# SUBJECT CODE NO:- B-2027 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. S.Y. (Sem-III) Examination Oct/Nov 2019 Botany Paper-VII Taxonomy of Angiosperms

Time	e: 1:30 H	ours]	Tuzionomy	or rangeosperans		Max.Marks:50]
		Please c i) ii)	Attempt all question	ave got the right que ons. wer with suitable we		
Q.1	Comm	ent on origin and e	volution of Angiosp	perms.		20
	Descri	be in details Embry	ology and Anatomy	used in taxonomy.		
Q.2	_	n in detail family so nic importance of f	/\frac{1}{2} \times \frac{1}{2}	l formula and floral o	liagram. Add a note o	on 20
				OR		
		Short notes on any	four:		42971098	
		Palynology	276 200 35 300			
		Species concept			20 40 41 42 0	
		Floral Structure of				
		Economic importa				
	e)	Verticillaster inflo	rescence		2)-2)-75-75-75-75-75-75-75-75-75-75-75-75-75-	
Q.3	Multip	ole Choice Question	is.			10
	1.	Ocimum sanctum	belongs to family			
	۷.	a) Liliaceae	b) Acanthaceae	c) Lamiaceae	d) None of these	
	2.	Which of the follo	wing family does no	ot belongs to polypet	alac.	
		a) Malvaceae	b) Fabaceae	c) Caesalpinacea		
Q	3.	Bilabiate type of c	corolla belongs to			
1308 E		a) Acanthaceae	b) Solanaceae	c) Liliaceae	d) None of these	<b>)</b>
	3 4	Attachment of Ov	ale with ovary wall	is called as		
		a) Aestivation	b) Placentation	c) Cohession	d) None of these	
	5	Pulses crop belon	gs to family			
		a) Acanthaceae		c) Fabaceae	d) Malvaceae	
	6.	Mona delphous sta a) Malvaceae	amens belongs to far b) Fabaceae	mily c) Mimosaceae	d) All of these	
200			,	,	,	
300	7.5	47 29 07 70 (1 10)	as father of Botany			
700		a) Aristotle	b) Linnaeus	c) Theophrastus	d) None of these	

### **Examination Oct/Nov 2019**

B-2027

8.	Saccharum o	officinarum is called as		Ś	
	a) Cotton	b) Sugarcane	c) Jowar	d) Ma	nize
				21700	
9.	Bicarpellary	ovary is commonly seen in	•	100 C	0,800,800,80
	a) Solanace	ae b) Malvaceae	c) Fabaceae	d) None	e of these
				2000	
10.	. Cajanus caja	n belongs to family.	25.60	21.60 60.63	
	a) Fabaceae	b) Caesalpinaceae	c) Min	nosaceae	d) Annonaceae

### **Examination October 2020**

#### B.Sc. S.Y (Sem-III)

#### 2167 Botany Paper-VII Taxonomy of Angiosperms

Time: One Hour Max. Marks: 25

instruction

• solve any 25 questions.

1 Artificial system of classification is-			
•	e (B)based on large number of characters	(C)based on evolutionary characters	(D)All of the above
characters  2 The system of classification given by	Linnonia		
	(B)Artificial system	(C)Phylogenetic system	(D)All of the above
<ul><li>(A)Natural system</li><li>3 The book 'Species plantarum' was wi</li></ul>		(C) hylogenetic system	(D)All of the above
(A)Engler & Prantl	(B)Bessey	(C)Linnaeus	(D)Hutchinson.
4 Naming of plants is called	(D)Bessey	(O)Emilacus	(D)Huteninson.
(A)Classification	(B)Nomenclature	(C)Taxonomy	(D)Cytology
5 Cytotaxonomy is	(D) romenetatore	(C) Tuxonomy	(5)0,10105,
(A)Use of cytological data in Taxonomy	(B)Use of chemical data in Taxonomy	(C)Use of large number of characters in	(D)All the above
0.0 10 11 111 14		Taxonomy	
6 Specific epithet should be written as	(D) First letter amell and double round	(C) First letter conite and simple your	(D) Einst letten small and single wond
<ul><li>(A)First letter capital and double word</li><li>7 Botanical name should be in</li></ul>	(B)First letter small and double word	(C)First letter capital and single word	(D)First letter small and single word
(A)English	(B)Roman	(C)Latin	(D)Hindi
8 What is used for drying plant specime		(C)Latin	(D)I ilidi
(A)Filter paper	(B)Blotting paper	(C)Parchment paper	(D)Cellophone paper
9 Quick referral systems in taxonomic s	* * * * *	(O)1 areinnent paper	(В)сепорноне рарег
(A)Botanical garden	(B)Herberium	(C)Monograph	(D)Manual
10 According to binomial nomenclature,	` '	(O)ivionograph	(D)ivianuai
(A) family and genus	(B)species and family	(C)class and family	(D)genus and species
11 What is used for poisoning of herbari	* / *	(O)emos una immi	(2)genus una species
(A)HCl	(B)H2SO 4	(C)HgCl2	(D)NaCl
• •	al character can be used as character of taxo	. , •	( )
(A)Anther		le(C)Megasporogenesis and development of	of (D)All of the above
, ,		the embryo sac	,
13 When two or more authors publish a r	new species, their names are linked using th	e epithet	
(A)in	(B)at	(C)et	(D)and
14 The Acharya J. C. Bose Indian Botan	ic Garden is situated in		
(A)Bengaluru	(B)Lucknow	(C)Mumbai	(D)Kolkata
	( )		(D)Roikata
15 Bantham and Hooker's system includ			(D)Rolkata
(A)6975		(C)7569	(D)5679
•	es no. of genera (B)6579		(D)5679
(A)6975 16 Fruit Etaerio of berries is found in (A)Apocynaceae	es no. of genera	(C)7569 (C)Annonaceae	
(A)6975 16 Fruit Etaerio of berries is found in (A)Apocynaceae 17 Nerium indicum belongs to family.	es no. of genera (B)6579 (B)Malvaceae	(C)Annonaceae	(D)5679 (D)Fabaceae
(A)6975 16 Fruit Etaerio of berries is found in (A)Apocynaceae 17 Nerium indicum belongs to family. (A)Fabaceae	es no. of genera (B)6579		(D)5679
(A)6975 16 Fruit Etaerio of berries is found in (A)Apocynaceae 17 Nerium indicum belongs to family. (A)Fabaceae 18 Latex is present in the family.	es no. of genera (B)6579 (B)Malvaceae (B)Rubiaceae	(C)Annonaceae (C)Apocynaceae	(D)5679 (D)Fabaceae (D)Euphorbiaceae.
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#### **Examination October 2020**

26 Adhatoda vasica belongs to

(A)Acanthaceae (B)Solanaceae (C)Annonaceae (D)Apocynaceae

27 Gynobasic style is characteristic of

(A)Acanthaceae (B)Solanaceae (C)Lamiaceae (D)Apocynaceae

28 Perianth not differentiated into calyx and corolla is characteristic of

(A)Lamiaceae (B)Nyctaginaceae (C)Apocynaceae (D)Malvaceae

29 Allium cepa belongs to

(A)Acanthaceae (B)Liliaceae (C)Annonaceae (D)Apocynaceae

30 The Acharya J. C. Bose Indian Botanic Garden is situated in

(A)Bengaluru (B)Lucknow (C)Mumbai (D)Kolkata

### SUBJECT CODE NO: - 2048 FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. S.Y (Sem. III)

### Examination March/April-2022 (To Be Held In June/July-2022) Botany Paper-VII Taxonomy of Angiosperms

[Tim	ne: 1:53 Hours]	ax. Marks:50
N. B	Please check whether you have got the right question paper.  i. Attempt all questions.  ii. Draw neat & well labeled diagrams wherever necessary.	
Q.1	Explain principles of Binomial nomenclature. Add a note on some important rules of nomenclature	20
	OR	
	Explain in detail procedure of making herbarium and add a note on any two herbaria in Ind	ia.
Q.2	Explain in detail family Apocyanaceae with floral formula, floral diagram, systematic posit and add a note on two economic important plants.  OR	ion 20
	Write short notes (any four)  a) Salient features of Angiosperm's  b) Axile and parietal place mentation c) Economic importance of malvacear d) Floral structure of Solanaceae e) Legume and follicle fruit	
Q.3	Multiple choice questions  1) Botanical name of plant consists of  a) One words  c) Three words  d) All of these	10
	<ul> <li>2) The Angiosperm's include those plants which have <ul> <li>a) Naked seed</li> <li>b) Covered seed</li> <li>d) No flowers</li> </ul> </li> <li>3) The type of fruit of Annona is termed as <ul> <li>a) An Etaerio of Berries</li> <li>b) Berry</li> <li>c) Pome</li> <li>d) None of these</li> </ul> </li> </ul>	
	4) Most of the herbaria in India follows system of classification. a) Bentham & Hooker's b) Linnaeus	

	c)	Both of these	d)	None of these
5)	In th	ne plants of family Malvaceae the stamens	are	always.
		Mohadelphous		Diadelphous
	c)	Polyadelphous	d)	Monandrous
6)		flower, when calyx and corolla and stame ry is termed as	ns a	arise from base of ovary the position of
	a)	Semi-interior	b)	Inferior
	c)	Superior	d)	None of these
7)	In A	Acaria the stipule is modified to		
ŕ		Tendril	b)	Trichome
	c)	Spine	d)	None of these
8)	In fa	amily Lamiaceae (Labiatae) the inflorescen	nce	
		Cyathium	<b>ふ</b> た > !	Hypanthodium
		Verticellaster		Head
9)		ome flowers sepals and petals do not differ colour, it forms a single part is termed as	rin	shape and petals do not differ in shape
		Calyx	b)	Corolla
	c)	Perianth	~ C. Y	None
10	) Bota	anical name of Tulsi is	\$ \f	
		Ocimum tenuiflorum L.	b)	Solanum tuberosum L
		Capsicum annuum L	~~~	Abutilon indicum sweet
	- /		927	X CO W. A G.

### SUBJECT CODE NO:-B-2048 FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. S.Y (Sem-III)

### Examination November/December- 2022 Botany Paper-VII Taxonomy of Angiosperms

[Time:	: 1:30 Hours] [Max. Marks	:50
N.B	"Please check whether you have got the right question paper"  1) Attempt all questions.	
	2) Draw neat & well-labeled diagram wherever necessary.	
O.1 Ex	aplain in detail salient features of Angiosperms.	20
	OR STATE	
Ex	aplain in detail Taxonomy in relation to Embryology and cytology.	
	escribe in detail family Lamiaceae up to floral formula, floral diagram. Add a note on few plants of onomic importance?	20
	OR OR OF A	
W	rite short notes on:	
a) b) c) d) e)	Botanical Gardens of India Merits and demerits of Bentham and Hooker's system of classification. Economic importance of Annonaceae. Racemose inflorescence. Papilionaceous corolla.	
Q.3 M	ultiple choice questions:	10
1.	Bentham and hooker's system of classification (a) Natural (b) Artificial (c) Phylogenetic (d) All of these	
50° 2.	Botanical name of chilli is  (a) Solanum melongena L.  (b) Capsicum annum L.  (c) Polyalthia longifolia sonn  (d) Alizada lebbek L.	
3.	Oryza sativa L. belongs to family (a) Liliaceae (b) Poaceae (c) Malvaceae (d) Brassicaceae	
4.	Double fertilization is characteristics feature of –  (a) Angiosperms (b) Gymnosperms (c) Pteridophytes (d) Bryophytes	

		W. Kolite
		B-2028
5.	The father of Taxonomy is- (a) Carolus Linnaeus (b) A.P. de candolle (c) G. Bentham (d) R. Smith	
6.	The vinca rosea is a (a) Under shrub (b) Perennial herb (c) Biennial herb (d) None of these	
7.	The plants of family Poaceae Possesses.  (a) Tap root (b) Branched tap root (c) Adventitious root (d) None of these	Color,
8.	The leaf extract ofused to prepare syrup against cough.  (a) Vinca rosea (b) Adhatoda vesica (c) Solanum nigrum (d) None of these	
9.	Pulses belongs to the family (a) Fabaceae (b) Poaceae (c) Liliaceae (d) Apocynaceae	
10	O. Botanical name of Potato is-  (a) Solanum nigrum  (b) Solanum tuberosum	
	(c) Lycopersicon esculentum (d) None of these	Ories
	The strike solve s	
	Fig. By. Bull. By. By. By. By.	
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### SUBJECT CODE NO: - Y-2048 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. S.Y (Sem-III)

### Examination March / April - 2023 Botany Paper-VII Taxonomy of Angiosperms

[Tir	me: 1:30 Hours] [Max. Mark	s: 50
_	Please check whether you have got the right question paper.	J.)
N. E		
		57.
Q1	Describe in detail family Liliaceae up to formula floral diagram Add a note on few plant of economic importance?	20
	OR JO OR JO JO	
	Write salient features of angiosperms and add note on evolution of it.	20
Q2	Explain in detail taxonomy in relation to anatomy embryology and ecology.	20
	OR E OR	
>	Write short notes on	20
	a) Concept of genus and species	
	b) Floral structure of Acanthaceae	
A.Y	c) Economic importance of Poaceae	
	d) Racemose inflorescence	
	e) Floral structure of solanaceae	
Q3	Multiple choice questions	10
	1) Family Poaceae is characterized by	
	a) Berry fruit b) Pentamerous flower c) Didynamous stamens d) Glumes	
	2) Infundibuliform corolla is feature of	
	a) Solanaceae b) Asteraceue c) Annonaceae d) Lamiaceae	
	3) Epicalyx growing above the calyx are found infamily	
	a) Liliaceae b) Malvaceae c) Annonaceace d) none of the above	
	4) Which of the following plant belong to family Anonaceace	
	a) Justice adhatoda L. b) Ocimum tenuiflorum L.	
	c) Annona squamosa L. d) Hibiscus rosa -sinensis L	

5)	Which of the following families are monocotyledons?
	a) Acanthacus and Liliaceae b) Poaceae and Liliaceae
	c) Apocynaceae and solanaceae d) Solanaceae and Acanthaceae
	D: 11
6)	Bicarpellary ovary are present in which of the following families?
	a) Solanceace and Apocynaceae b) Fabaceae and Nyctaginace
	c) Anonaceae and malvaceae d) Anonaceae and fabaceae
7)	Which of the following genera represent family Lamiaceace?
	a) Hibiscus and Nerium b) Bacopa and ocimum
	c) Allium And Hibiscus d) catharanthus and Nerium
8)	Triticum aestivum is botanical name of
	a) Wheat b) maize c) Rice d) Jawar
9)	Papilionaceous corolla is feature of flower.
Y. C.	a) Acanthaceae b) Poaceae c) Fabaceae d) Anonaceae
10)	) Which of the following plant belongs to family mimosaceae
	a) Ocimum tenuiflorum b) Adhatoda vasica
	c) Annona Squamosa d) Acacia Arabic

## SUBJECT CODE NO: - BB-2381 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. (CBCGS)(Pattern 2022) S.Y SEM III

### Examination November/December-2023 Botany-VII Taxonomy of Angiosperms

[Time	e: 1:30 Hours] [Max. Mark	ks: 40]
	Please check whether you have got the right question paper.	
N. B	i) Attempt all questions.	
	ii) Illustrate your answer with suitable well labelled diagram.	
	iii) All questions carry equal marks.	
		8
Q1	What is binomial nomenclature. Comment on principles and rules of nomenclature.	10
Ψ-	OR	
	Describe in brief:	Q.V
	(a) Botanical garden	VA
	(b) Salient features of angiosperms	5
Q2	Explain in details family Liliaceous. Add a note on plants of economic importance of	10
2	Liliaceous.	10
	OR OR	
	Describe in brief.	
	(a) key characters and floral characters of Rubiaceae	
	(b) economic importance of family Solanaceae	
Q3	Write short notes on (Any two)	10
Q3	(a) Herbarium	10
	(b) Floral structure of Mimosaceae	
9	(c) Key characters and floral structure of Acanthaceae.	
	(c) Key characters and noral structure of Academiaceae.	
0.4		10
Q4	MCQ (10 Questions 1 marks each)	10
	(1) Botanical name of Tomato belongs to family	
	(a) solanum tuberosum (b) Solanum melongiana	
	(c) solanum lycopersium (d) solanum nigrum	
	(2) Verticilaster infloresceme is character of family	
	(a) Nictagenaceae (b) Lamiaceae	
	(c) Fabaceae (d) Annonaceae	

(3)	Monadelphous stamen is characteristic of family					
	(a) Annonaceae	(b) fabaceae				
	(c) Malvaceae	(d) Solanaceae				
(4)	Infundibulifrom carolla is	present in family				
	(a) Solanaceae	(b) fabaceae				
	(c) Annonaceae	(d) Malvaceae				
		LA ES OF SELECTION				
(5)	Bentham and Hooker's sy	stem of classification is an example of system.				
	(a) Artificial	(b) Natural				
	(c) Phylogenetic	(d) None of the above				
(6)	The aestivation in fabacea	e family is type.				
	(a) Contorted	(b) Valvate				
	(c) Quincuneial	(d) Vexillary				
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
(7)	Flower posses involucres	bract in the family				
	(a) nyctaginaceae	(b) annonaceae				
	(c) Rubiaceae	(d) Apocynaceae				
	2° 3'					
(8)	Bilabiate corolla belongs	to family				
	(a) Annonaceae	(b) Liliaceae				
	(c) Malvaceae	(d) Lamiaceae				
Y	60 Ex					
(9)	Pulses crops belongs to	family.				
	(a) fabiaceace	(b) Caesalpinaceae				
	(c) mimosaceae	(d) All of these				
		E. L.				
(10)	Father of modern Taxono	my is called				
	(George Bentham	(b) John Hutchinson				
	(c) Charle Darmin	(d) Carl Linnaeus				