Pap Pap	er er er no neste	: X (Angiosperm Taxo o: BOT/VI/ CC/ 19	onomy, Anatomy and Embryology)
	_	altiple choice the correct answer in the braining the correct answer in the braining the brainin	ackets provided:
Uni	t 1		
		nera Plantarum is written by	
		Bentham and Hooker	()
	b)	Engler and Prantl	()
	c)	John Hutchinson	()
	d)	None of the above	()
2.	"Fa	milies of the Flowering Plan	ts" book is written by
		Bentham and Hooker	()
		Engler and Prantl	()
	,	John Hutchinson	
	d)	None of the above	()
3. 🛚	The s	system of classification giver	n by Bentham and Hooker is
	a)	natural	()
	b)	artificial	()
		phylogenetic	()
	d)	All of the above	()
4.	Phy	logenetic system of classific	ation is based on
	a)	Floral characters	()
		Evolutionary relationship	()
		Morphological features	()
	d)	Chemical constituents	()
5.	The	e system of classification give	en by Engler and Prantl is
	a)	natural	()
	b)	artificial	()
		phylogenetic	()
	d)	Modern	()
	Uni	it 2.	
6. I	n ar	boretum botanical garden the	only species of plant grown is
	a)	Trees	()
	b)	Bamboos	()
		Orchids	
	d)	Grasses	()
7. 🗆	The 1	largest and oldest botanical g	arden in India
	a)	Indian Botanical Garden, K	olkata ()
		National Botanical Garden,	, ,
	c)	Lloyd Botanic Garden, Darj	eeling ()

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d) The Mysore State Botanic Garden, Bangalore	()
8. The world's largest and famous Botanical Garden is	
a) Royal Botanical Garden, Kew	()
b) Botanic Garden of Cambridge University	() () ()
c) Botanic Garden of University of Moscow	()
d) Botanical Garden of Philadelphia	()
9. In a Herbarium, sheets are arranged according to	()
a) Regionally accepted system of classification	()
b) Universally accepted system of classification	()
c) Nationally accepted system of classificationd) Locally accepted system of classification	()
d) Locally accepted system of classification	()
10. One of the largest herbarium is located ina) Sweden	()
b) Geneva	()
c) Berlin	() () ()
d) Kew	()
a) Item	()
Unit 3	
11. Pulses are group of plants belonging to the family	
a) Fabaceae	()
b) Rutaceae	()
c) Magnoliaceae	()
d) Zingiberaceae	()
12. Obdiplostmenous condition of androecium is comm	
a) Scrophulariaceae	()
b) Verbenaceae	()
c) Liliaceae	()
d) Rutaceae	()
13. Phyllotaxy refers to the arrangement of	()
a) Flowersb) inflorescence	()
c) leaves	()
d) stems	()
u) stems	()
14. Almost all plants have latex in	
a) Fabaceae	()
b) Euphorbiaceae	()
c) Cyperaceae	()
d) Orchidaceae	()
15. Inflorescence in family Euphorbiaceae is	
a) Catkin	()

b)	Cyathium	()
c)	Spike	()
d)	Capitulum	()
UNIT	-4	
16. Pro	esence of phloem wedges in the xylem is found in	l
	Amaranthus stem	()
b)	Mirabilis stem	()
	Bignonia stem	()
d)	All of the above	()
17. Tl	he meristematic tissue that developed between vas	cular bundles during secondary growth is
ca	ılled	
a)	Fascicular cambium	()
b)	Interfascicular cambium	()
c)	Primary cambium	()
d)	None of the above	()
18. Co	ork cells are otherwise called	
	periderm	()
	phelloderm	()
	phellem	()
	phellogen	()
19 Be	neath which region the cells become meristematic	in dicot root?
	Xylem	
	Phloem	
,	Pith	
d)	Endodermis	()
20. 1.		
	erxylary phloem is formed due to	
	Formation of accessory strips of cambium	()
	Abnormal behaviour of normal cambium	
	Anomalous position of cambium	()
d)	Anomalous behaviour of abnormal cambium	()
UNIT	-5	
21. A	single hypodermal cell in the nucellus becomes di	fferentiated from its surrounding cells by
its	larger size, dense cytoplasm and large nucleus, ca	ılled
a)	primary sporogenous cell	()
b)	primary parietal cell	()
c)	archesporial cell	()
d)	nucellus	()
22. Ar	n embryo sac that it is derived from only one of the	e four megaspores is called
	monosporic embryo sac	()
b)	Bisporic embryo sac	()
,	Tetrasporic embryo sac	()
	Haplosporic embryo sac	()

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23.	Transfer of pollen grains from an anther to the stigma of different flower of the same plant is called				
	a) heterogamy ()				
	b) geitonogamy () c) Cleistogamy ()				
	c) Cleistogamy ()				
	d) xenogamy ()				
24.	Cocos nucifera is an unique example of				
	a) cellular endosperm ()				
	b) helobial endosperm () c) nuclear endosperm () d) none of the above				
	c) nuclear endosperm ()				
	d) none of the above ()				
25.	The seeds where the endosperm forms a permanent tissue which persists till germination of seeds are called				
	a) albuminous seeds ()				
	b) exalbuminous seeds c) non-endospermic seeds () ()				
	c) non-endospermic seeds ()				
	d) monocot seeds ()				
Fil Un 1.	in the blanks: it 1 The Bentham and Hooker system of classification divided all the Phanerograms into				
1.	Dicotyledons, and Monocotyledons.				
2.	Smallest taxon of classification is				
3.	Number of volumes in Genera plantarum is				
Un	it 2.				
4.	is the one specimen or other element used by the author or designated by him as the nomenclatural type.				
5.	When the specific epithet exactly repeats the generic name it is known as				
6.	in Italy is considered to be the oldest Botanical Garden in the world.				
Un	it 3.				
7.	Number of perianth in family Liliaceae are				
8.	Pollinium is found in the family				
9.	In the familythe leaves are dotted with glands which contain volatile oils.				
Un	it 4				

10.	The change of position of xylem strands from exarch to endarch type is referred to as				
11.	The strips of cambium that arise within collateral bundles is called				
12.	During Root – Stem transition, the number of vascular bundles in stem is half the number of vascular bundles in root in type				
Un	it 5				
13.	The phenomenon of development of more than one embryo inside a seed is called				
14.					
15.	Endosperm is the main source of food for the growing				
KF	CY ANSWERS				
Mu	ultiple choice Unit 1				
	1. a				
	2. c				
	3. a				
	4. b				
	5. c				
	Unit 2				
	6. a				
	7. a 8. a				
	9. b				
	10. d				
	Unit 3				
	11. a				
	12. d				
	13. c				
	14. b 15. b				
	Unit 4				
	16. (c) – Bignonia stem				

- 17. (b) Interfascicular cambium
- 18. (c) Phellem
- 19. (b) Phloem
- 20. (b) Abnormal behaviour of normal cambium

Unit 5

- 21. (c) archesporial cell
- 22. (a) monosporic embryo sac
- 23. (b) geitonogamy
- 24. (c) nuclear endosperm
- 25. (a) albuminous seeds

Fill in the blanks:

Unit 1

- 1. Gymnosperms
- 2. Species
- 3. Three

Unit 2

- 4. Holotype
- 5. Tautonyms
- 6. Padua Botanical Garden

Unit 3

- 7. Six
- 8. Orchidaceae
- 9. Rutaceae

Unit 4

- 10. Vascular transition.
- 11. Fascicular cambium
- 12. Anemarrhena

Unit 5

- 13. polyembryony.
- 14. allium type, endymion type
- 15. embryo