2022

#### **BOTANY**

## [HONOURS]

(CBCS)

# (B.Sc. Fifth Semester End Examinations-2022)

### PAPER-C11T

# [Reproductive Biology of Angiosperms]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as

far as practicable

Illustrate the answers wherever necessary

#### Group - A

1.	Ar	5x2=10	
	a)	What is the function of suspensor?	
	b)	What are cybrids? Give an example.	1-1
	c)	What is the significance of double fertilization?	
	d)	What is the role played by caruncle?	
	e)	How will you test pollen viability?	٠
	f)	What are the factors for flower induction?	
	g)	Write the contributions of J. Heslop-Harrison	
	ы	Define GSI	

## Group - B

4x5=20

2. Answer any four of the following:

3.	Wr	rite	a	short	note	on	molecula	aspe	ets	of	flower	
	dev	velop	me	nt.			-					
4.	Wł	nąt	are	the	diffe	rent	methods	to o	vero	ome	self-	
	inc	omp	atib	ility in	plants	? Giv	e suitable e	xample	s.		3+2	
5. What are the different types of apomixis? What a											causes	
	of p	olye	mb	ryony?							2÷3	
<b>6.</b> .	Dis	ting	uish	betwe	en th	e de	velopment	pattern	of	dice	ot and	
							diagrams.					
7.	Dif	feren	itiat	e betw	een he	lobia	l and celiu	lar type	of:	endo	sperm	
	with	n sui	tabl	e exam	ples.			÷				
8.	Dis	cuss	bri	iefly n	negaga	meto	genesis (F	olygoni	ım	type)	with	
	suit	able	diag	grams.							3-2	
Group - C												
).	Ans	wer	any	one o		-				1 <b>x</b> 1	10=10	
							opment in	Paeonia	a w			
							difications					
							ultrastruct				•	
		ac.						are or r			+2+3	
1			100	briefly	the e	truoti	ing of auth	a11				
,							ire of anth					
	Q	uagra	ams	. wna	i are i	ne li	mitations	ot NPC	cla	assific	cation	

system. What is MGU? What is the role played by tapeturn?

(3-1)+2-1+2+1

What is callose?