Padmashree Dr. D. Y. Patil College of Agriculture A/P: Talsande, Tal: Hatakangle, Dist.: Kolhapur Pin Code: 416 112

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUN SEMESTER END EXAMINATION

B.Sc. (Agri.)

			21,000 (12	3		
Semes Cours Credit	e No.	: IV (New) : AGRO 247 : 3 (2+1) : Friday, 27.04.2012		a: II Academic Year: 2011-12 e: Field Crops – II (Rabi Crops) e: 14.00 to 17.00 Total Marks: 80		
	Note:	 Solve ANY EIGHT ques All questions from SECT All questions carry equal Draw neat diagrams when 	'ION "B' marks.	' are compulsory.		
			SECTIO	N "A"		
Q.1	Desc			gated wheat (timely sown) on following		
	1)	Economics importance		Land preparation		
		Seeds and sowing		Harvesting, threshing and yield		
Q.2	Writ	e in details the cultivation of	chickpea	on following points:		
		Seed and sowing	2)	Fertilizer		
	,	Irrigation	4)	Harvesting and threshing		
Q.3		are a leaflet on safflower with	ı respect	to following points:		
	1)	Origin	2)	Intercropping		
	3)	Seed and sowing	4)	Sign of maturity, harvesting and yield		
Q.4		suss the cultivation of linseed	in relatio	on to:		
7.00	1)	Economics importance	2)	Season		
	,	Seeds and sowing	4)	Harvesting and yield		
Q.5	Pren	are a leaflet for Sugarcane cu	ltivation	on following points:		
ζ.,	1)	Season	2)	Selection of sets		
	3)	Sets treatments	4)	Sigm of maturity, harvesting and yield		
Q.6	Adv	rice a farmer regarding cultiva	tion of C	Dat on following points:		
٧.٥	1)	Economics importance	2)	Varieties		
	3)	Season	4)	Harvesting and yield		
Q.7	The state of Potato on the following points:					
ζ.,	1)	Seed and sowing	2)	Fertilizer application		
	3)	Irrigation	4)	Harvesting and yield		
	- ,					

Write in details regarding cultivation of berseem on following points:

Explain in details the cultivation of barley on the following points:

6)

SECTION "B"

Seed rate and spacing

Harvesting and yield

Classification of pea

Sign of maturity, harvesting, threshing

Economics importance of lemon grass

Harvesting, lancing and latex collection

Varieties

and yield

in poppy

"B"

Q.8

Q.9

Q.10

Q.11

Climate

Soil

Water management

Seed and sowing

Write a short notes (Any Four)

Topping in tobacco

sugarcane

"A"

Berseem

Match the pairs.

Toxicity effect of lucern

Advantages of ratooning in

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MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOSEMESTER END EXAMINATION

			2		AMINATION	12/
·		В	S.Sc.	(Agr	i.)	DE K ON THE TOTAL THE TOTA
Seme	ster	: IV(New)	Te	rm	: II Acad	emic Year : 2009-10
Course No.		: AGRO 247	T	itle	: Field Crops -II (
Cred	1.07%	: 3(2+1)				
Day &	& Date	: Monday, 26.4.2010	_Ti	me	: 14.00 to 17.00	Total Marks : 80
	Note:	1. Solve ANY FIVE questions	fror	n SE	CTION "A".	
		 All questions from SECTIO All questions carry equal ma)N "]	B" a	re compulsory.	.,**
200		 All questions carry equal ma Draw neat diagrams wherev 		cessa	irv.	
	13 y 1 130					
			CTI		±0	
Q.1	Expla	in in detail the cultivation pract	ices	of ir	rigated wheat on fo	llowing points:
	1)	Soil and climate	2)	Se	ed and sowing	
	3)	Nutrient management	4)	Irr	igation managemen	it
	5)	Harvesting and yield				194 195
Q.2	Descr aspec	ibe in detail the improved cult	ivati	on n	nethods of rabi sor	ghum on following
	1)	Varieties	2)	Sec	ed bed preparation	
	3)	Manures and fertilizers	4)	Irri	igation managemen	t
	5)	Harvesting and yield			1-	
Q.3`	Elabo	rate following points in respect	of cl	nickį	pea.	
	1)	Seed bed preparation	2)	Va	rieties	(<u>50)</u>
	-3)	Seed and sowing	4)	We	ed management	12
	5)	Irrigation management	7		£	
Q.4	Explato foll	in in brief the production techn owing points.	olog	ies o	of pre-seasonal suga	arcane with respect
	1)	Selection of planting material		2)	Methods of plantin	ıg .
	3)	Nutrient management		4).	Irrigation	
12.	5)	Signs of maturity		,		•
	16					

- Q.5 Give the information of following points about the cultivation of safflower.
 - 1) Seed bed preparation
- 2) Varieties

3) Interculture

Fertilization

- Irrigation
- Q.6 Explain the following improved techniques for forage maize production
 - Seed bed preparation
- 2) Varieties

3) Interculture

4) Manure and fertilizers

Irrigation

Write short notes (Any four):

4) Methods of planting in potato.

3) Malting in barley

State true or false:

5) Uses of lemon grass

1) Importance of pulses in Indian agriculture

2) Constraints of low productivity of oilseeds.

1) Mexican wheat is sown on shallow depth.

4) Garden pea is grown for dry seeds.

SECTION "B"

2) Low temperatures below 130 C at bloom in rabi sorghum adversely affect seed setting.

3) Due to hardy nature, barley can be cultivated where wheat cultivation is difficult.

Q.7

Q.8

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Pin Code: 416 112

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MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

. B.Sc. (Agri.)

Credi	se No.	: 3 (2+1)	Term Title Time	: Field Crops – II (Rabi Crops)					
	Note		ions from ON "B" narks.	SECTION "A". are compulsory.					
	SECTION "A"								
Q.1	Elab	orate the following points of W	heat cult	tivation:					
	a)	Field preparation	b)	Seed and sowing					
	c)	Manures and fertilizers	d)	Harvesting and yield					
Q.2	Des	cribe in brief cultivation of Chic	kpea on	following points:					
	a)	Seed and sowing	b)	Soil and climate					
	c)	Manures and fertilizers	d)	Irrigation					
Q.3	Desc	cribe in short cultivation of Sur	ı Sugarc	ane on following points:					
	a)	Fertilizer management	b)	Water management					
	c)	Planting time and methods	d)	Varieties according to maturity period					
Q.4	Give	the information on following p	oints ab	out the cultivation of Mustard:					
	a)	Varieties	b)	Seed and sowing					
	c)	Fertilizer management	d)	Rotation and mixed cropping					
Q.5	Des	cribe the cultivation of Tobacco	on follo	wing key points:					
	a)	Soil and climate,	b)	Manures and fertilizers					
	c)	Land preparation	d)	Water management					
Q.6	Wri	te short notes on (Any Two)							
	1)	Medical uses of Isabgol	2)	Seeds and sowing of potato					
	3)	Economic importance and use	s of Paln	narosa					
Q.7	Elat	orate the cultivation practices of	of Safflow	wer crop on following points:					
	a)	Soil and climate	b)	Seed and sowing					
	c)	Manures and fertilizers	d)	Harvesting and yield					

Q.8	Elaborate the following points of Berseem cultivation:					
	a)	Soil and climate	b)	Manures and fertilizers	
	c)	Seed rate and spacing	d)	Economic importance	
Q.9	Desc	ribe in brief cultivation o	f Barley on	fol	lowing points:	
	a)	Recommended varieties	b)	Seed and sowing	
	c)	Manures and fertilizers	d)	Harvesting and yield	
Q.10	Elab	orate the following points	on Fodder	ma	nize cultivation:	
	a)	Manures and fertilizers	b)	Varieties	
	c)	Soil and climate	d	1)	Sign of maturity and harvesting	
			SECTIO	N	"B"	
Q.11	Fill i	n the blanks.				
	1) L	entil is originated from	<u></u> .			
	2) Lemon grass belongs to family.					
	3) Botanical name of pea is					
	4) Linseed contains per cent oil.					
	5) Botanical name of French bean is					
	6) Seed rate of Oat iskg/ha.					
	7) Sunflower is a sensitive crop.					
	8) P	otato belongs to the famil	У		•	
Q.12	Match the pairs.					
		"A"			"B"	
	(1)	Lucerne	(a)	Pi	haseolus vulgaris	
	(2)	Lentil	(b)	H	ordeum valgare	
	(3)	Sugar beet	(c)	C_i	ruciferae	
	(4)	Citronella	(d)	Sc	orghum biocolour	
	(5)	Sorghum	(e)	$C_{\underline{c}}$	ymbopogan winterianus	
1/2	(6)	Rape seed	(f)	L	ens esculenta	
	(7)	Barley	(g)	M	ledicago sativa	
	(8)	French bean	(h)	В	eta vulgaris	



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MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

B.Sc. (Agri.)

-	Semest		: IV (New) : AGRO 247	Ter		II Fiel	Acader d Crops – II (I	nic Year : 20 Rabi Crops)	13-14
	Credit		: 3 (2+1)			2 101	. Сторо 11 (2	спот оторы у	
_	Day &	Date	: Friday, 02.05.20	14 T i	ne :	14.0	0 to 17.00	Total Marks	: 80
,	Ī	Note :	 All questions f All questions c 	GHT questions from SECTION "I arry equal marks. grams wherever need	are	comp			
				SECTIO	N "A	"	**		
	Q.1	Explai points	in in detail the cu	ltivation practice	s of t	imely	sown irrigat	ed wheat on fo	ollowing
		1) Soi	l and climate	2) Se	eds a	nd so	wing		
		3) We	ed management	4) H	arvest	ing a	nd yield		4
	Q.2	Descri	ibe the cultivation	practices of chick	pea o	n foll	owing points.		
		1) See	eds and sowing	2) Ir	rigatio	on ma	anagement	•	
		3) Imp	proved varieties	4) H	arvest	ing a	nd yield		
	Q.3	Explai	in the cultivation o	f sunflower on th	e follo	owing	key aspects.		
		1) Soi	l and climate	2) Se	eds a	nd so	wing	*	
_		3) Rot	tation and mixed ca	ropping 4) H	arvest	ing a	nd yield		
	Q.4	Prepar	re a leaflet on culti	vation of Lucerne	cons	iderii	ng following p	oints.	
		1) See	ed bed preparation	2) Se	eds a	nd so	wing		
		3) Nut	trient management	4) C	utting	mana	igement and y	ield	
116 112	Q.5 Describe in brief the pre- seasonal cultivation of sugarcane on following po							owing points.	
Pin Code : 416 112		1) Pla	nting time and met				eed materials		
Pin		3) Nu	trient management	4) Sin	igs of	matu	rity, harvestin	ig and yield	
	Q.6	Write	about the improve	d cultivation of p	otato	on fo	llowing points	5.	
		1) Soi	ll and climate	2) Int	ercul	turing			
		3) Im	proved varieties	4) Ha	rvest	ing a	nd yield		
	Q.7	Descr	ibe in brief the cul	tivation of rabi so	rghu	n on	following poi	nts.	
		· ·	eds bed preparation		eds a		•		
		3) Irri	gation managemer	t 4) H	arvest	ing a	nd yield		
	Q.8	Descr	ibe in brief the cul	tivation practices	of ler	non g	rass on follov	ving points.	
		•	il and climate				wing		
		3) Fer	tilizer managemen	t 4) Ha	rvest	ing a	nd yield		
	Q.9		ibe the cultivation				-		
		•	il and climate		eds ar		<u> </u>		
		3) Imp	proved varieties	4) Ha	irvest	ing a	nd yield		(D.T.O.)

Q.10 Write short notes on (Any Four)

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MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

B.Sc. (Agri.)

_	Credi Day &	se No. : AGRO 247 its : 3 (2+1) & Date : Wednesday, 13.05.2015	Term: II Academic Year: 2014-1: Title: Field Crops – II (Rabi Crops) Time: 14.00 to 17.00 Total Marks: 8 from SECTION "A".						
,-	•	Note: 1. Solve ANY EIGHT questions 2. All questions from SECTION 3. All questions carry equal mark 4. Draw neat diagrams wherever	s. [LIBRA!] a						
		SEC	TION "A"						
	Q.1	Describe in detail the cultivation practi 1) Ecology	ces of irrigated wheat on following points. 2) Seeds and Sowing						
		3) Irrigation Management	4) Harvesting and yield						
	Q.2	Give the information on cultivation pra	ctices of Chickpea crop with respect to						
		1) Seeds and Sowing	2) Weed control						
		3) Irrigation Management	4) Varieties						
	Q.3	Explain the cultivation of safflower on	following aspects						
	1	1) Economic importance	2) Ecology						
		3) Seeds and sowing	4) Fertilizer dose						
	Q.4	Elaborate cultivation of suru sugarcane	on following points.						
		1) Fertilizer requirement	2) Irrigation Management						
6 112		3) Signs of maturity	4) Varieties						
Code: 416 112	Q.5	Describe in brief cultivation of Lucerne	considering following points.						
Pi C		1) Seed bed preparation	2) Seeds and sowing						
		3) Nutrient and Irrigation Management	4) Cutting and yield						
	Q.6	Prepare a brief note on potato production	n with following points.						
		1) Soil and climate	2) Seeds and sowing						
_	J	3) Varieties	4) Harvesting and yield						
(Q.7	Prepare a brief not on citronella cultivation.							
(Q.8	Describe in brief cultivation of rabi sorg	ghum on following points.						
			2) Seeds and sowing						
		3) Weed management	4) Cropping system						
(Q.9	Write the importance of pulses in Indiproduction of pulses.	an Agriculture and give the constraints in						

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A/P: Talsande, Tal: Hatakangle, Dist.: Kolhapur

	Q.10	Write short notes on (Any two).						
		 Seeds and sowing along with varieties of fodder maize. Importance of Barley crop 						
		Curing in tobacco						
	74		SECTION "B"					
	Q.11	Fill in the blanks.						
	(342)	Nipping is done in	crop.					
•		2) Botanical name of Isabgol	is					
1	• 3	3) Desuckering is done in	crop.					
	¥	4) Microsperma lentil is the	predominant type cultivated in					
	•)	5) Propagation of Mentha is	done by					
		6) Sugar beet crop belongs to	family					
		7) Linseed contains	% oil.					
		8) French bean belongs to	family.					
	Q.12	Match the following pairs.						
	2	"A"	"B"					
	Patil College of Agriculture tatakangle, Dist.: Kolhapur xde: 416 112	1) Wheat	a) Pisum sativum					
	Patil College of Agri Hatakangle, Dist. : Kolhapur ode : 416 112	2) Pea	b) Avena sativa					
X	College gle, Dist. 3 112	3) Sunflower	c) Mentha arvensis					
IBRAR	Patil C Hatakang ode: 416	4) French Bean	d) Cymbopogon flexuosus					
161	۲. الله ع	5) Mentha	e) Trifolium alexandrium					
	Padmashree Dr. D. Y. A/P: Talsande, Tal : Pin C	6) Leman Grass	f) Phaseolus vulgaris					
	mashr A/P:	7) Berseem	g) Any season					
	Pad	8) Oat	h) Gluten					
		ે. •	***					