbol of self-esternament (a) Narcissus (b) Irish 30. Which is a symbol of purity? 	(d) Suchitra resistant to Fusarium wilt? (b) Sapna (d) Apsara erose? (b) Suvashini (d) Swarna (b) Tulip (d) Crocus (b) Iraq (d) South Africa eem? (b) Stock (d) Carnation

31. Bulbils are not formed in which species of	of <i>Lilium</i> .?
7-1 DODINUM	(b) bulbiferum
t-> -langifioruff	(d) wallichianum
32. Diploid chromosome no. of gladiolus is	
32. (a) 20	(b) 30
(c) 60	(d) 12
33. Which of following is the major inhibitor in cormels in gladiolus?	n controlling germination of corms and
(a) ABA	(b) Auxins
(c) TIBA	(d) Cycocel
34. Fluorine injury is very common in	(=) = (=)
Gladiolus	(b) Rose
(a) Iris	(d) Tulip
(c) Iris	2 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1
35. Negative geotropism a disorder in gladiol	
(a) Harvesting	(b) Packing
(c) Transporting	(d) Selling
36. Which of following fungus is not common	in gladiolus cultivation?
(a) Fusarium	(b) Botrytis
Curvularia	(d) Phizoctonia
37. Storage corm rot in gladiolus is caused b	by .
(a) Fusarium	(b) Rhizoctonia
(c) Penicillium	(d) All of the above -
38. First hybrid in gladiolus was , deve	loped in 1841.
(a) G x gandavensis	(b) G. x psittacinus
(c) G. oppositiflorus	(d) None of above
39. Ornithogalum thyrsoides is a plan	
(a) Annual	(b) Shrub
(c) Bulbous	(d) Foliage
	101
40. Lt. Governor of Himachal Pradesh Shri Badeveloped 160 cultivars of	
(a) Rose	(b) Gladiolus
Dahlia	(d) Chrysanthemum
41. In which group of plants warm-cool-warm	thermo-periodic cycle is most common?
(a) Annuls	(b) Woody
Let Bulbous	(d) Ferns
42. In forcing bulbs, which of the following are	e included?
(a) production	o monado.
(b) Production-Programming-Production-M	larketing
(c) Programming-Production-Marketing	arrowing
(d) None of above	
43. Tulin hulbs should	
43. Tulip bulbs should be given cold treatmen	t at which stage?
(c) L	√(D) G
	(d) None of above

56. Which is not native to India?

(a) Crinum

(c) Colchicum

(b) Gloriosa

(d) Begonia

57. Which of following (a) Begonia	g belongs t	o family As	steraceae?	ahlia			
Tuberose	20 2		(d) C	eropegia			
58. Bulbs of which of	following a	re not eve	rgreen?				
(a) Clivia			1 4	niphofia			
(c) Freesia	-14 1		(d) D	lietes			
59. Which is not a de	eciauous bu	ilbous plan		-220			
(a) Crocus (c) Pillansia			(b) T				
60. Which of the follo	wina is hia	hly fragran		Vatsonia			
60. Which of the folio	wing is ring	iny nagran	(b) D				
(c) Crocus			(d) In				
B. Fill in the Blanks				Q.			
- T. 1867							
1 is the la							
2. Total area in the	world under	bulbous p	lants is abo	outh	a.		
3. Total area in India	a under bult	oous plants	is about	ha.			
4 is the I	eading bulb	ous flower	in India.				
5. Maximum trade in	bulbous pi	ants is dor	ne in	flower.			
6. Himachal Pradesh							
7 is a pro						obtain	
higher bulb yield i			ne nonei b	uu wiiiiii tu	inp builds to	ODiani	
en management of the second of			n get quality	cut flowers	s or not pla	nts.	
 The basic objective of bulbis to get quality cut flowers or pot plants. Pre-cooling of tulip bulbs is done at 7-9°C for aboutweeks. 							
			C IOI abou	we	cho.		
10. Incas lily belongs	to Jarrilly	····					
A. Multiple Choice Qu	estions	K	ΕY				
	3. (c)	4. (d)	5. (b)	6. (a)	7. (b)	8. (c)	
1. (a) 2. (a) 9. (d) 10. (a)	11. (b)	12. (a)	13. (a)	14. (d)	15. (a)	16. (b)	
17. (a) 18. (d)	19. (a)	20. (c)	21. (b)	22. (a)	23. (d)	24. (a)	
25. (c) 26. (d)	27. (b)	28. (a)	29. (a)	30. (c)	31. (c)	32. (b)	•
33. (a) 34. (a)	35. (c)	36. (d)	37. (d)	38. (a)	39. (c)	40. (b)	
41. (c) 42. (b)	43. (b)	44. (c)	45. (b)	46. (a)	47. (d)	48. (a)	
	51. (c)	52. (d)	53. (d)	54. (d)	55. (d)	56. (c)	
			55. (a)	O.1. (a)			
	59. (c)	60 . (a)					
B. Fills in the Blanks		0.000 %-		3. 350	∩ ha		
the Netherlands Gladielus		0,000 ha		6. Bulb			
 Gladiolus Blind stoken 	5. Ti	*		9. Six			
10. Alstroemeriaceae	8. F	orcing		J. OIA			
изи обтыпасвав							

Choice Questions	
A. Multiple Choice Questions	Doroint-
1. Ground cover of perential grass which	persists under continuous mowing is called as
(a) Turf (b) Lawn which of following site is appropriate for	(b) Paving (d) All of above
(a) South (c) South-west	(d) All of above
3. Perfect grading for proper drainage is . (a) 1m slope in 100 m (c) 15 cm slope in 20 m	(d) None of above
4. Most appropriate method of preparing (a) Seed (c) Dibbling	(b) Plastering (d) Sprinkling
5. In one mowing how much grass showe (a) 1/2 (c) 2/3	(b) 1/4 (d) 1/3
6. Rolling of lawn is done to (a) Touch nodes with ground (c) Leveling of ground	(b) Break grass (d) All of above
7. Which of following is effective herbicide(a) 2,4-D(c) Glyphosate	in Zoysia Grass? (b) Sylvex (d) All of above
8. Fairy ring spot of lawn is due to (a) Fungus (c) Bacteria	(b) Nutrient deficiency (d) Insect
9. Which of the following lawn grass has of (a) St. Augustine (c) Cynodon	coarse texture? (b) Zoysia (d) Agrostis
(a) Bermuda (c) Carpet	(b) Kentucky blue (d) Red fescue

060 e	WWW. C. C. Co. S			
	Which is highly drought resistant?	(h)	Devet 11	
	(a) Tall fescue (c) Centipede		Rough blue	
10		(4)	Carpet	
12.	Which is highly cold tolerant. (a) Rough blue	(b)	7	
	(c) Creeping bent		Zoysia	
12	Which is least heat tolerant?	(la)	-All of these	
	(a) Rough blue	/ L\	0	
	(c) Bahia		Carpet	
14	Which is highly sawnity tolerant?	(u)	Zoysia	
-	(a) Creeping bent	/L\	-	
	(c) Rough blue		Red top	
15.	Which is maximum bear tolerant?	(d)	Carpet ·	
	(a) Centipede			
	(c) Carpet		Creeping bent	
16.		10)	Tall fescue	
	Which of following has sod forming through (a) St. Augustine			
	(c) Rough blue	(a)	Creeping bent	
17.	Which of following has fine texture?	(0)	-All of above	
	(d) Creeping bent	161	5	
	(c) Centipede		Red top	
18.	Which has medium texture?	(u)	Bahia	
	-(a) Red top	(b)	D	
	(c) Centipede	1-11	Perennial rye	
19.	Which of following has fastest establishing r	(u)	All of above	
•	7		Kontuelanti	
	(c) Colonial bent	/	Kentucky blue Manilla grass	
20.	Which of following has medium establishment	nt rat	to?	
	i j j j j j j j j j j j j j j j j j j j		Red fescue	
	(c) Bahia		All of these	
3. F	ill in the Blanks	•	or triese	
1.	Lawn mower is invented by			
2.	Prototype of lawn during 10th			
3.	Prototype of lawn during 13th century are av grass does not require mowing.	ailab	le from	
5.	· ···· is very good lawn grass for hills.			
6	aspect of the building is good for making lawn in home garden.			
7	seeds are sown for making quick artificial lawn.			
	of your fieldicine for wood	10.70		
ð.	Lawn should be irrigated up to cm d	lonth	Loysia grass.	

B. Fills in the Blanks

1. Edwin Budding

4. Agrostis

7. Benefin

2. Egypt/China

5. South-east/west

8. 15

3. Zoysia

6. Wheat/Barley

Δ	Multiple	Choice	Quest	ions
n.	MUIUDIE	CHOICE	C L L C S I	

1.	Which of the following water garden plant v	vas i	most common in Budhist to-
	(a) Lotus	(b)	Nymphaea Nymphaea
_	(c) Victoria	(d)	Eurale
2.	In which garden Lord Budha saw the lotus?	?	
	(a) Parmodyan		Udyan
	(o) Nandanvana	(d)	N 177 .
	Which of the following is associated with lot	• •	
	(a) Vishnu	60.0	Brahma
	(c) Luxmi		All of these
	Which of the following is a lily pool?	U,	
	(a) Kaccha pool	(b)	Concrete pool
			All of these
	Which of the following is most serious week	, ,	
,	(a) Blanket weed		Water hyacinth
	(c) Water cress		Alocacia
6.	Which of the following is not a surface flower	erina	aquatics?
	(a) Eurale		Lotus
,	(o) Elodea		Nymphaea
7.	Which of the following is most common oxy		
,	(a) Elodea		Crow foot
	(c) Victoria	(d)	Typha
8.	Which of the following is not a floating plant	in v	water gardens?
	(a) Azolla		Lemna
	(c) Trapa	(d)	Tape grass
9.	Which of the following is not a marginal plan	nt in	water gardens?
	(a) Acorus		Victoria
	(c) Calla		Typha
10.	The flower head of which of the following is	use	d in dry flower arrangements?
	(a) Typha	1922	Calla
	(c) Lotus	(d)	Acorus
	KEY	ı	
	ple Choice Questions		
	SIS SIISIUU WUGAHUHA		

8. (d) 2. (c) 10. (a) 3. (d) 1. (a) 5. (a) 6. (c) 7. (a) 4. (d)

9. (b)

EXERCISE

A. Multiple Choice Questions

1. Where is the Head Quarter of PPV&FR Authority in India situated?

Jay New Delhi

(b) Kolkata

(c) Mumbai

(d) Bangalore

2. Who is the founder chairperson of PPV&FR Authority in India?

(a) Dr VL Chopra

(b) Dr RB Singh

Dr S Nagarajan

(d) Dr Vishnu Swarup

Which of following ornamental crop has	337
(a) Gladiolus	been included for DUS testing under PPV&FR
(c) Jasmine	(b) Marigold
4. How many ornamental crops have be	(b) Marigold (d) Rose en included for DUS testing under PPV&FR in
. 413	included for DUS testing under DRIVE
(0)	נוטו ה
Where is the Head Quarter of UPOV s	(d) 11 Situated?
(c) Geneva	(b) Washing
Where is the Head Quarter of a	(d) Mexico
6. Where is the Head Quarter of CIOPO	RA situated?
(c) London	(b) Geneva
7. Where is the Head Quarter of CPVO	(d) Angers
Ja) Angers	situated?
(c) New Delhi	(b) Brussels
Where is the Head Quarter of NRDC (a) Mumbai	(d) Tokyo
(c) Dhaka	(d) New Delhi
How many countries are signatory to (a) 25	(d) Katmandu
(a) 25 (c) 68	
	(b) 50 (d) 88
Which of the following country is not (a) USA	the signatory to UPOV2
(c) China	(p) UK
1. How many ornamental areas	(d) India
1. How many ornamental crops have be	een included for DUS testing by UPOV2
(c) 90	(5) 70
2. Which of the following institute has	(d) 114
 Which of the following institute has p (a) IARI New Delhi 	attented gladiolus cultivars in USA?
(c) NBRI Lucknow	(b) IHBT Palampur
3. Which of the following institute has	(d) IIHR Bangalore patented chrysanthemum cultivars in USA?
(a) IARI New Delhi	(b) Just Balance Cultivars in USA?
WBRI Lucknow	(d) III D C
4. Which of the following company has	(d) IIHR Bangalore
(a) Pocha seeds company Kolkata	paterned Agiaonema cultivars in USA?
(b) Indo American Hybrid Seeds Co	ompany Bangalore
Marionali Seeds Company Amr	tear
MSG's Farms and Nursery Bang	alore

	FLURICULTURE AT A C			
15. Who is not the member of Task Force of PPV of Ornamentals in India?				
(a) Visitiu Swarup	JBY OP Sehgal			
(c) KV Parsad	(d) NK Dadlani			
16. For how many years protection is gi in India?	(d) NK Dadlani iven to a variety of ornamental crops under PPV&FR			
(a) 5	(b) 8			
(c) 15	(4) 20			
17. Which of the following bougainvilles in Australia?	a variety from IIHR Bangalore has been patented			
(相) Dr HB Singh	(b) Indira			
(c) RR Pal	(d) Dr Bao			
18. How much fee has been proposed commercial variety per annuum?(a) ₹ 1000(c) ₹ 5000	by PPV&FR Authority for registration of a non (b) ₹ 2000 (d) Niii			
 How much fee has been proposed variety per annuum based on total (a) 1% (c) 0.1% 	by PPV&FR Authority for registration of a hybrid sale value? (b) 5%			
	(d) 0.6%			
(c) NBRI Lucknow	d for testing of rose cultivars under DUS in India? (b) IARI New Delhi			
The Local Investment of the Control	(d) IIHR Bangalore			
	KEY			