Crop Production - A question bank

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CROP PRODUCTION

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CEREALS AND MILLETS

	CROP: RICE					
1.	The scientific name of rice (a) Oryza sativa (c) Both A&B	ce is (b) Oryza glaberima (d) None of these	11.	Panicle is a type of inflor (a) Rice(c) Urd	escence of which crop? (b) Lentil (d) Soybean	
2.	Rice belonging to which (a) Gramineae(c) Grass family	family? (b) Poaceae (d) All of these	12.	Lemma + palea together (a) Hull(c) Palea-hull	called as (b) Hull-lemma(d) None of these	
3.4.	Origin place of rice is (a) SEA(south east asia) (b) Indo-Burma Sowing time of Aus rice is (a) June-july (b) April-may	(b) USA (d) A & C both is (b) Mar-april (d) May-june	13. 14.	changing management of (a) Plant	(b) Shallow (d) None of these g productivity of rice by f (b) Soil	
5.	Aus rice is also known as (a) Aman rice (c) Autumn rice	(b) Boro rice (d) None of these	15.	(c) Water & nutrientSRI first developed at wh(a) China(c) Madagascar	(d) All of these nich place (b) USA (d) USSR	
6.	Sowing time of Aman ric (a) June-July (c) May-june	e is (b) Mar-april (d) Dec-jan	16.	SRI sytem developed in t (a) 1963 (c) 1945	,	
7.	Sowing time of Boro rice (a) Nov-dec (c) Oct	is(b) Dec-Jan(d) July –august	17.	SRI system developed by (a) Fr. H. D Launie (c) M. S. Swaminathon	(b) H. (d) Peter (d) N. E. Borlaug	
8.	Aman rice is also called at (a) Kharif rice (c) Both A & B	(b) Winter rice (d) None of these	18.	Yield of rice is increased (a) 50-60% (c) 50%	by adopting SRI is (b) 30% (d) 50-90%	
9.	Boro rice is called as (a) Summer rice(c) Kharif rice	(b) Winter rice(d) None of these	19.	Rice is a which type of pl (a) Short Day Plant (c) Day neutral Plant	(b) Long Day Plant (d) None of these	
10.	In which rice lodging do (a) Indica rice (c) Javanica rice	(b) Japonica rice (d) All of these	20.	Self pollination occurs in (a) Bajra(c) Jawar	(b) Mustard (d) Paddy	

21.	Test weight of Basmati r	ice is	36.	Chromosome number	(2n) of rice is
	(a) 24 gm	(b) 26gm		(a) 42	(b) 24
	(c) 22gm	(d) 21gm		(c) 36	(d) 56
22.	Cardinal temperature of	f rice is	37.	2n=24 is the chromoso	me of which crop-plant
	(a) 15-20°C	(b) 20-25°C		(a) Bajra	(b) Ragi
	(c) 40-45°C	(d) 30-32°C		(c) Wheat	(d) Rice
23.	Hulling % of rice is		38.	Gas emitted from rice	field is
	(a) 60-65%	(b) 30-50%		(a) CH ₄	(b) CH ₃
	(c) 80-85%	(d) 45-55%		(c) CO_2	(d) CO
24.	First variety of rice is		39.	H2S cause which disea	se in rice crops
	(a) NT-1	(b) Jaya		(a) Blight	(b) Leaf spot
	(c) NR-8	(d) TN-1		(c) Root rot	(d) Akiochi
25.	Jagannath is the mutant	variety of	40.	Highest N losses in ric	e field by
-0.	(a) Rice	(b) Wheat		(a) Leaching	(b) Run-off
	(c) Barley	(d) Oat		(c) Percolation	(d) Denitrification
26.	Jagannath is the mutant		41.	Paira & Utera croppin	g system is closely related to
20.	(a) TN-1	(b) T-14		(a) Wheat	(b) Rice
	(c) TN-41	(d) TN-141		(c) Barley	(d) Bajra
27.	` '	g variety of rice developed	42.	Puddler is related to w	hich crop plant
21.	by	g variety of rice developed		(a) Wheat	(b) Rice
	(a) ICAR	(b) IARI		(c) Barley	(d) Bajra
	(c) IRRI	(d) CRRI	43.	Hydrothermal treatm	nent of rice grain before
28.	Maximum rice exporter			milling is termed as	Same Same
20.	(a) USA	(b) China		(a) Boiling	(b) Parboiling
	(c) India	(d) Thailand		(c) Water treatment	(d) None of these
29.	SRI is introduced first ti		44.	Which vitamin is cons	erved by par-boiling of rice
29.	(a) Punjab	(b) Tamil Nadu		(a) Vit-c	(b) Vit-D
	(c) Haryana	(d) West Bengal		(c) Vit-B	(d) Vit-B12
20	•	. ,	45.	Seed rate in dapog method for rice	
30.	Which rice variety is rel (a) PHB-30	• •		(a) 3-4kg/sq.m	(b) 10kg/sq.m
	(a) FIIB-30 (c) Jaya	(b) PHB-71 (d) Ratna		(c) 15kg/sq.m	(d) 8kg/sq.m
21	•		46.	Area required for seed	lling preparation in DAPOG
31.	Most critical stage of ric			method is	
	(a) Tillering	(b) Jointing		(a) 40-50cm2	(b) 70-80cm2
	(c) Rooting	(d) Booting		(c) 75-85cm2	(d) 25-30cm2
32.	Fruit of rice is called		47.	Miracle rice of India is	S
	(a) Achene	(b) Grain		(a) Padma	(b) Pusa Rh-10
	(c) Cereal	(d) Caryopsis		(c) Sita	(d) Jaya
33.	Widely used N-fertilizer		48.	Gene responsible for d	lwarfness in rice is
	(a) Ammonium sulphate	(b) Calcium sulphate		(a) N-10	(b) Teasinate
	(c) Urea	(d) DAP		(c) Oryzin-10	(d) Dee-geo-woo-gene
34.	White eye of rice is due	to	49.	Khaira disease of rice	is due to deficiency of
	(a) Ca	(b) Mg		(a) Fe	(b) B
	(c) S	(d) Fe		(c) P	(d) Zn
35.	Killer disease of rice is		50.	Optimum soil pH reau	ired for growing rice is
	(a) Bacterial blight	(b) Tungo virus		(a) 7-8	(b) 6-7
	(c) Gram leaf hopper	(d) Both A & B		(c) 3-4	(d) 4-6

51.	First super aromatic bas		65.		2 for rice production in the
	(a) Jaya	(b) Padma		year 2011	(1) MD
	(c) Pusa basmati	(d) Pusa Rh-10		(a) UP	(b) MP
52.	Saline tolerant rice varie	ty is		(c) Punjab	(d) West Bengal
	(a) Sita	(b) Jaya	66.		s having highest productivity
	(c) Bala	(d) SR-26B		in rice	
53.	Vikramarya rice variety	is resistant to		(a) Gujrat	(b) Haryana
	(a) GLH	(b) BPH		(c) MP	(d) Punjab
	(c) Rice hopper	(d) Tungo virus	67.	Vector of rice tungo v	irus is
54.	Ajaya rice variety is resis	. ,		(a) Brown hopper	(b) Yellow borer
J T.	(a) Brown leaf hopper	(b) Gall midge		(c) Gall midge	(d) GLH
	(c) Stem rot	(d) Bacterial blight	68.	In which disease of ric	ce Krsek symptom is found
		. ,		(a) Tungo	(b) Khaira virus
55.	Phalguna rice variety is i			(c) Stem rot	(d) Bacterial blight
	(a) BLH	(b) GLH	69.	. ,	elated to which crop plant
	(c) YPH	(d) Gall midge	0).	(a) Barley	(b) Bajra
56.	Total no. of districts of Ir	ndia growing rice are		(c) Wheat	(d) Rice
	(a) 500	(b) 700		. ,	
	(c) 900	(d) 564	70.	•	Rice Research is situated at
57.	The Bio-Herbicide used i	in rice crop is		(a) Meerut, UP	(b) Durgapur, Jaipur
	(a) Devine	(b) Bio-sedge		(c) Cuttack, odisha	(d) Hyderabad, AP
	(c) Both A & B	(d) Collego	71.	-	y caused by a agent in a rice
58.	Golden rice is rich in	- · ·		crop is	
20.	(a) Vit.C	(b) Vit.D		(a) Bacteria	(b) Fungi
	(c) Vit.E	(d) Vit.A		(c) Algae	(d) Nematode
5 0	. ,		72.	World's first super ric	e variety for saline & alkaline
59.	"More for Less" slogan state	of SRI belongs to which		condition is	
	(a) Tripura	(b) Nagaland		(a) Jaya	(b) Padma
	(c) Punjab	(d) Tamil Nadu		(c) Sita	(d) Lunishree
	, ,	* *	73.	'Text book of Rice Ag	ronomy' book is written by
60.		nd responsible for unique		(a) Borlaug	(b) M. S. Swaminathan
	flavor of basmati rice is			(c) CT Patel	(d) Rajndra Prasad
	(a) di acetyl-1-propaline	(b) di acetyl-2-propaline	74.	How much % rice are	own and consumed in Asia
	(c) acetyl-di-propaline	(d) acetyl amine	/ 4.	(a) 80%	(b) 60%
61.	•	grain has more than mm		(c) 70%	(d) 90%
	length	(1) (7	75	. ,	
	(a) 5.5	(b) 6.5	75.	Rice is having protein	
	(c) 4.0	(d) 8.5		(a) 3-4%	(b) 10%
62.		translucent endosperm of		(c) 10-12%	(d) 6-7%
	rice grain are known as		76.	Rice is having fat con	
	(a) belly white	(b) white belly		(a) 5%	(b) 10%
	(c) dark belly	(d) opaque belly		(c) 8%	(d) 2-3%
63.	Largest area occupying s	state of India in rice is	77.		water is required for the
	(a) Tamilnadu	(b) Karnataka		production of one kg	rice
	(c) Rajasthan	(d) West Bengal		(a) 400	(b) 500
64.	Which state was No.1 for	r rice production in india		(c) 4000	(d) 5000
	in 2011		78.	Rice grain is generally	y rich in
	(a) Tamilnadu	(b) Karnataka		(a) Vitamin.D	(b) Vitamin.C
	(c) Uttar Pradesh	(d) Andhra Pradesh		(c) Tryphtophane	(d) Lysine

(d) S-23

(c) Padma

(c) Russia

(d) West-africa

79.	The main protein in ric	e is	93.	Test weight of rice i	s
	(a) Glutin	(b) Zein		(a) 60gm	(b) 70gm
	(c) Keratin	(d) Oryzein		(c) 90gm	(d) 25gm
80.	Most widely used post-	emergent herbicide in rice	94.	Rice stem is otherw	ise known as
	is			(a) Stem	(b) Shoot
	(a) Stomp	(b) Basaline		(c) Haulm(culm)	(d) None of these
	(c) Atrazine	(d) Propanil	95.	Rice crop needs whi	ich type of climate
81.	Which country occupi	es the highest area under		(a) Hot & moist	(b) Hot & cool
	(a) China	(b) Japan		(c) Dry& humid	(d) Hot& humid
	(c) USA	(d) India	96.	Rice is a which type	-
82.	•	highest production of rice		(a) Short day(c) Semi aquatic	(b) C3 plant(d) All of these
	(a) India	(b) USA	97.	Under submerged	condition, how the rice plant
	(c) Japan	(d) China		take atmospheric ox	· · · · · · · · · · · · · · · · · · ·
83.	Genus Oryza is having			(a) Through roots	
	(a) 26	(b) 36		(b) Through stem	
	(c) 34	(d) 24		(c) Through shoot	
84.	Out of 24 species of rice	,the no of cultivated species		(d) aerenchymatous	tissue
	are		98.	In North-west part	of country which crop of rice
	(a) 2	(b) 4		is taken	
	(c) 7	(d) 9		(a) Rabi	(b) Zaid
85.	Indica rice is a			(c) Both A&B	(d) Kharif
	(a) Small stature	(b) Medium stature	99.	TN-1 variety was re	eleased in the year
	(c) Both A& B	(d) Tall stature		(a) 1964	(b) 1949
86.	Indica rice grown in wl	nich climatic condition		(c) 1969	(d) 1966
	(a) Tropical condition	(b) Subtropical condition	100.	First high vielding i	rice variety In the worldis
	(c) Both A & B	(d) Temperate		(a) Jaya	(b) APHR-49
87.	Japonica rice is mainly India	grown in which regions of		(c) TN-1	(d) IR-8
	(a) Tropical	(b) Subtropical	101.	Zn deficiency I rice	was first reported by
	(c) Temperate	(d) Both B & C		(a) Dr.R.S.Paroda	
00	•			(b) Dr.M.S.Swamina	athan
88.	-	what type of plant stature		(c) Dr.(b)P.Pal	
	(a) Large(c) Both A& B	(b) Medium-tall(d) Small		(d) Dr.Y.L.Nene	
00			102.	Literally meaning o	f DEE GEO WOO gene is
89.	Javanica rice is grown			(a) Brown tipped sh	ort legged
	(a) India	(b) Japan		(b) Blue tipped shor	t legged
	(c) Africa	(d) Indonesia		(c) Brown tipped	long legged
90.	Which of the following			(d) Brown tipped	medium legged
	(a) Japonica	(b) Indica	103.		ces the severity of bacterial
	(c) Both A&B	(d) Javanica		disease of rice	J
91.	The Javanica rice is als			(a) P	(b) K
	(a) Aerobic rice	(b) Cultivated rice		(c) Mg	(d) Ca
	(c) Indica rice	(d) Balu rice	104.	First high vielding	semi dwarf variety of rice
92.	Glaberrima rice is main	nly limited to		developed in India	,
	(a) USA	(b) Africa		(a) Bala	(b) Jaya

105.	Jaya variety of rice deve	• •	120.		was first reported in which
	(a) Dr. Kasana	(b) Dr. Swaminathan		year	(1) 10(0
	(c) Dr. Ahalawat	(d) Dr. Shastri		(a) 1966	(b) 1960
106.	Jaya variety of rice is de	•		(c) 1950	(d) 1995
	(a) TN1 X T-141	(b) T-141 X Bala	121.		was first reported at which
	(c) TN1 X Padma	(d) T-141 X Swarna		place	(1) (C : 1)
107.	Mutant variety of rice is			(a) Pantnagar	(b) Coimbatore
	(a) Sattari	(b) Jagannath		(c) Karnataka	(d) Jorhat
	(c) Both A& B	(d) None of the above	122.	Iron toxicity in rice is k	
108.	Variety of rice suitable fo	or direct seeding is		(a) Reddening	(b) Yellowing of leaves
	(a) TKM-1	(b) Bala		(c) Pinking of rice	(d) Browning of rice
	(c) Jaya	(d) IR-8	123.	Which of the following]	practices are related to rice
109.	SITA is the variety of			crop	
	(a) Bajra	(b) Maize		(a) Beushening	(b) Puddling
	(c) Jawar	(d) Rice		(c) Transplanting	(d) All of these
110.	Seed rate of rice in broad	deasting method	124.	The main objective of p	udling is to reduce the
110.	(a) 60kg	(b) 30kg		(a) Weed infestation	(b) Nutrient availability
	(c) 100kg	(d) 80kg		(c) Percolation losses	(d) None of these
111.	Drilling method of sowin	. ,	125.	DAPOG method is intro	oduced from
111.	(a) 90kg	(b) 130kg		(a) Japan	(b) China
	(c) 68kg	(d) 60kg		(c) Egypt	(d) Philipines
112	• •	. ,	126.	Mat type of nursery is r	elated to which crop
112.	Seed rate of hybrid rice			(a) Wheat	(b) Pearl millet
	(a) 30kg/ha(c) 60kg/ha	(b) 40kg/ha (d) 15kg/ha		(c) Barley	(d) Rice
	• •	. ,	127.		. ,
113.	NPK(Kg/ha) recommend		12/,	(a) 3mm	(b) 5mm
	(a) 100:60:60	(b) 100:30:30		(c) 6mm	(d) >7mm
	(c) 120:60:40	(d) 80:30:30	120		. ,
114.	Depth of oxidized zone in		128.	of	cereal is due to deficiency
	(a) 1-5mm	(b) 15-20mm		(a) Fe	(b) Mn
	(c) 30mm	(d) 1-10mm		(c) Zn	(d) Cu
115.	Reduced zone in rice fiel	d is	100		. ,
	(a) <5mm	(b) 5-10mm	129.	1	
	(c) 10mm	(d) > 10mm		(a) Oryza sativa	(b) Oryza glaberrima
116.	N use efficiency of rice co	rop is		(c) Both A& B	(d) None of these
	(a) 30-40%	(b) 50-55%	130.		
	(c) 20%	(d) 23%		(a) Early maturing	(b) Medium maturing
117.	Non symbiotic N-fixing b	oacteria which fixes atm N		(c) Late maturing	(d) None of these
	in rice		131.	Japonica rice is	
	(a) Azospirilium	(b) Xanthomonas		(a) Early maturing	(b) Medium maturing
	(c) BGA	(d) Azotobactor		(c) Late maturing	(d) None of these
118.	In zinc deficiency, rice pl	lant leaves become	132.	TN-1 was developed in	
	(a) Yellow and then dry	(b) Green and then dry		(a) Japan	(b) America
	(c) Brown and then dry	(d) Purple and then dry		(c) Pakisthan	(d) Taiwan
119.	Khaira disease of rice wa	as first reported by	133.	IR-8 was developed by	
	(a) Y. L. Gurjar	(b) M. S. Swaminathan		(a) Henry m. rock	(b) Herajit singh
	(c) Dr. Shastry	(d) Y.L. Nene		(c) NE Borlaug	(d) H. M. Beachel

(c) NE Borlaug

134.	Padma variety of rice developed by reverse cross		148.	Rice provides how many percent of global human	
	of which variety of rice	_		per capita protein	(b) 200/
	(a) T-141	(b) TN-1		(a) 10%	(b) 20%
	(c) Bala	(d) Jaya	4.40	(c) 30%	(d) 15%
135.	Parents of padma variet	•	149.	Ufra disease is caused d	
	(a) TN1 X T-141	(b) T-141 X Bala		(a) Ditylenchus angustus	
	(c) T-141 X Swarna	(d) T-141X TN-1		(b) Rhadophylus	
136.	Bronzing of leaves in ric	ce is due to		(c) Longidorus	
	(a) Fe toxicity	(b) Fe deficiency		(d) Anguinia tritici	
	(c) B toxicity	(d) B deficiency	150.		of different shades from
137.	In rice export theplace of	of india in world is		pale green to dark green	
	(a) 4 th	(b) 6 th		(a) 4 (c) 6	(b) 5 (d) 8
	(c) 3 rd	(d) 1 st		` '	
138.	Iron toxicity is the major in which type of soil	problem to rice production	151.	submerged rice because	
	(a) Alkaline soil	(b) Neutral soil		(a) Nutrient uptake	(b) Water use
	(c) Both A&B	(d) Highly acidic soil		(c) Aeration	(d) Variety
	` '	· / 2 3	152.	In Dapog nursery me	ethod adopted in paddy
139.	Butachlor application ti			_	e transplanted at the age
	(a) PPI	(b) Post-emergence		of days	
	(c) Fallow application	(d) Pre-emergence		(a) 8	(b) 14
140.	V-shaped rice cultivatio	n is give by		(c) 20	(d) 25
	(a) Yoshida	(b) (c) T. Patel			
	(c) Y. L. Ping	(d) Matsushima		CROP: W	/HEAT
141.	V-shaped rice cultivation	n was developed in the year	153	In India, gene bank of w	heat is located at-
	(a) 1978	(b) 1992	130.	(a) IARI, New Delhi	(b) Ludhiana
	(c) 1970	(d) 1967		(c) Kanpur	(d) Karnal
142.	Ideal age for transplant	ing rice seedling at	154.	. ,	op rotations, which is good
	(a) 1-2 leaves	(b) 10-12 leaves	134.	for increasing soil nutrie	-
		(d) 4-5 leaves		(a) Groundnut-wheat	(b) Rice-wheat
143	Hopper burnt symptom	is due to		(c) Pearlmillet-Wheat	(d) Sorghum-Wheat
140.	(a) Brown plant hopper	(b) Green leaf hopper	155		anisation working for the
	(c) Black plant hopper	(d) aphids	133.	improvement of-	inisation working for the
144				(a) Rice and Cotton	(b) Pulses and Oilseeds
144.	Parallel white streaks of			(c) Dryland Agriculture	(d) Wheat and Maize
	(a) Rice hispa	(b) Gall midge	156	In dwarf wheat, sowing	
	(c) yellow stem borer	(d) Rice caseworm	150.	(a) length of radicle	(b) length of coleoptile
145.	Rice covers how much world	% of total arable area of		(c) humidity	(d) temperature
	(a) 5%	(b) 6%	157.		d to kill broad leaf weeds
	(c) 9%	(d) 10%		in wheat-	(L) 245 T
146.	Rice provides how man per capita energy	y percent of global human		(a) 2,4-(d)S.S. (WPSS) (c) 2,4-DB	(b) 2,4,5-T(d) None of these
	(a) 20%	(b) 15%	158.	Production target of who	eat for the year 2014-15 is-
	(c) 25%	(d) 21%		(a) 94 mt	(b) 92 mt
147.	` '	of rice is trade of world's		(c) 90 mt	(d) 96 mt
17/.	rice from india	or rice is trade of world s	159.	Indicator plant for copp	er is-
	(a) 10%	(b) 20%		(a) Maize	(b) Wheat
	(c) 25%	(d) 6-7%		(c) Sorghum	(d) Potato
	* /	× /			

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160.	Directorate of Wheat Research(DWR) is located at-		173.	Herbicide avadex is	used in which crop?
	(a) Hyderabad	(b) New Delhi		(a) Cotton	(b) Wheat
	(c) Karnal	(d) Bikaner		(c) Rice	(d) None of these
161.	The first wheat variety lodging resistant and hig	having short plant height, her grain yield was	174.	What is the recommendation the herbicide metsu	mended rate of application of lfuron in wheat?
	(a) Norin-10	(b) Lerma Rojo 64 A		(a) 4g/ha	(b) 10g/ha
	(c) Sonaro-64	(d) None of these		(c) 16g/ha	(d) 20g/ha
162.	Maximum area under w		175.	The herbicide Car weeds in-	fentrazone is used to control
	(a) India	(b) China		(a) Wheat	(b) Maize
	(c) USA	(d) Russia		(c) Paddy	(d) Cotton
163.	Which of the followin cultivated area in the wo	g crop has the highest rld?	176.	,	erature for wheat germination
	(a) Rice	(b) Wheat		is-	
	(c) Barley	(d) Bajra		(a) 25-27 °C	(b) 20-22 °C
164.	The most suitable variet	y for late sow condition is-		(c) 15-17 °C	(d) $10-12$ °C
	(a) Kalyansona	(b) Sonalika	177.	Loose smut of whea	t is a disease –
	(c) Raj.3077	(d) WH-147		(a) Internally seed b	orne
165.	Triticale is a cross betwe	en-		(b) Air-borne	
	(a) wheat and rye	(b) oat and barley		(c) Soil – borne	
	(c) wheat and barley	(d) None of these		(d) Externally seed b	oorne
166.	Wheat germinationy(90	%) takes place after how	178.	The sowing depth of	f dwarf wheat varieties is-
1000	many days?	, v) varies prace area non		(a) 6-7 cm	(b) 2-3 cm
	(a) 3-4	(b) 4-5 (c) 5-6 (d) 4-8		(c) 4-5cm	(d) 5-6 cm
167.	In case of availability of 2 irrigations for wheat, most critical stages for irrigation is-		179.	Stem melanosis dis	sease occur in wheat due to
	(a) CRI stage and flowering			(a) Mn	(b) Cu
	(b) Flowering and grain formation			(c) Si	(d) Zn
	(c) Joint and dough(d) Tillering and flowerin	g.	180.	Optimum temperat	ure range for sowing of wheat
169	Recommended seed rate			(a) 10-15 °C	(b) 15-20 °C
100.	(a) 150-200 kg/ha	(b) 80-100 kg/ha		(c) 20-25 °C	(d) 25-30 °C
	(c) 60-80 kg/ha	(d) 125- 150 kg/ha	181.		
1.00	.,	. ,	101.	(a) 4.5 °C	(b) 7.0 °C
169.	tillers per square metre	d of wheat, the number of required is-		(c) 8.5 °C	(d) 10.0 °C
	(a) 100	(b) 250	182.		will require maximum seed to
	(c) 500	(d) 750	102.	sow one hectare are	-
170	Loose smut of wheat is c	. ,		(a) Wheat	(b) Maize
170.	(a) Xanthomonas oryzae	(b) Ustilago Tritici		(c) Rice	(d) Gram
	(c) Puccinia graminis	(d) Puccinia recondita	183		n of Karnal bunt of wheat is-
151	. ,		105.	(a) Neovosia indica	ii of Karnar bunt of wheat is-
171.	which plant disease of w seed treatment with hot	wheat can be controlled by		(b) Macrophomina p	nhaseolina
	(a) Rust	(b) Loose smut		(c) Tilletia caries	on a second
	(c) Bunt disease	(d) None of these		(d) Puccinia gramini	is
172	. ,		101		
172.	wheat?	for control of termite in	184.	crop-	tion Index is highest for which
	(a) Rogor	(b) Chlorpyriphos		(a) Paddy	(b) Wheat
	(c) Monocrotophos	(d) None of these		(c) Maize	(d) Sugarcane

185.	Which state of India lea	ads in area under wheat	197.	7. National average productivity of wheat is- (a) 1.2-1.4 t/ha (b) 2.0-2.4 t/ha	
	(a) Rajasthan	(b) U.P.		(c) 3.0-3.5 t/ha	(d) 5.0-5.5 t/ha
	(c) Punjab	(d) M.P	198.	Most prominent crop us	ed under mixed cropping
186.	The centre of origin of Tr	riticum aestivum is-		of wheat is-	11 8
	(a) Near eastern region	(b) Mediterranean centre		(a) Mustard	(b) Chickpea
	(c) South Mexican centre	(d) Chilean centre		(c) Linseed	(d) All of these
187.	Number of Wheat growing	ng zones in India is-	199.	Most commonly followed	l wheat sowing method is-
	(a) 4	(b) 6		(a) Sowing behind plough	• •
	(c) 10	(d) 15		(c) Dibbling	(d) None of these
188.	Most important and prod zone is-	uctive wheat contributing	200.	time for sowing wheat?	on which is the optimum
	(a) North western plains	(b) North eastern plains		(a) 1st fortnight of Oct	(b) 2nd fortnight of Oct
	(c) Central zone	(d) Peninsular zone		(c) 1 st fortnight of Nov	(d) 2 nd fortnight of Nov
189.	Percentage area share cultivation in India is-	e of T.aestivum wheat	201.	Under rainfed condition for wheat is-	, optimum time of sowing
	(a) 87	(b) 60		(a) 1st fortnight of Oct	(b) 2nd fortnight of Oct
	(c) 12	(d) 69		(c) 1st fortnight of Nov	(d) 2nd fortnight of Nov
190.	Best suited soils for cultiv		202.		duces best quality wheat?
170.	(a) Loamy soils	(b) Clay loamy soils		(a) North India	
	(c) Both a and b	(d) Clay soils		(b) Peninsular India	147
101	First dwarf wheat varie	•		(c) Maharashtra, Gujarat,	M.P
191.	in India during 1965 is-	ty released commerciany		(d) both b and c	
	(a) Sonaro 64	(b) Lermaroja 64 A	203.	Which is called as King of	
	(c) Sonaro 63	(d) Both a and b		(a) Wheat	(b) Rice
192.	Taestivum is exclusively s	. ,	•••	(c) Maize	(d) Sorghum
1,2.	(a) North western plain zo		204.	Grain to straw ratio in n varieties is-	nost of the Mexican wheat
	(b) North eastern plain zo			(a) 1:1	(b) 2:1
	(c) both a and b			(c) 3:1	(d) 1:2
	(d) Northern hill zone		205		nportant grain crop in the
193.	Which of the following	wheat variety is drought	203.	world?	iportant grain crop in the
	resistant?			(a) Wheat	(b) maize
	(a) Narmad 4	(b) K 68		(c) sorghum	(d) barley
	(c) NP 890	(d) All of these	206.	Cultivation of durum wl	heat is primarily confined
194.	Which of the following	wheat variety with more		to –	
	gluten and is suitable for	biscuit making?		(a) Central India	
	(a) Sonalika	(b) HD 2285		(b) Southern India	
	(c) PBW 175	(d) All of these		(c) Central and Southern	India
195.		without affecting seed		(d) U.P hills	
		n of soil moisture and	207.		
	Increased temperature is			(a) Karnal bunt	(b) Loose smut
	(a) Halua	(b) HD 2402		(c) Brown rust	(d) Yellow rust
	(c) HD 2189	(d) Both a and b	208.		of crop
196.		ilizer for higher wheat		(a) C3 & LDP	
	production is-	(la) A mane		(b) C4 & LDP	.D
	(a) CAN	(b) Ammonium sulphate		(c) Both C3 & C4 but SD(d) Depends on the variet	
	(c) both a and b	(d) Urea		(a) Depends on the variet	y

209.	The type of internodes in (a) Tapered and hollow	wheat is (b) Angular and solid	221.	Which one is the most cri in oat	itical	period for irrigation
	(c) Cylindrical and solid	(d) Cylindrical and hollow		(a) Tillering	(b)	CRI
210.	Short days increases of w	heat nlant		(c) Jointing	(d)	Flowering
210.	(a) Vegetative growth	(b) Flowering period	222.	The normal seed rate of	oat is	,
	(c) Maturity	(d) All of the above		(a) 50 kg/ha	(b)	60kg/ha
211	. ,			(c) 100kg/ha	(d)	125kg/ha
211.	(a) Triploid	ning A, B& D genomes are (b) Diploid	223.	Grey speck disease of oat	t is di	ue to
	(c) Hexaploid	(d) None of these	220.	(a) Mn	(b)	
	•			(c) Cu	` /	Mg
212.	Black rust of wheat is can	•	224.		(4)	1118
	(a) Puccinia graminis	(b) Puccinia striformis	224.	(a) Avena fatua	(b)	Sarahum biaalar
	(c) Puccinia recondita	(d) all the above		(c) Panicum miliacium		Sorghum bicolar Avena sativa
213.	In karnal bunt, black po	wder gives foul smell due	225		. ,	Avena sativa
	to presence of		225.	8		Easton Africa
	(a) dimethyl amine	(b) trimethyl amine		(a) Asia minor	` /	Eastern Africa
	(c) trimethyl amine	(d) dimethyl amine		(c) India	(a)	Ethiopia
214.	1 0	cultivated wheat is best	226.	Leaf of oat is		
	represented as			(a) Sessile	. ,	Petiolate
	(a) Hexaploid	(b) Tetraploid		(c) Both	(d)	None of these
	(c) Segmental hexaploid	(d) None of these	<i>227</i> .	Avena sativa is		
215.	The other name of Tritic	um tauschii is		(a) Diploid		Tetraploid
	(a) Ageilops squarrosa			(c) Hexaploid	(d)	Heploide
	(b) Ageilops speltoides		228.	Grey speck disease of oat	t is du	ue to
	(c) Agropyron			(a) Virus	(b)	Bacteria
	(d) Triticum monococcum	1		(c) Fungus	(d)	Nutritional
			229.	The critical stage for the irrigation of oats		
	CROP: O	ATS		(a) Tillering	(b)	Flag leaf
216.	The optimum temperatu	re range for sowing of oat		(c) Flowering	(d)	Booting
	is	8	230.	Shoot of oat is		
	(a) 10-12°C	(b) 15-20°C		(a) Hollow		
	(c) $12-15^{\circ}C$	(d) 25-30°C		(b) Solid except at nodes		
217.	The Inflorosence in Avenue	a sativa is called		(c) Solid		
	(a) Siliqua	(b) Panicle		(d) Hollow except at node	es	
	(c) Spike	(d) Ear				
210	Oat crop planted at a	. ,		CROP: M	AIZ	E
210.	haveplants/ha	spacing of 20^10cm win	231.	Botanical name of Maize		
	(a) 5,00,000	(b) 1,00,000		(a) Oryza sativa	(b)	Zea mays
	(c) 1,25,000	(d) 2,50,000		(c) Sorghum bicolour	(d)	Pennisetum glaucum
219.	The recommended seed		232.	Maize is originated from		
217.	kg/ha	Tate for var is		(a) China	(b)	India
	(a) 50-60	(b) 12-15		(c) Mexico	(d)	Japan
	(c) 15-18	(d) 75-90	233.	Most critical stage of wat	ter in	Maize cron is
220				(a) Tasselling stage		Silking stage
220.	Oat crop needs (a) Warm and humid clim	ate		(c) Both a and b		Dough stage
	(b) Hot and humid climate		234.		` '	
	(c) Dry and hot condition		<i>2</i> 34.	(a) 22 °C	_	ving crop in maize 40 °C
	TO LET Y GIRGING CONTRIBUTION	. 7		141 44 \	1111	TU V

(c) 32 °C

(d) Cold and dry climate

(d) 36 °C

235.	Common herbicide use	ed in Maize	250.	Rabi Maize yield are	higher than Kharif Maize
	(a) Atrazine	(b) Simazine		yield, because	
	(c) Isoproturon	(d) 2,4- D		(a) Better water manag	•
236.	First hybrid maize			(b) Better sunshine with	
	(a) Deccan-103	(b) Prabhat		respiration	perature and reduce photo
	(c) COH -3	(d) Ganga – 1		(d) All of these	
237.	Double cross technique	es of production of Maize	0.71		
	introduced by		251.	in south India, which inter cropped with Ma	of the following crop can be
	(a) N.E. Borlang	(b) D. F. Jones		(a) Fenugreek	(b) Coriander
	(c) Mendal	(d) GH Shull		(c) Cluster bean	(d) All of these
238.	On Maize plant first ap	pearance is of	252	,	
	(a) Silk	(b) Leaves	252.	<i>J</i> 1	(b) Flint corn
	(c) Tassel	(d) Nodes		(a) Dent corn(c) Pop corn	(d) Flour corn
239.	Maize is normally a			•	. ,
	(a) Monoecious	(b) Diecious	253.	Rabi Maize are higher	_
	(c) Hexaploid	(d) Tetraploid		(a) Higher leaf are inde	
240.	Maximum root zone d	epth for Maize		(b) Higher number of c	_
	(a) 200-300 mm	(b) 400-600 mm		(c) Higher number of g(d) All of these	grain / coo
	(c) 500-600 mm	(d) 350-450 mm			
241.	Protein content of Mai	ze	254.	-	ater(mm/ day) in Maize is
	(a) 10%	(b) 8%		(a) 1.0-2.0	(b) 2.0-3.0
	(c) 12%	(d) 11%		(c) 2.5-4.3	(d) 4.3-6.0
242.	Water requirement in	Maize	255.		nutritional source of Maize
	(a) 400-500mm	(b) 600- 800 mm		imported from USA is	(l-) E1 2
	(c) 500-800 mm	(d) 600- 700 mm		(a) Opaque -2	(b) Floury- 2
243.	Seed rate of hybrid Ma	. ,		(c) Both a and b	(d) UZU
275.	(a) 25 kg/ha	(b) 20 kg/ha	256.		ybrid/composite released in
	(c) 24 kg/ha	(d) 26 kg/ha		India?	(b) HODM 1
244	Which corn is mostly c	. , .		(a) Shaktiman 2(c) Shakti 1	(b) HQPM 1(d) All of these
244.	(a) Pod corn	(b) Soft corn			. ,
	(c) Flint corn	(d) Waxy corn	257.	•	ent in
245	* *	• •		(a) Lysine	
245.	Average Maize yield in	(b) 1800 kg/ha		(b) Betadine	204
	(a) 1000 kg/ha(c) 2500 kg/ha	(d) 4000 kg/ha		(c) Lysine and tryptoph(d) Tryptophan	ian
	. ,	. ,			
246.	•	ns well at low fertility level is	258.	•	in the soil in p H ranging
	(a) Pusa hybrid 1	(b) Pusa hybrid 2(d) Vivek 5		from (a) 4.5- 6.5	(b) 6 9 5
	(c) Both a and b			(a) 4.3-6.3 (c) 5.5 – 7.5	(b) 6- 8.5 (d) 7.5 – 8.5
247.		or hybrid and composites of	250		
	Maize are	(b) 120 90 lrg/hg	259.	Percentage protein in	O
	(a) 80, 120 kg / ha	(b) 120, 80 kg/ha		(a) 2	(b) 5
	(c) 100, 60 kg / ha	(d) 60, 100 kg/ ha		(c) 10	(d) 9.2
248.	White bud of Maize sy	•	260.	•	
	(a) Zn	(b) Cu		(a) Shakti	(b) Vikram
	(c) Mo	(d) N		(c) Jawahar	(d) Protina
249.	•	competition in Maize is	261.	Which crop is called "	queen of cereal".
	(a) 0-30 days	(b) 30-45 days		(a) Rice	(b) Wheat
	(c) 45-60 days	(d) None of these		(c) Maize	(d) Barley

(c) Maize

(d) Barley

262.	Which one of the follow to both excess moisture	wing crops is most sensitive e and drought	274.	Which of the short suitable for rainfed co	duration sorghum variety ondition
	(a) Direct seeded rice	(b) Maize		(a) CSH1	(b) CSH3
	(c) Sunflower	(d) Sorghum		(c) Both a&b	(d) None of these
263.	field without causing l	control grasses in maize narm to the crop plants, as	275.	more problem in sorg	
	_	mical in maize plant occurs		` '	nent (b) Weed management
	due to the presence of	(h) CSH		(c) Water management	t (d) Bushening
	(a) R-Q enzyme(c) Aryl acyl amidase	(b) GSH enzyme(d) Amylase	276.	Sorghum is considered	d as camel crop because of
		•		(a) deep root system	
264.	is	during all the three seasons		(b) Resistance to droug(c) Shallow root system	
	(a) Urd	(b) Sorghum		(d) Nutrient exhaustive	
	(c) Maize	(d) Moong	255		
265.	Which cereal is not till	ering in nature?	211.	For kharif season seed	_
	(a) Maize	(b) Wheat		(a) 8-10kg/ha	(b) 10-12kg/ha
	(c) Barley	(d) Paddy		(c) 15-20kg/ha	(d) 20-25 kg/ha
266.		vild form now in any form al part resembling those of	278.	Most suitable time fo India is	or sowing sorghum in North
	presently grown form	ar part resembling those of		(a) June 1 st week	(b) June last week
	(a) Maize	(b) Wheat		(c) July 1 st week	(d) July last week
	(c) Barley	(d) Paddy	279.	The Directorate of so	orghum Research Institute is
267.	The gold of America is	•		located at	
207.	(a) Maize	(b) Wheat		(a) Cuttak	(b) Coimbatore
	(c) Bajra	(d) Sorghum		(c) Hyderabad	(d) Bangalore
268.	. , ,	ated maize type in India is	280.	Most commonly following	lowed method of planting
200.	(a) Flint corn	(b) Dent corn		sorghum in India is	
	(c) Soft corn	(d) Sweet corn		(a) Direct seeding in re	ows
	(c) Boil com	(d) Sweet com		(b) Transplanting on ra(c) Direct seeding in p	
	CROP: SO	RGHUM		(d) Transplanting in st	
269.	The centre of origin of	sorghum is	201		_
	(a) India and Africa	(b) America	281.	0 •	y of sorghum for striga is
	(c) South America	(d) None		(a) SPV-104	(b) SPV922
270.	Best suited soil for sorg	hum cultivation is		(c) SAR-2	(d) CSH-5
	(a) Clay loam	(b) Loam	282.	Test weight of sorghu	m is
	(c) Clay	(d) All of these		(a) 20-25g	(b) 25-30 g
271.	The seed rate of sorghi			(c) 30-35 g	(d) 70-72 g
2/1.	(a) 8-10kg/ha	(b) 10-12 kg/ha	283.	Soil sickness is caused	l by
	(c) 15-18 kg/ha	(d) 20-25 kg/ha		(a) Maize	(b) Jowar
272	. ,	. ,		(c) Linseed	(d) Both b&c
272.	ranges	e for growth of sorghum	284.	The cron which know	n as a King of course cereals
	(a) 21-370C	(b) 26-300C	2011	is	and writing or course cereans
	(c) 20-250C	(d) None of these		(a) Bajra	(b) Sorghum
272	* *			(c) Maize	(d) Rice
2/3.	Hybrid sorghum mo cropping is	re suitable under mixed	285.		able both grain and fodder is
	(a) CSH1	(b) CSH 2	405.	(a) CSV15	(b) CSH 13
	(c) CSH 6	(d) CSH 7		(a) CSV13 (c) Both a & b	(d) None of these
	(-)	\		(V) Domack U	TOTAL TRUTTE OF HICSE

(c) Both a & b

(d) None of these

(d) 5141A & 23 D2 B

(c) 5141A & 23 DB

(c) 10-15%

(d) 20-25%

286.	286. Critical stage of sorghum which reduces the yield due to drought is		CROP: PEARL MILLET (BAJRA)		
	(a) Flowering	(b) Grain filling	300.	The male sterile line in b	paira was discovered by
	(c) Seedling	(d) Both a&b		(a) GW Burton	(b) NE Borlaug
287.	weedicide used in sorghu	m cultivation is		(c) FW Gardener	(d) None of these
	(a) Pendimethalin	(b) 2,4,D	301.		
	(c) Atrazine	(d) All	301.	(a) 1950	(b) 1975
288.	The right time of harvest			(a) 1930 (c) 1985	(d) 1975 (d) 1995
200.	(a) 150-160days	(b) 180-190 days	• • •		
	(c) 100-115 days	(d) 60-80 days	302.	·	-
200	. ,	. ,		(a) 1965	(b) 1975
289.	sorghum	ving is a variety of sweet		(c) 1985	(d) 1995
	(a) CSV 15	(b) CSH 13	303.	HB-1 bajra was develop	-
	(c) SPV 462	(d) RSVV 46		(a) Tift $23A \times J-104$	(b) $5141 \text{ A} \times \text{J-}104$
290.	Higher yield of sorghum			(c) $5054 \text{ A} \times \text{J-}104$	(d) Tift $23A \times Bil 38$
290.	(a) Use of higher dose of	· ·	304.	The optimum pH for cul	ltivation of barley is
	(b) Adequate amount of N			(a) 4-6	(b) 5-6.5
	(c) No nitrogen application			(c) 6-7	(d) 7-9
	(d) Closer planting		305.	Test weight of bajra is	
291.	The inflorescence in sorg	hum is		(a) 15-20gm	(b) 8-12 gm
2/1.	(a) Siliqua	(b) Head		(c) 20-25 gm	(d) 12-15 gm
	(c) Ear	(d) Spikelet	306.	The recommended dose	of NPK for hybrid bajra is
202	The sowing depth of sorg	• •	000.	(a) 60-40-40	(b) 100-60-40
292.	(a) 1-2cm	(b) 3-4 cm		(c) 30-20-30	(d) 40-30-40
	(c) 4-5 cm	(d) 4-5 cm	307.		of NPK for rainfed bajra
202	. ,		307.	is	of New Ior Familieu Dajra
293.	The protein content of so			(a) 60-40-40	(b) 100-60-40
	(a) 25-30% (c) 10-12%	(b) 15-20% (d) None		(c) 30-20-30	(d) 40-30-40
20.4	` '		308.		opulation per hectare of
294.	characteristic symptom o		300.	bajra is	•
	(a) Shoot fly	(b) Sorghum midge		(a) 50,000 plants	(b) 1,00,000 plants
	(c) Stem borer	(d) Ear head bug		(c) 1,50,000 plants	(d) 2,00,000 plants
295.	The holes at the base of to (a) Stem borer	e peduncle is due to? (b) Midge	309.	Maximum yield of baji geometry of	ra is obtained at a plant
	(c) Shoot fly	(d) Termites		(a) $45 \times 15 \text{ cm}$	(b) $60 \times 15 \text{ cm}$
296.	Toxic limit of HCN in sor	ghum leaves		(c) 45×25 cm	(d) $60 \times 20 \text{ cm}$
	(a) 100ppm	(b) 200ppm	310.	The best observed pH fo	r bajra cultivation is
	(c) 400ppm	(d) 600ppm		(a) 5.0-5.5	(b) 6.0-7.5
297.	**	sorghum Improvement		(c) 7.5-8.5	(d) 8.5-9.5
271.	Project started in	sorghum improvement	311.	Wherever one irrigatio	n is available, the bajra
	(a) 1969	(b) 1965	0110	crop should be irrigated	
	(c) 1972	(d) 1980		(a) Late booting to early	flowering
298.	Dual purpose sorghum v	ariety is		(b) Tillering stage to earl	•
	(a) CSV 1	(b) CSV 13		(c) Flowering stage	
	(c) CSH 1	(d) CSH 2		(d) Milking stage	
299.	Sugar content of sweet so		312.	Pearl millet BK560-230	is a cross from
<i>=))</i> •	(a) 6-7%	(b) 8-10%	•	(a) 5141A & J 104	(b) 5141A & D 230
	(a) 10 159/	(d) 20 259/		(c) 5141A & 23 DB	` '

313.	The male sterile line pres	ent in bajra hybrid HHB	325.	Barley crop at a spacing plant population of p	
	(a) MS 5141A	(b) MS 5054A		(a) 5,00,000	(b) 1,00,000
	(c) Tift 23A	(d) MS 5071 A		(c) 1,25,000	(d) 2,50,000
314.	The first inter-specific hy carried out during the ye	•	326.	The recommended seed in	rate for barley is Kg/
	(a) 1941	(b) 1954		(a) 8-10	(b) 12-15
	(c) 1965	(d) 1975		(c) 15-18	(d) 75-90
315.	In kera method of bajra s (a) By hand behind the pla	0	327.	The identified critical sta is	ge for irrigation in barley
	(b) By funnel behind the p	olough in furrows.		(a) Tillering	(b) Flag leaf stage
	(c) By seed drill			(c) Both of these	(d) Maturity
	(d) All the above		328.		ritical stage for irrigation
316.	In pora method of bajra	sowing the seed is drilled		in barley	(L) CDI
	by			(a) Tillering	(b) CRI
	(a) By hand behind the plo			(c) Jointing	(d) Flowering
	(b) By funnel behind the p	plough in furrows	329.	In two row barley spi	
	(c) By seed drill(d) All the above			(a) Central	(b) Left
24=				(c) Right	(d) All
317.	The protein content in ba		330.	In six row barley spi	
	(a) 12%	(b) 8%		(a) Central	(b) Left
• • •	(c) 14%	(d) 15%		(c) Right	(d) All
318.	The centre of origin of ba		331.	Barley crop needs	
	(a) Asia and Ethiopia	(b) America		(a) Warm and humid clim	
	(c) S Africa	(d) None		(b) Hot and humid climate	
319.	In India the highest prod			(c) Dry and hot conditions	S
	(a) Punjab	(b) UP		(d) Cold and dry climate	
	(c) West Bengal	(d) None	332.		
320.	Area under barley c approximately			(a) Long day(c) Day neutral	(b) Short day(d) Intermediate
	· /	(b) 1.84 mha	333.	The seed rate of barley in	broadcasting and drilling
	(c) 5.0 mha	(d) 2.9 mha		is	(1) (0.1001 //
321.	Optimum temperature to ranges from			(a) 100,60 kg/ha(c) 45, 100 kg/ha	(b) 60,100 kg/ha (d) 100,45 kg/ha
	(a) 21-37 °C	(b) 28-30 °C	334.	The normal seed rate of l	·
	(c) 20-25 °C	(d) None		(a) 50 kg/ha	(b) 75 kg/ha
322.	Which of the following			(c) 100 kg/ha	(d) 125 kg/ha
	more problematic in barl (a) Fertilizer management		335.	8	rley crop should be given
	(b) weed management			at () CDL +	(1) T'11 '
	(c) Water management			(a) CRI stage	(b) Tillering stage
	(d) beushening			(c) Jointing stage	(d) Dough stage
323.	The optimum temperatur	re for sowing of harley is	336.	8	temp is ideal for tillering
<i>523</i> .	(a) 10-12°C	(b) 15-20°C		in barley (a) 10-15°C	(b) 16-20°C
	(c) 12-15°C	(d) 25-30°C		(a) 10-13 C (c) 20-23°C	(d) 23-25°C
324	Most suitable temperatur		227		
<i>∪</i> <u> </u>	(a) 32°C	(b) 25°C	337.	The depth of sowing of b (a) 1-2cm	(b) 3-5cm
	(c) 37°C	(d) 12-15°C		(c) 6-8cm	(d) 5-6cm

338.	is a variety of ba	urley suitable for chapatti	351.	About %	% of global chickpea area falls
••••	making	and a compact	0010	in India	v v1 g.v v
	(a) Amber	(b) RD 137		(a) 60%	(b) 75%
	(c) Neelam	(d) Rajkiran		(c) 90%	(d) 37%.
339.	is a nematode resis	stant variety of barley	352.	Cicer word derived	from
	(a) Amber	(b) RD 137		(a) Latin	(b) Dutch
	(c) Neelam	(d) Rajkiran		(c) France	(d) Greek.
340.	is a six row variet	ty of barley	353.	Protein content of ch	nickpea is
	(a) Amber	(b) RD 137		(a) 17-21%	(b) 23%
	(c) Neelam	(d) Rajkiran		(c) 25-26%	(d) 31%.
341.	Leaf of barley is		354.	Largest producer of	chickpea is
	(a) Sessile	(b) Petiolate		(a) Madhya Pradesh	(b) Maharashtra
	(c) Both	(d) None of these		(c) Andhra Pradesh	(d) Karnataka
342.	Spike of barley is borne	on	355.	Origin of chickpea is	S
	(a) Uppermost node	(b) Lower most node		(a) Mediterranean re	gion of Europe & West Asia
	(c) Middle nodes	(d) None of these		(b) South West Asia	
343.	Ratna variety of barley	tolerant to saline alkaline		(c) Ethiopia	
	conditions is released fro	om		(d) South Mexico &	Central America
	(a) Phillipines	(b) Taiwan	356.		inated Pulses Improvement
	(c) Malaysia	(d) IARI		Project was started i	·
344.	Is a salt tolerant v	ariety of barley		(a) 1962	(b) 1975
	(a) Amber	(b) RD 137		(c) 1967	(d) 1986.
	(c) Neelam	(d) Rajkiran	357.	Avrodhi variety of cl	_
345.	Is a variety of bar	-		(a) Wilt	(b) Aschochyta blight
	(a) Amber	(b) RD 137		(c) collar rot	(d) stem rot.
	(c) Neelam	(d) Rajkiran	358.	Gaurav is resistant t	
346.	Which among the millet			(a) Dry root rot	(b) Aschochyta blight
	(a) Finger millet	(b) Kodo millet		(c) Wilt	(d) Stem rot
	(c) Foxtail millet	(d) Branyard millet	359.	Rhizobium strain ef	•
347.	The coarsest millet is			(a) Rhizobium legum	nnoserum
	(a) Panicum milacium			(b) R. Japonicum(c) Both of them	
	(b) Paspalum scrobiculat	um		(d) None of them.	
	(c) Setaria italica(d) Echinocloa frumentad	2000	360		onsible for the sour taste of
2.40			300.	chickpea leaves	onsidie for the sour taste of
348.	8 1			(a) Malic acid	(b) Oxalic acid
	(a) small millet(c) finger millet	(b) Kodo millet(d) little millet		(c) Citric acid	(d) All of them.
2.40	()	(d) Intile Inflict	361.	Desi type of the chic	ckpea contain high amount of
349.	AICRP on small millets	(b) Hydrahad		the pigment	,
	(a) Banglore(c) Nagpur	(b) Hydrabad(d) Mao		(a) Xanthophyll	(b) Anthocyanin
	(c) Nagpui	(u) Iviao		(c) Carotene	(d) All of them.
	PULS	ES	362.	Key pest of chickpea	ıis
	CROP: CH			(a) Aphid	(b) Termites
350.	Percent share of chickr	oea in total production of		(c) Gram pod borer	(d) Semilooper.
	India	p-044404	363.	Malic acid content o	f chickpea is
	(a) 30-40%	(b) 15-16%		(a) 90-96%	(b) 4-9%
	(c) 40-50%	(d) 10-12%.		(c) 70-80%	(d) 87%.

364.	Seed rate of kabuli type	_	378.	Best variety of chickper		-
	(a) 40-50 kg/ha(c) 80-100 kg/ha	(b) 120-150 kg ha (d) 60-75 kg ha		(a) Chaffa(c) Vishal	. ,	C-235 JJ-11.
265	. ,	. ,	250		(u)	33-11.
365.	O	nt variety of chickpea is\	379.	•	(b)	Pea
	(a) Vishal(c) Annigere	(b) JJ-11 (d) ICCV-10.		(a) Pigeon pea(c) Gram	()	Lentil.
	.,		200			
366.	Delayed sowing in chick	•	380.	Optimum sowing time		
	(a) Restriction of Vegeta	ative growth		(a) 15 Oct. to 20 Oct	. ,	End of Nov
	(b) Decrease in BNF	- 11		(c) SeptOct	. ,	August-Sept. C
	(c) Incidence of Gram p(d) All of them.	od borer	381.	Seed bed for gram shou		T.'
				(a) Rough	. ,	Fine
367.	Nipping is done at			(c) Well drained	(d)	Ridge bed
	(a) 20-25 DAS		382.			
	(b) 30-40 DAS	•		(a) summer crop	. /	Kharif crop
	(c) Exactly 3 weeks after(d) After flowering.	er sowing		(c) Rabi crop	(d)	None of them
260	• •					
368.	(a) Chicken pox	ickpea is used for curing (b) Allergy		CROP: PIG	EON	PEA
	(c) Indigestion	(d) None of them.	383.	Botanical name of Arha	ar is	
260	, ,			(a) Cajanas cajan var. f		
369.	Spacing for desi type of	-		(b) C. cajan var. bicolor	•	
	(a) 30x10(c) 45x10	(b) 25x20 (d) 30x20.		(c) Cajanas cajan		
	· /			(d) None of them		
370.	Largest producer of chi	-	384.	8		
	(a) Brazil	(b) India		(a) Africa	. ,	Brazil
	(c) China	(d) Africa		(c) India	(d)	Turkey
371.		d by weeds in chickpea is	385.	Temperature for germi	nation	is
	(a) 28.7%	(b) 30-40%		(a) 30-35OC	(b)	20-25OC
	(c) 38%	(d) 49.5%.		(c) 17-21oC	(d)	above 35OC
372.	Seed weight of kabuli c	hickpea is	386.	Temperature for growt	h is	
	(a) 17-26g	(b) 26g		(a) 17-21OC	(b)	20-25OC
	(c) >26g	(d) none of them.		(c) 10-15oC	(d)	None of them
373.	Besan is produced from	1	387.	Sowing time of Arhar is	S	
	(a) Mung bean	(b) Gram		(a) 15th June	(b)	April-May
	(c) Lentil	(d) Red gram.		(c) End of July	(d)	None of them
374.	Which state has highest	t average yield/ha of Gram	388.	Spacing for short dura	tion A	rhar is
	(a) Madhya Pradesh	(b) Maharashtra		(a) 45x20		45x30
	(c) Andhra Pradesh	(d) Uttar Pradesh.		(c) 60x15	(d)	90x 30
375.	Root system of gram is		389.	Seed rate for Arhar is		
	(a) Fibrous root	(b) Tap root		(a) 8-10kg/ha	(b)	12-15kg/ha
	(c) both of them	(d) None of them.		(c) 20-25kg/ha	(d)	18-20kg/ha
376.	Pollination type of gran	n is	390.	Proportion of seeds to j	ods is	
	(a) self pollinated	(b) open pollinated		(a) 50-60%	(b)	30-40%
	(c) cross pollinated	(d) None of them.		(c) 70%	(d)	65-70%
377.	Deep sowing of gram is	protection of	391.	Highest production in t	he sta	te
	(a) Wilt	(b) Blight		(a) Uttar Pradesh	(b)	Karnataka
	(c) Root rot	(d) Collar rot.		(c) Madhya Pradesh	(d)	Maharashtra

(c) Mite

(d) Thrips.

392.	Harvest index of Arhar i	s	406.	Optimum moisture conte	ent of pigeon pea seed for
	(a) 10%	(b) 25%		storage is	
	(c) 19%	(d) 16%		(a) 8%	(b) 10-12%
393.	Hybrid variety released	by ICRISAT		(c) 12-15%	(d) 8-10%
	(a) ICPH-8	(b) ICPL-151	407.	Sterility mosaic resistant	variety of Arhar is
	(c) Birsa Arhar 1	(d) T-17		(a) ICPL-8863	(b) Pusa Ageti
394.	Protein content of pigeor	ı pea is		(c) Birsa Arhar 1	(d) Bahar
	(a) 23%	(b) 26.1%	408.	Rains during flowering o	f pigeon pea results in
	(c) 19%	(d) 21.7%		(a) Poor pollination	
395.	Earliest variety			(b) Infection of pod borer	
575.	(a) UPAS-120	(b) Mukta		(c) Both of them	
	(c) Birsa Arhar 1	(d) ICPL-8863.		(d) None of them.	
306	` '	. ,	409.	Seed weight of pigeon pe	a is
390.	Wilt of pigeon pea is cau (a) Fusarium oxysporum			(a) 75mg	(b) 150mg
	(b) F. oxysporum	1.sp. udum		(c) 100mg	(d) 80mg.
	(c) F. oxysporum f.sp.oxy	/snorim	410.	Germination of pigeon p	ea is
	(d) All of them.	орогин		(a) Hypogeal	(b) Epigeal
207				(c) Epi-hypogeal	(d) Both 1st& 3rd
397.	Pigeon pea is (a) Open pollinated	(b) Cross pollinated	411.	Global pigeon pea area fa	alls in India
	(c) Self pollinated	(d) None of them		(a) 90%	(b) 75%
200	•	. ,		(c) 60%	(d) 38%
398.	intercrops are maintaine	ratio of pigeon pea &	412.	India ranks	in pigeon pea production
	(a) 1:1	(b) 2:2		(a) 1st	(b) 2nd
	(c) 3:1	(d) 2:1		(c) 4th	(d) 5th
200	` '	. ,	413.	Percent losses caused by	weeds in pigeon pea is
399.	Rabi Arhar is practiced in (a) Dryland	(b) Hilly areas		(a) 34.5%	(b) 42%
	` '	(d) All of them.		(c) 28.7%	(d) 49.5%.
400	. ,	. ,	414.	In rice-wheat cropping	system which nulse cron
400.	Sowing time of rabi pige	•		can be used to improve s	
		(b) Last of Oct		(a) Cowpea	(b) Pigeon pea
	(c) NovDec	•		(c) Gram	(d) Pea
401.		pea in total production of			
	India (a) 40-50%	(b) 15-16%		CROP: LE	NTIL
	(a) 40-30% (c) 10-12%	(d) 20-25%	415.	The centre of origin of le	ntil is
40.0		. ,		(a) Mediterranean region	(b) South Africa
402.	States which leads in bot	•		(c) South East Asia	(d) Brazil
	(a) Madhya Pradesh	(b) Maharashtra	416.	The inflorescence in lenti	l is
	(c) Karnataka	(d) Andhra Pradesh.		(a) Raceme	(b) Spikelets
403.	Germination type of pigo	•		(c) Panicle	(d) Ear
	(a) Hypogeal	(b) Epigeal	417.	Ontimum temperature fo	or growth of lentil ranges
	(c) Precocious	(d) Phanerocotylor.		between	or growen or tenen ranges
404.	Seed rate of long duration	on Arhar		(a) 21-37OC	(b) 20-25OC
	(a) 8-10kg/ha	(b) 12-15kg/ha		(c) 18-20OC	(d) None of these
	(c) 20-25kg/ha	(d) 18-20kg/ha	418.	The optimum seed rate for	or normal sown crop lentil
405.	Sterility mosaic of Arhan	is transmitted by		is	
	(a) Aphid	(b) Leaf hopper		(a) 8-10 Kg/ha	(b) 15-18 Kg/ha

(c) 75-100 Kg/ha

(d) 30-40 Kg/ha

419.	The leading producer of	lenti	l is		CROP: LAT	HYRUS		
	(a) Burma	(b)	Banglades	122	The century of avigin of la	through is		
	(c) India	(d)	Ceylon	432.	The centre of origin of la (a) Europe	(b) Sout	h Africa	
420.	Whole Lentil is common	ly kı	nown as		(c) America	` '	e of these	
	(a) Masoor	(b)	channna	422		. ,		
	(c) Matar	(d)	Malka masoor	433.	The optimum seed rate lathyrus is	e ior nor	mai sown	crop
421.	Whenever one irrigation	n is	available, the lentil		(a) 20-25 Kg/ha	(b) 40-6	0 Kg/ha	
	crop should be irrigated	at			(c) 75-80 Kg/ha	(d) 30-3	•	
	(a) Grain filling stage			434	The inflorescence in Gra	` '	C	
	(b) Pre flowering stage				(a) Raceme	(b) Spik	elets	
	(c) Tillering stage				(c) Panicle	(d) Ear	-1005	
	(d) Milking stage			435	The toxic substance pres	()	vrue ie	
422.	The row to row spacing	by p	ora method of sowing	400.	(a) Lathogen	(b) BOA	•	
	of lentil is				(c) Neurotoxin	(d) All t		
	(a) 50 cm	()	20 cm	436	Protein content in chickl	` /		
	(c) 30 cm	(d)	10 cm	750.	(a) 27.5%	(b) 25%		
423.	Small seeded lentil belor	igs to	sub species		(c) 31.9%	(d) 33%		
	(a) Culinaris		Macrosperma	137	Which of the following			nd in
	(c) Microsperma	(d)	None of these	437.	Lathyrus crop	Heuroto	ill is ioui	iiu iii
424.	Lentil belongs to family				(a) Glutamate	(b) Botu	linum toxii	n
	(a) Liliaceae	(b)	Tiliaceae		(c) BOAA	(d) Both		
	(c) Linaceae	(d)	Leguminoceae	438.	Which of the variety of	f larthyru	s contains	least
425.	Number of chromosome	in L	entil		BOAA neurotoxin	i iui vii y i u		reuse
	(a) 2n=14	(b)	2n=16		(a) BR-1	(b) BIO	L-212	
	(c) $2n=24$	(d)	2n=20		(c) LSD-1	(d) LSD	-6	
426.	Protein content in lentil	is						
	(a) 20%	(b)	15%		CROP: P	EAS		
	(c) 25%	(d)	33%					
427.	Lentil crop cultivation is	best	suited under	439.	The centre of origin of P		1	
	(a) Warm and humid clin				(a) Mediterranean region			
	(b) Dry and hot climate				(c) South East Asia	(d) Braz	11	
	(c) Hot and humid climat	te		440.	The inflorescence of pea			
	(d) Cool and dry climate				(a) Axilary raceme	(b) Spik	elets	
428.	Which one of the followi	ng is	the variety of lentil		(c) Panicle	(d) Ear		
	(a) Basanti	_	Arkel	441.		ultivation	of pea in	India
	(c) Malika	(d)	Awarodhi		is in (a) M. P.	(b) Mah	oroshtro	
429.	The insect pod borer is o	omn	nonly found on		(a) W. F. (c) U. P.	(d) Biha		
	(a) Wheat		Maize	4.42		()		
	(c) Lentil	(d)	Groundnut	442.	Optimum temperature fruiting of pea ranges be		nowering	ana
430.	Which among the crop is	havi	ng the highest protein		(a) 21-37 °C	(b) 20-2	5 °C	
-20.	content?		9 Bress brossin		(c) 25-30 °C	` '	e of these	
	(a) Gram	(b)	Green gram	113	Higher yield of pea could	` /		
	(c) Lentil	(d)	Black gram	T73.	(a) Use of higher dose of		cu by-	
431.	Lentil is generally interc	ropp	ed with		(b) Adequate amount of r			
	(a) Barley	(b)	Sugarcane		(c) Closer planting	<i>3</i>		

(d) All the above

(c) Mustard

(d) All of these

444.	Pea is commonly known	as	456.		r normal and late planting
	(a) Arhar	(b) Matar		with wilt and rust resist	
	(c) Channa	(d) Khesari		(a) Pant L 406	(b) Pant Marter 5
445.	What is the ideal temper	rature for germination of		(c) Shivalik	(d) Rachna
	pea (a) 22 OC to 25 OC	(b) 10 OC to 15 OC	457.	•	r growing under irrigated nd having wilt resistance is
	(c) 15 OC to 20 OC	(d) 25 OC to 30 OC		(a) Pant L 406	(b) Pant Marter 5
446.	Wherever one irrigation	is available, the nea cron		(c) Shivalik	(d) Rachna
		stage	458.	The first dwarf variety	of pea released was
	(a) Pod formation	(b) Pre flowering		(a) Shivalik	(b) Awarodhi
	(c) Branching	(d) Grain filling		(c) Arpana	(d) Avrodhi
447.	Pea crop cultivation is be	st suited under			
	(a) Warm and humid clim			OTHER P	ULSES
	(b) Dry and hot climate		459.	Lablab purpureus belon	
	(c) Hot and humid climate	2	437.	(a) Fabaceae	(b) Graminae
	(d) Cool and dry climate			(c) Mimosasea	(d) Poaceae
448.	The recommended dose	of N, P2O5 & K2O kg/ha	460.		is not taken as raw because
	for garden pea are		700.	it contains	is not taken as raw because
	(a) 60:40:40	(b) 20:60:40		(a) Cyanogenic glucosid	les
	(c) 120:40:40	(d) 40:30:40		(b) Coumarine	
449.	Grain colour of field pea			(c) Anisatin	
	(a) White colour	(b) Brownish red colour		(d) Pyrrolizidine alkaloid	d
	(c) Yellow colour	(d) All of these	461.	Crude protein content i	n Hyacinth bean is
450.	How much seed of pea sh	nould be treated with one		(a) 14.8%	(b) 18%
	packet of Rhizobium cult			(c) 22%	(d) 16.5%
	(a) 5 kg	(b) 15 kg	462.	Nodulation and plant g	growth of hyacinth bean is
	(c) 10 kg	(d) 20 kg		inhibited in	
451.	Arkel & Asauji are the va			(a) July & December	
	(a) Pisum sativum var hor			(b) December & July	
	(b) Pissum sativum var ga			(c) July only	
	(c) Pisum sativum var arv	rense		(d) December only	
	(d) None of the above		463.	Anthracnose in hyacint	
452.	Rachna & Harbhajan ar			(a) Colletotrichum	lindemuthianum and
	(a) Pisum sativum var hor			Colletotrichum capsi (b) <i>Colletotrichum linde</i>	
	(b) Pissum sativum var ga			(c) Colletotrichum capsi	
	(c) Pisum sativum var arv(d) None of the above	ense		(d) Colletotrichum falca	
452	· /	41 1 1 1 1 1 1 4 1 4 1 4 1 4 1 4 1 4 1	464.	. ,	used in fodder mixtures
453.	Pea should be treated wi	th rhizobium inoculation	тот.	containing urea as it con	
	(a) R. japonicum	(b) R. leguminosarum		(a) Urease	(b) Protease
	(c) R. glycine	(d) None of the above		(c) Nitrogenase	(d) Denitrogenase
454.	Wilt disease of pea is cau				
	(a) Fusarium oxysporum	_		CROP: CC	OWPEA
	(c) Rhizoctonia solani	(d) Uromyces fabae	465.		
455.		ired for better growth of	403.	(a) Flowering & pod for	tion in cowpea mation
-20.	peas is	and a second second of		(b) Flowering & pod for	
	(a) 4.5-5.5	(b) 5.5-6.5		(c) Seedling	
	(c) 6.5-7.5	(d) None of these		(d) None of these	

466.	Which is not a fodder v	•	478.	Soybean seeds contain	
	(a) Sirsa-10	(b) Azad-1		(a) 20%oil and 20%pro	
	(c) Russian Gaint	(d) K-585		(b) 40%oil and 40% pr	otein
467.	Application of Phospho	orus and Sulphur increase		(c) 40% oil and 20%pr	
	(a) Better nodulation	(b) Better growth		(d) 20%oil and 40%pro	otein
	(c) Better yield	(d) All	479.	The optimum time for	kharif soybean planting is:
468.	IW: CPE ratio			(a) First fortnight of Ju	
	(a) $0.8 - 1$	(b) 0.5		(b) First fortnight of Ju	ly
	(c) 0.6	(d) None		(c) Second fortnight of	
	(1)	(4) - 144		(d) Second fortnight of	`July
	CROP: HORSEGRAI	M AND SOY BEAN	480.	The optimum tempera soybean is:	ature for the germination of
469.	Area & production o	f Horse gram in India is		(a) 11 °C	(b) 20 °C
	highest in	G		(c) 15 °C	(d) 22 °C
	(a) Karnataka	(b) Odisha	481.		ate of soybean for normal
	(c) Maharashtra	(d) M.P	401.	planting is	ate of soybean for normal
470.	Herbicides are less use	in Horse gram cultivation		(a) 50-60 kg/ha	(b) 60-70kg/ha
	(a) Crop is renumerative	_		(c) 70-80kg/ha	(d) 80-90kg/ha
	(b) Crop is less renumer		482.		ch is also grown as an oilseed
	(c) Sturdy crop		404.	crop is	ch is also grown as an onsecu
	(d) None of these			(a) Chickpea	(b) Urd bean
471		ntains inhibitor		(c) Soybean	(d) Lentil
471.	Seed of Horse gram con (a) Trypsin	(b) Polyphenols	102	-	
		(d) All the above	403.	·	st introduced in the USA (b) 1904
	(c) Haemagglutinins			(a) 1808 (c) 1804	(d) 1904 (d) 1908
472.	Soybean is called a wor	•			
	(a) An excellent protein		484.	When was soybean firs	
	(b) An excellent oilseed	crop		(a) 1880	(b) 1890
	(c) High yield potential			(c) 1980	(d) 1990
473	(d) Both a and b Family of soybean:		485.	For spring soybean, than that of kharif pla	seed should benting
4/5.	(a) Leguminosae	(b) Apilionceaceae		(a) More	(b) Less
	(c) Compositae	(d) Linaceae		(c) Similar	(d) Double
474	. ,		486.	The usually recommen	nded plant to plant distance
474.	The major amino acid			for soybean is:	F
	(a) Cysteine	(b) lycine		(a) 2-3cm	(b) 4-5cm
	(c) Arginine	(d) Hystine		(c) 5-7cm	(d) 8-10cm
475.	The crop which is good	•	487.	The soybean can be in	cornorated with:
	(a) Green gram	(b) Groundnut		(a) Wheat	001 p 01 m 00 m
	(c) soybean	(d) cowpea		(b) Chickpea	
476.	Soybean is originated i	n:		(c) Maize	
	(a) India	(b) china		(d) Tobacco	
	(c) USA	(d) Japan	488.	,	able for soybean cultivation
477.	Which crop is called po	oor man meat?	700.	is:	abic ivi svybcan cultivativii
	(a) Green gram			(a) 5.0-6.0	
	(b) Black gram			(b) 7.0-8.5	
	(c) Pegion pea			(c) 5.5-6.5	
	(d) soybean			(d) 6.0-7.5	
	· / •				

(d) All of these

489.	is conside soybean:	red to be a progenitor of	501.	Which of the crop gives to egg, milk and meat	the highest protein equal
	(a) Glycine max			(a) Black garm	(b) Lentil
	(b) Glycine sinensis			(c) Soybean	(d) Pegion pea
	(c) Glycine ussuriensis		502.	World's leading acreage	and production of soybean
	(d) Glycine usiiattisimun	1		lies in:	
490.	Ankur is a variety of:			(a) USA	(b) India
	(a) Soybean	(b) Groundnut		(c) China	(d) Pakistan
	(c) Blackgram	(d) Sesamum	503.	Which of the Indian stat	e is called soya state
491.	Most critical stage for N	requirement of soybean is		(a) Uttar pradseh	(b) Madhya Pradesh
	(a) Bud initiation	(b) Pre-flowering		(c) Andhra Pradesh	(d) Gujarat
	(c) Between a and b	(d) Pod maturity	504.	Soybean contains wh	nich of the following
492.	Which of the fertilizer is	best suited for sovbean		polyunsaturated fatty ac	
	(a) Single super phospha			(a) Linolic acid	(b) Oleic acid
	(b) Potassium sulphate			(c) Both a and b	(d) None of these
	(c) Ammonium sulphate		505.	Best suited irrigation sys	tem of soybean
	(d) All			(a) Check basin	
493.	Optimum depth of sowii	ng sovbean seed is		(b) Border strip	
	(a) 3-5cm	(b) 5-8cm		(c) Both a and b	
	(c) Less than 3cm	(d) More than 10 cm		(d) None of these	
494.	Ideal population of high	sovbean yield is	506.	•	to both acidic and
	(a) 2 lakhs/ha	(b) 3 lakhs/ha		alkaline condition	
	(c) 4 lakhs/ha	(d) 5 lakhs/ha		(a) Sensitive	
495.	Most critical stage for in is:	rigation of soyabean crop		(b) Slightly Tolerant(c) Tolerant(d) Name of these	
	(a) Pod development	(b) Seed filling		(d) None of these	
	(c) Pod maturation	(d) Between a and b	507.		
496.	Herbicide generally papplication in soybean is	practiced as pre plant		(a) Bragg(c) Shilajit	(b) Ankur(d) All of these
	(a) Trifularin	(b) Nitralin	508.	Black seeded soybean va	
	(c) Vernolate	(d) All of these		(a) Rich in protein but lov	
497.	Weedicide use as pre-e weeds in soybean is	emergence for controlling		(b) Rich in oil but low in(c) Both high protein and(d) Both low protein and	oil content
	(a) Chloramben	(b) Linuron	7 00	•	
	(c) Fluorodifen	(d) All of these	509.	·	
498.	Post emergence herbi	cides generally used in		(a) Rich in protein but low(b) Rich in oil but low in(c) Both high protein and	protein content
	(a) $2.4 - D$	(b) Chloroxuron		(d) Both low protein and	
	(c) Dinoseb	(d) All of these	510		
499.	Soybean variety suitable	e for kharif season is:	510.		s transmitted by
	(a) Bragg	(b) Lee		(a) Plant hopper(b) White fly	
	(c) Durga and gaurav	(d) All of these		(c) Aphids	
500.	Soybean variety suitabl	e for spring is		(d) None of these	
	(a) Merit	. 0	E 11		ngaawah Duaisat an gawl
	(b) Clark 63		511.	was stated during	esearch Project on soybean
	(c) Ankur			(a) 1067	(b) 1064

(a) 1967

(c) 1984

(b) 1964

(d) 1990

(d) Maturing

	OILSEED CROPS			Most critical stage for N	•
512.	Oldest Oilseed crop in Indi	ia is:		(a) Bud initiation	(b) Pre-flowering
	(a) Sunflower			(c) Between a and b	(d) Pod maturity
	(b) Rape seed and Mustard		525.		s best suited fertilizer for
	(c) Groundnut			soybean?	
	(d) Sesame			(a) Single super phosphat	te
= 12	` /			(b) Potassium sulphate	
313.	The fruit of rapeseed and i			(c) Ammonium sulphate	
		(b) Grain		(d) All of these	
	(c) Siliqua	(d) Caryopsis	526.	Optimum depth of soybe	ean seed sowing is
514.	The highest production of	mustard in India is in		(a) 3-5 cm	(b) 5-8 cm
	(a) Gujarat ((b) U.P.		(c) < 3 cm	(d) > 10 cm
	(c) Punjab	(d) Rajasthan	527.	Seed rate for soybean cro	op is
515.	The seed rate for sesamum	is		(a) 5-10 kg/ha	(b) 10-20 kg/ha
		(b) 3-4 kg		(c) 20-30 kg/ha	(d) 40-50 kg/ha
		(d) 5-6 kg	528.	Ideal population for high	ı soybean yield is
516.	The oil and protein conten	· / ·		(a) 2 lakhs/ha	(b) 4 lakhs/ha
010.	_	(b) 26% & 45%		(c) 3 lakhs/ha	(d) 5 lakhs/ha
		(d) 50% & 26%	520		
517.		· /	529.	(a) Pod development	rigation of soybean crop is (b) Seed filling
J17.	Groundnut?	tate in production of		(c) Between a and b	(d) Pod maturation
		(b) Rajasthan		,	
		(d) Gujarat	530.	_ ·	practice as pre plant
518.	•	, ,		application in soybean is	
010.	deficiency of	or plant to unignose the		(a) Trifluralin	(b) Nitralin
	<u>-</u>	(b) Iron		(c) Vernolate	(d) All of these
	* 7	(d) Phosphorus	531.	Weedicide used as pre-e	emergence for controlling
519.	- · · · · · · · · · · · · ·	· ·		weeds in soybean is	
	number of cultivated oilse			(a) Chloramben	(b) Linuron
		(b) 5		(c) Fluorodifen	(d) All of these
		(d) 9			
		u)	532.	Post emergence herbic	cides generally used in
520.		· /	532.	Post emergence herbic soybean crop is	cides generally used in
520.	Most important oilseed cro of oilseed production in Inc	ops contributing > 75%	532.		cides generally used in (b) Chloroxuron
520.	Most important oilseed cre	ops contributing > 75% dia is	532.	soybean crop is	•
520.	Most important oilseed cre of oilseed production in Inc	ops contributing > 75% dia is		soybean crop is (a) 2,4-DB (c) Dinoseb	(b) Chloroxuron(d) All of these
520.	Most important oilseed cre of oilseed production in Inc (a) Groundnut and mustard	ops contributing > 75% dia is		soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean	(b) Chloroxuron
520.	Most important oilseed cre of oilseed production in Inc (a) Groundnut and mustard (b) Groundnut and castor	ops contributing > 75% dia is		soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season?	(b) Chloroxuron (d) All of these is suitable for cultivation
520. 521.	Most important oilseed cre of oilseed production in Inc (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower	ops contributing > 75% dia is		soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg	(b) Chloroxuron(d) All of these
	Most important oilseed cre of oilseed production in Inc (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame	ops contributing > 75% dia is	533.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gauray	 (b) Chloroxuron (d) All of these 1 is suitable for cultivation (b) Lee (d) All of these
	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil?	ops contributing > 75% dia is	533.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable	 (b) Chloroxuron (d) All of these n is suitable for cultivation (b) Lee (d) All of these for spring season is
	Most important oilseed creo of oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed	ops contributing > 75% dia is	533.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63
	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed	ops contributing > 75% dia is oilseed crops, which is (b) Castor (d) None of these	533.534.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these
521.	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b	ops contributing > 75% dia is oilseed crops, which is (b) Castor (d) None of these	533.534.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is
521.	Most important oilseed creo of oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b (d) High temperature during increases oil content:	ops contributing > 75% dia is oilseed crops, which is (b) Castor (d) None of these	533.534.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of (a) 43% & 20%	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is (b) 35% & 30%
521.	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b High temperature during increases oil content: (a) Pre-flowering	ops contributing > 75% dia is oilseed crops, which is (b) Castor (d) None of these which stage of Soybean	533.534.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is
521. 522.	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b High temperature during increases oil content: (a) Pre-flowering	ops contributing > 75% dia is oilseed crops, which is (b) Castor (d) None of these which stage of Soybean (b) Seed formation (d) Maturing	533.534.535.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of (a) 43% & 20% (c) 30% & 35%	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is (b) 35% & 30%
521.	Most important oilseed creof oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b High temperature during increases oil content: (a) Pre-flowering (c) Flowering	ops contributing > 75% dia is coilseed crops, which is (b) Castor (d) None of these which stage of Soybean (b) Seed formation (d) Maturing which stage of Soybean	533.534.535.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of (a) 43% & 20% (c) 30% & 35%	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is (b) 35% & 30% (d) 20% & 43 %
521. 522.	Most important oilseed creo of oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b High temperature during increases oil content: (a) Pre-flowering (c) Flowering Drought situations during	ops contributing > 75% dia is coilseed crops, which is (b) Castor (d) None of these which stage of Soybean (b) Seed formation (d) Maturing which stage of Soybean	533.534.535.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of (a) 43% & 20% (c) 30% & 35% Which of the crop gives to egg, milk and meat? (a) Black gram	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is (b) 35% & 30% (d) 20% & 43 %
521. 522.	Most important oilseed creo of oilseed production in Inc. (a) Groundnut and mustard (b) Groundnut and castor (c) Mustard and sesame (d) Castor and sunflower Among the nine vegetable non edible oil? (a) Linseed (c) Both a and b High temperature during increases oil content: (a) Pre-flowering (c) Flowering (c) Flowering Crought situations during causes Flower and Pod dro	ops contributing > 75% dia is coilseed crops, which is (b) Castor (d) None of these which stage of Soybean (b) Seed formation (d) Maturing which stage of Soybean	533.534.535.	soybean crop is (a) 2,4-DB (c) Dinoseb Which variety of soybean during kharif season? (a) Bragg (c) Durga and gaurav Soybean variety suitable (a) Merit (c) Ankur Protien and oil content of (a) 43% & 20% (c) 30% & 35% Which of the crop gives to egg, milk and meat?	(b) Chloroxuron (d) All of these is suitable for cultivation (b) Lee (d) All of these for spring season is (b) Clark 63 (d) All of these f soybean is (b) 35% & 30% (d) 20% & 43 %

(c) Pigeon pea (d) Lentil

(c) 800 kg/ha

(d) 1000 kg/ha

537.	World's leading acreag	ge and production of soybean	549.	Herbicide suitable figroundnut field is	for controlling weeds of
	(a) USA	(b) India		(a) Fluchloralin	
	(c) China	(d) Pakistan		(b) Nitrofen	
538.	` '	state is popularly called as		(c) Pendimethalin	
556.	soya state?	state is popularly called as		(d) All of these	
	(a) Uttar Pradesh	(b) Madhya Pradesh	550.	•	A) applied during flowering
	(c) Andhra Pradesh	(d) Gujarat		stage will influence	(1) D 11 1
539.	Soybean contains polyunsaturated fatty	which of the following acid?		(a) Pod formation(c) Both a and b	(b) Pod development(d) Maturity
	(a) Linolic acid	(b) Oleic acid	551.	Groundnut is sensitive	eto
	(c) Both a and b	(d) None of these		(a) Poor drainage	
540.	Groundnut production	ı is highest in		(b) Higher acidity and a	alkalinity
	(a) India	(b) China		(c) Cold weather	
	(c) USA	(d) Pakistan		(d) All of these	
541.	Mean temperature	required for groundnut	552.	Groundnut can be gro	•
0.111	cultivation is	require in grounding		(a) Bajra	(b) Sunflower
	(a) 21-26.5 °C	(b) 25-30 °C		(c) Cotton	(d) All of these
	(c) 30-35 °C	(d) 15-20 °C	553.	· ·	eld under well managed and
542.	Best suited soil for gro	undnut cultivation is		irrigated condition is	4) 000 000
	(a) Sandy	(b) Sandy loam		(a) 1.0-1.5 t/ha	(b) 3.0-3.5 t/ha
	(c) Both a and b	(d) Clay loam		(c) 1.5-2.0 t/ha	(d) 4.0-4.5 t/ha
5/13	` '	r groundnut cultivation is	554.	•	which is having drought
343.	(a) 4.0-5.0	(b) 6.0-6.5		resistant is	(1) TD (1)
	(c) 5.0-6.5	(d) 7.5-9.0		(a) TMV 2	(b) TMV3
544	` '			(c) TMV 4	(d) All of these
544.	variety?	is bunchy type of groundnut	555.	Aspergillus flavus fu groundnut variety is	ngi colonization resistant
	(a) Jyoti			(a) J 11	(b) Faizpur
	(b) Moongphali Haryan	na 1		(c) AG 7223	(d) All of these
	(c) Kopergaon No.3		556.	Groundnut oilcake car	ı be used as
	(d) Both b and c			(a) Manure	- 0 - 1-0 - 10
545.	Groundnut variety pro	eferred for table purpose is		(b) Poultry feed ingredi	ient
	(a) Jyoti	(b) TMV 6		(c) Manufacturing artif	ficial fibers
	(c) Kopergaon No.3	(d) Both b and c		(d) All of these	
546.	Optimum seed rate groundnut cultivation	required for bunchy type is	557.	Which of the element groundnut?	requires more quantity for
	(a) 20-40 kg/ha	(b) 40-60 kg/ha		(a) P	(b) S
	(c) 60-80 kg/ha	(d) 100-150 kg/ha		(c) Ca	(d) All of these
547.	Groundnut seeds are s	own at a depth of	558.	Oil content of Sunflow	er is:
	(a) 5-8 cm	(b) 10-12 cm		(a) 10-20 %	(b) 20-35%
	(c) 15-18 cm	(d) 1-2 cm		(c) 35-43%	(d) 45-50%
548.	Gypsum application r	equired for development of	559.	Which is the short dur	ration Sunflower variety?
	better pods of groundr	nut is		(a) Morden	(b) DSH-1
	(a) 200 kg/ha			(c) Jwalamukhi	(d) Sungene
	(b) 500kg/ha		560	Herbicide used to con	trol the weeds in sunflower

us:

(a) Alachor

(b) Pendimethalin

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	(c) Fluchloralin	(d) All of these	572.	First Sunflower hybrid	l variety is:
561.	Sunflower is widely cult	ivated in India, because of:		(a) MSFH-8	(b) Surya
	(a) Short duration			(c) BSH-1	(d) Morden
	(b) Photosensitivity		573.	Sunflower variety res	istant to Rust and Downey
	(c) Wide adaptability an	d drought tolerance		Mildew:	
	(d) All of these			(a) KBSH-41	(b) BSH-1
562.	Critical stage for irriga	tion in Sunflower is:		(c) DRSF113	(d) Morden
	(a) Flowering	(b) Grain filling	574.	Parent of BSH-1	
	(c) Both a and b	(d) Vegetative		(a) CMS 435A x KBSF	1 42
563.	Sunflower is having p	oroblem in cultivation in		(b) CMS234A x RHA2	74
	India, because of:			(c) Jwalamukhi x APSI	H 11
	(a) More bird's damage			(d) DRSF108 x KBSH	1
	(b) Poor seed filling		575.	All India Coordinate	d Project on Oilseeds was
	(c) Oil becomes bitter w	rithin 90 days of harvest		established during:	
	(d) All of these			(a) 1960	(b) 1962
564.	Sesame cannot withstar	nd:		(c) 1967	(d) 1969
	(a) Frost	(b) Continuous rain	576.	Family of Sunflower:	
	(c) Prolonged drought	(d) All of these		(a) Fabaceae	(b) Asteraceae
565.	Which of the stage of S	esame is sensitive to water		(c) Pedaliaceae	(d) Euphorbiaceae
	stress?		577.	Basic chromosome nui	mber of Sunflower is:
	(a) Flowering	(b) Grain filling		(a) 15	(b) 21
	(c) Both a and b	(d) Seeding		(c) 9	(d) 17
566.		required for better growth	578.	Highest productivity o	f Sunflower is in:
	of Sesame is:			(a) USA	(b) Ukraine
	(a) 20-25°C	(b) 25-27°C		(c) Israel	(d) Russia
	(c) $27-35^{\circ}C$	(d) $35-40^{\circ}$ C	579.	High Phosphorus t	o Soybean reduce Zinc
567.	Which of the following of Sesame:	is a White seeded Variety	317.	availability in:	o soybean reduce Zine
	(a) Kanki White	(b) Harvana Til 1		(a) Alakali soil	(b) Sodic soil
	(c) Tapti	(b) Haryana Til 1(d) All of these		(c) Acidic soil	(d) All of these
5 (0)	-	. ,	580.	The percentage of Lin	noleic acid in Sunflower Oil
568.		Programme (OPP) was		is:	
	started during: (a) 1990-1991	(b) 1989-1990		(a) 60%	(b) 62%
	(c) 1993-1994	(d) 1986-1987		(c) 40-67%	(d) 66%
560			581.	In Groundnut, embr	yo is killed when the soil
569.	of Sunflower is	tion for better production		temperature is beyond	:
	(a) 10,000 plants/ha			(a) 18	(b) 33
	(b) 40000 plants/ha			(c) 54	(d) 70
	(c) 60000 plants/ha		582.	Fertilizer responsible	for increase of protein and
	(d) 100000 plants/ha			glucosinolate content i	s:
570.	Which Oil is called the	"Poor man's GHEE"		(a) Phosphorus	(b) Sulpur
370.	(a) Groundnut	(b) Sunflower		(c) Potassium	(d) Nitrogen
	(c) Sesame	(d) Linseed	583.	Critical weed competit	tion in Soybean is:
57 1				(a) 30-35	(b) 35-40
571.	•	saturated fatty acids such acid contribute to the total		(c) 40-45	(d) 45-50
	Sunflower oil:	cia continute to the total	584.	Flower of Sunflower is	called:
	(a) 95%	(b) 90%		(a) Capsule	(b) Siliqua
	(c) 80%	(d) 85%		(c) Achene	(d) Capitula

(c) 5-8cm

(d) 6-10cm

585.	fodder purpose?	an is ideal to harvest for	598.		ted to remove the most y matter production among
	(a) Flowering(c) Vegetative stage	(b) Pod formation(d) Pre-flowering		(a) Safflower	(b) Linseed
5 0 <i>C</i>	., .	. ,		(c) Soybean	(d) Sunflower
586.	(a) 8%	tent for storing Mustard is: (b) 12%	599.	•	contain anti-nutritional
	(a) 8% (c) 20%	(d) 18%	377.	constituents like	contain anti-nutritional
505				(a) Chlorogenic acid	
587.	In South India, Sesame	8		(b) Phenolic compounds	}
	(a) Rabi only	(b) Kharif only		(c) both a & b	
	(c) Rabi and Kharif	(d) Summer		(d) Aliphatic compound	S.
588.	•	for storing Groundnut is:	600.	JL-24 0f Groundnut be	longs to variety
	(a) 5%	(b) 8%		(a) Virginia bunch	(b) Valencia
	(c) 12%	(d) 15%		(c) Spanish bunch	(d) Virginia runner
589.		n a Groundnut field should	601	•	varieties of Soybean is early
	normally be avoided be		001.	maturing?	varieties of soy beam is early
	(a) Makes harvesting dis			(a) PK 262	(b) PK 1029
	(b) Makes pegging diffic	cult in upper layers		(c) PK 1042	(d) PK 327
	(c) Delays germination	and dayslammant	602.	Spring Soybean is grow	n hetween
500	(d) Delays pegging and		0021	(a) 1 March to 1 April	
590.	Groundnut is N:P:K, re	mended for a crop of		(b) 15 March to 15 April	1
	(a) 20-40: 50-60: 30-40			(c) 15 February to 15 M	arch
	` /	(d) 40-50 : 60-80 : 30-50		(d) 1 February to 1 Marc	eh
5 01	. ,		603.	Nitrogen % in ground r	nut cake is
591.	Soybean is	for Nitrogen fixation in		(a) 6-7%	(b) 7-8%
	(a) Rhizobium japonicum	n		(c) 8-9%	(d) 9-10%
	(b) Rhizobium phaseoli		604	Highest linoleic acid con	ntent is in
	(c) Rhizobium legumino	osarum	004.	(a) soybean	(b) sunflower
	(d) Rhizobium glycium			(c) safflower	(d) groundnut
592.	pH range suitable for S	ovbean cultivation is	605		. , .
C> _ V	(a) 5.0-6.0	(b) 7.0-8.5	005.	Iodine no. of soybean of (a) 120	(b) 140
	(c) 5.5-6.5	(d) 6.0-7.5		(a) 120 (c) 160	(d) 200
593.	Fruit of Sesame is called	1			
0,0.	(a) Peg	(b) Siliqua	606.	Daily oilseed requireme	
	(c) Achene	(d) Capsule		(a) 24g/capita/day	(b) 30g/capita/day
594.	. ,	nt beyond which Aflatoxin		(c) 28g/capita/day	(d) 38g/capita/day
374.	will develop is	nt beyond which Anatoxin	607.	Groundnut is source of	•
	(a) 5%	(b) 9%		(a) B13	(b) B12
	(c) 12%	(d) 18%		(c) B14	(d) B15
595.	Average shelling percen	tage of Groundnut is	608.	Which variety of groun	dnut has highest yield
0,00	(a) 60-65%	(b) 70-75%		(a) ICGS 11 & 44	(b) TMV-10 &11
	(c) 75-80%	(d) 55-60%		(c) M-13	(d) ICGS 12
596.	Test weight of Sunflowe		609.	Protien content in shell	of groundnut is
J 0.	(a) 30-50gm	(b) 20-50gm		(a) 6%	(b) 7%
	(c) 40-60gm	(d) 30-40gm		(c) 8%	(d) 11%
597.	Sowing depth of Sunflo		610.	Beany taste in soybean	is due to
J) 10	(a) 2-6cm	(b) 3-7cm		(a) Manganese	(b) Sulfur

(c) Zinc

(d) calcium

611.	Which crop is known as	_	•	625.	The optimum time for	sowing	g of sunflower during
	(a) cotton		groundnut		kharif in India is:		
	(c) maize		soybean		(a) First fortnight of jun(b) Second fortnight of		
612.	Major pest of groundnut is			(c) First fortnight of jul			
	(a) White grub	. /	Pod borer		(d) Second fortnight of		
	(c) aphid	(d)	Thrips				
613.	Pegging stage in ground	nut c	omes after	626.	The recommended pla	nting	geometry for sesame
	(a) 30 D.A.S.	. /	45 D.A.S.		iscm (a) 25x75	(l ₂)	2015
	(c) 55 D.A.S.	(d)	35 D.A.S.		(a) 23x/3 (c) 30x10	. ,	30x15 45x15
614.	Sunflower is in nature.						
	(a) Protoandry	(b)	Protogyny	627.		d rate	e of sunflower varies
	(c) Both a & b	(d)	sessile		fromkg/ha. (a) 5-7.5	(b)	8-10
615.	For spring crop of soybe that of <i>kharif</i> planting.	ean so	eed should bethan		(a) 3-7.3 (c) 10-12	` '	12-14
	(a) More	(b)	Less	628.	The scientific name of o	erect t	ype of groundnut is:
	(c) similar	. /	Double		(a) Arachis hypogeae su	ıbspec	ies fastigata
616.	` '	` '	200010		(b) Arachis hypogeae su	ıbspec	ies procumbens
010.	First sunflower hybrid is (a) DSH 1		BSH 1		(c) Arachis hypogeae su	ıbspec	ies oleifera
	(c) COSH 1	. /	Both a & b		(d) Arachis hypogeae su	ıbspec	ies gigantea
(17	. ,	` '		629.	Scientific name of black	k must	tard is
617.	Sesamum belongs to the		-		(a) Brassica nigra	(b)	Brassica napus
	(a) Leguminoseae(c) Pedaliaceae		Papilionaceae Chinopodeaceae		(c) Brassica juncea	(d)	Brassica campestris
(10	. ,	(u)	Cimopodeaceae	630.	The germination in sur	ıflowei	r is known as
618.	Soybean is classified as:	(1-)	I		(a) Epigeal		Hypogeal
	(a) Oilseed crop		Legume		(c) Hypo-epigeal		Epi-hypogeal
	(c) Pulse	` ′	None of the above	631.			1 11 0
619.	First safflower hybrid re			001.	(a) YSMS 2		YSMS 6
	(a) DSH 129	. ,	MKH 11		(c) YSMS 8163	()	all the above
	(c) Both a & b	()	DSH 1	632.	Highest productivity		
620.	Sunflower is acro	-		032.	recorded by	oi suii	mower in findia was
	(a) self-pollinated	` /	cross-pollinated		(a) Tamil Nadu	(b)	Bihar
	(c) Both (a) and (b)	(d)	parthenocarpous		(c) Rajasthan		Uttar Pradesh
621.	Ground nut variety pref			633	Niger belongs to the far		
	(a) TMV 6		Kopergaon No.3	055.	(a) Poaceae		Pedaliaceae
	(c) Jyothi	(d)	Both a & b		(c) compositae		Leguminosae
622.	The crop of sunflower	can	be effectively grown	634.	•	(4)	2084
	inseason			034.	Origin of Niger is (a) Mexico	(b)	Egypt
	(a) Rabi and Zaid		Rabi, Zaid and Kharif		(c) Brazil		Ethiopia Ethiopia
	(c) Kharif and Zaid	(d)	Kharif	(25		(u)	Lunopia
623.	The optimum tempera	ture	for germination of	635.		(1-)	25 400/
	soybean is		0.00		(a) 25-30%	` ′	35-40%
	(a) 11 °C	. /	20 °C		(c) 45-50%	. ,	55-60%
	(c) 15 °C	(d)	30 °C	636.	The basic chromosome	,	, ,
624.	The optimum time for k	_	soybean planting is		(a) 17	` '	15
	(a) First fortnight of june				(c) 12	(d)	30
	(b) First fortnight of july			637.	In Niger the germination		
	(c) Second fortnight of ju				(a) Epigeal		Hypogeal
	(d) Second fortnight of ju	ıly			(c) Epi-hypogeal	(d)	Hypo-epigeal

(c) Epi-hypogeal

(d) Hypo-epigeal

(d) modified tuber

638.	Fruit of Niger is called		652.	pH range suitable for cu	ıltivation of safflower:
	(a) Achene	(b) Siliqua		(a) 4-7	(b) 5-6
	(c) capitula	(d) capsule		(c) 5-8	(d) 6-8
639.	Niger is a season crop		653.	The Nitrogen requiren	nent for safflower under
	(a) Kharif	(b) Rabi		rainfed condition range	
	(c) Zaid	(d) All the above		(a) 25-40	(b) 25-50
640.	Optimum soil pH for Ni	ger is		(c) 30-40	(d) 30-50
	(a) 5.2-7.3	(b) 4.0-6.2	654.	Sowing time for safflow	er is:
	(c) 3.0-5.0	(d) 7.2-8.3		(a) Sept-Oct	(b) Oct-Nov
641.	Niger seed should be sov	vn at cm deep.		(c) Aug-Sept	(d) Jan-Feb
	(a) 1-3	(b) 2-3	655.	The nercentage of pro	otein content in safflower
	(c) 3-4	(d) 4-5	000.	cake is	tem content in sumover
642.	Test weight of Niger ran	ges from		(a) 30	(b) 20
	(a) 2-4 g	(b) 5g		(c) 40	(d) 50
	(c) 3-5g	(d) 4-6g	656.	The best edible oil	
643.	The ideal system of irrig	ration in Niger is	030.	(a) Safflower	(b) Groundnut
0.0.	(a) Check basin	(b) Border strip		(c) Sesamum	(d) Soybean
	(c) Both (a) and (b)	(d) None of this	657		•
644.	Moisture percentage for	storage in Niger is	657.	The best harvesting time (a) Evening	(b) Noontime
011.	(a) 9%	(b) 11%		(c) Morning before 10	(d) Morning after 10
	(c) 15%	(d) 5%		.,	. ,
645.	Castor is originated in:	(3)	658.	The duration of safflow	
U T J.	(a) India	(b) Tropical Africa		(a) 110-120	(b) 115-150
	(c) Ethiopia	(d) Tropical Asia		(c) 120-130	(d) 115-140
646.	Topping of safflower pla	•	659.	·	
040.	(a) To reduce lodging	nts is beneficial:		(a) Tap root	(b) Fibrous root
	(b) To promote branching	and flowering		(c) Adventitious	(d) None
	(c) To reduce water loss.	s and nowering	660.	Soil suitable for cultivat	ion of castor
	(d) All of these.			(a) Well drained loamy s	soil
647	Directorate of oilseed re	saarch is located at		(b) Sandy soil	
U T / .	(a) Hyderabad(AP)	(b) Karnal(Haryana)		(c) Clay loam	
	(c) Indore (MP)	(d) None		(d) Black soil	
610		. ,	661.	Maturity indices of saffl	ower
648.	Mustard variety resistar (a) Durgamani	(b) Pusa Bold		(a) Upper leaves turn dry	y and brown
	(c) RH 30	(d) Saurabh		(b) Lower leaves turn dry	y and brown
C 40	. ,	. ,		(c) Whole leaves turn dr	y and brown
649.	of castor(kg/ha)is:	getting desired population		(d) None	
	(a) 12-15	(b) 18-20	662.	Water Use Efficiency of	safflower (kg/seed/ha/mm)
	(c) 20-25	(d) 25-30		is	,
650.	The oil content of safflor			(a) 6.73	(b) 7.49
030.	(a) 20-15%	(b) 15-20%		(c) 5.64	(d) 5.99
	(c) 28-32%	(d) 25-30%	663.	Castor is usually grown	in
(51	. ,	(4) 20 30/0		(a) Rainfed	(b) Irrigated
651.	Ground nut is . (a) modified fruit			(c) Both	(d) Dryland
	(a) modified fruit (b) modified stem		664.		•
	(c) modified root		004.	(a) 2n=26	(b) 2n=28
	(v) mouniou root			(4) 211 20	(0) 211 20

(c) 2n=24

(d) 2n=22

665.	Bhima is a variety of	(1) C (C)	678.	•	regarded ready for harvest
	(a) Rapeseed and mustard	* *		when its pod turn (a) Greenish yellow	(b) Greenish black
	(c) Castor	(d) Groundnut		(c) Yellowish green	(d) Yellowish brown
666.	Current president of ICA		(=0)	` ,	. ,
	(a) Dr B.P.Pal	(b) Dr S Ayyappan	679.	_	and mustard is known as:
	(c) H S Gupta	(d) Radha Mohan Sing	gh	(a) pod	(b) Siliqua
667.	The chief material for pr			(c) Grain	(d) Caryopsis
	(a) Sunflower oil	(b) Safflower oil	680.		at a spacing of 50 20 cm will
	(c) Castor oil	(d) Mustard oil		haveplants/ha	(l-) 1 00 000
668.	The type of germination	in castor is		(a) 75,000 (c) 1,25,000	(b) 1,00,000 (d) 1,50,000
	(a) Epigeal	(b) Hypogeal	604		
	(c) Both a and b	(d) Epi-hypogeal	681.		owing is the best example of
669.	Aruna is a variety of			catch crop: (a) Linseed	(b) Mustard
	(a) Castor	(b) Sesamum		(c) Toria	(d) Groundnut
	(c) mustard	(d) Groundnut		,	
670.	Causal organism of wilt i	n safflower	682.		peseed and mustard(tamaria)
	(a) Puccinia gramini			belongs to the family: (a) Cruciferae	
	(b) Peronospora spp			(c) Compositeae	(b) Leguminoseae(d) Euphorbiaceae
	(c) Sclerotinia sclerotiarum			•	•
	(d) Xanthomonas spp		683.	•	ustard is obtained at a plant
671.	Highest producer of saffle	ower in India		geometry of:	(h) 60×20 am
0/1.	(a) Kerela	(b) Mizoram		(a) 45×20 (c) 30 x 10	(b) 60×30cm (d) 60x20
	(c) MP	(d) Maharashtra		,	
672			684.	_	responsible for pungency in
672.	Yellow revolution represe	ents		mustard oil?	(l-) A:: 1-
	(a) Milk production(b) Egg production			(a) Phenols	(b) Amino acids(d) Erucic acid
	(c) Fish production			(c) Glucosinolates	
	(d) Oilseeds production		685.	9	nas been evolved after
	· · ·			hybridisation between	
673.	Safflower is a pla			(a) B.nigra and B.cam	•
	(a) Thermosensitive			(b) B.nigra and B.oler	
	(c) Both	(d) None		(c) B.campestris and E(d) B.campestris and E	
674.	Carthamus tinctorius lis t			•	
	(a) Linseed	(b) Soyabean	686.	0 1 1	_
	(c) Groundnut	(d) Safflower		(a) Mustard	(b) Safflower
675.	Castor is used as a			(c) Niger	(d) Sunflower
	(a) Laxative	(b) Biodiesel	687.		d and mustard is done to
	(c) Both a and b	(d) None		maintain a plant to pl	
676.	In India the following cro	ps have a share of 78%	of	(a) 5-10	(b) 10-15
	total oil seed production:	•		(c) 15-20	(d) 12-15
	(a) Groundnut and rapese	ed	688.	The best time for sowi	ing toria is:
	(b) Groundnut and sunflow	wer		(a) 15-30 september	
	(c) linseed and sunflower			(b) 15-20 september	
	(d) niger and groundnut			(c) 15-25 september	
677.	The optimum plant po	pulation for mustard	is	(d) All of the above	
- · · •	around:		689.	Brassica juncea is the	scientific name of:
	(a) One lakh	(b) Two lakhs		(a) Rai	(b) Toria
	(c) Three lakhs	(d) four lakhs		(c) Soybean	(d) Wheat

(c) Groundnut

(d) Mustard

690.	Technology Mission or	oilseeds was established in	703.	For better maturity,lin	seed requires
	the year:			(a) High temperature	(b) Low moisture
	(a) 1976	(b) 1986		(c) Dry weather	(d) All of these
	(c) 1996	(d) 2001	704.	The ideal temperature	e range for linseed growth
691.	In Tradeis known			is	a> 15.50
	(a) Brassica juncea	(b) Eruca sativa		(a) 21-24	(b) 15-20
	(c) Brassica intraa	(d) Brassica napus		(c) 23-26	(d) 25-30
692.	Varuna' is a varirty of		705.	Linseed belongs to fam	-
	(a) Linseed	(b) Castor		(a) Graminae	(b) Cruciferae
	(c) Rapeseed and Must	ard (d) Sunflower		(c) Linaceae	(d) Compositae
693.	The seed rate requirem	ent for pure crop of mustard	706.	Largest acreage of lins	
	and rapeseed is	-		(a) India	(b) Canada
	(a) 6-6.5 kg/ha	(b) 6-7.5 kg/ha		(c) USA	(d) Germany
	(c) 5-6 kg/ha	(d) 7.5-8 kg/ha	707.	Seed rate required for	linseed crop is
694.	Critical weed free peri	od mustard- rapeseed is		(a) 10-20 kg/ha	(b) 35-40 kg/ha
	(a) Upto 25 days	(b) Upto 40 days		(c) 50-60 kg/ha	(d) 80-100 kg/ha
	(c) Upto 60 days	(d) None of this	708.	Leading linseed produc	cer in India is
695.	Herbicide suitable for a	controlling weeds in mustard		(a) Uttar Pradesh	(b) Andhra Pradesh
0,00	field is	weeds in museur u		(c) Madhya Pradesh	(d) Tamilnadu
	(a) Fluchloralin	(b) Pendimethalin	709.	Linseed is sensitive to_	
	(c) Isoprotruron	(d) All of this		(a) Frost at flowering	
696.	Origin of mustard is			(b) Water logging	
070.	(a) India	(b) China		(c) Extended drought	
	(c) Afghanistan	(d) USA		(d) All of these	
697.	• •	gation of mustard crop is	710.		g is a dual purpose(oil and
077.	(a) Rosette stage	(b) Siliqua-formation		fibre) variety of linseed	
	(c) Both (a) and (b)	(d) Siliqua maturity		(a) Jeewan	(b) Nagarkot
(00				(c) Gaurav	(d) All of these
698.	(a) Toria	mustard type in india is (b) Yellow/brown sarson	711.	The fruit of the linseed	•
	(c) Indian mustard	(d) Black mustard		(a) Pod	(b) Siliqua
600	. ,			(c) seed ball	(d) Achene
699.	Mustard type used for	condiment purpose is	712.		oudy weather during
	(a) Toria			period is very harmful	_
	(b) Yellow/Brown sarso(c) Indian mustard	on		(a) Flowering	(b) Vegetative
	(d) Black mustard			(c) Seedling	(d) Rosette
	• *		713.	Linseed oil is rich in	
700.	-	r low yield in rapeseed/		(a) Oleic acid	(b) Linoleic acid
	mustardis	Lish sislding seniation		(c) Linolenic acid	(d) Erucic acid
	(a) Non availability of	oor response to applied inputs	714.		
	(c) Susceptible to pest			(a) 20-30 DAS	(b) 30-40 DAS
	(d) All of these	and diseases		(c) 20-45 DAS	(d) 30-35 DAS
5 01	` '	0/ 6	715.	Oil content of linseed is	S
701.	•	ses% of erucic acid		(a) 35-40	(b) 37-44
	(a) 5-10	(b) 10-30 (d) 57.00		(c) 40-45	(d) 25-30
	(c) 38-57	(d) 57-90	716.		ng in kharif season leds to
702.	Which is the oilseed cu	_		high incidence of	
	(a) Linseed	(b) Sesame		(a) Phyllody	(b) Wilt

(c) Shoot fly

(d) Powdery mildew

717.	Which crop is known as t		729.		g groundnut early &	
	(a) Linseed (b) Groundnut			reproductive stages respectively are		
	(c) Soybean	(d) Castor		(a) 0.5 & 0.75 IW:CPE		
718.	is a bunch type variety of groundnut.			(b) 0.75:0.5 IW:CPE (c) 0.25 & 0.5 IW : CPE		
	(a) Jalwa	(b) JL 24		(d) 0.5%O.25IW:CPE		
	(c) Narbada 4	(d) All of these	5 20	• •	. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
719.	Early leaf spot of ground	nut is caused by	/30.	needed in Ground nut is	n which irrigation is most	
	(a) Cercospora arachidico	la		(a) Vegetative stage	(b) Flowering & pegging	
	(b) Cercospora personata			(c) Pod formation	(d) Pod development	
	(c) Both a & b		731	Earthing up in groundnu	•	
	(d) Cercospora graminae		751.	(a) 35 DAS	(b) 40 DAS	
720.	Stiff clay soil are not	suitable to groundnut		(c) 45DAS	(d) After 45 DAS	
	cultivation because		732	Earthing up in groundnu		
	(a) Root elongation is ha	•	132.	(a) It facilitates peg penet		
	conditions in the rhizo	sphere		(b) It facilitates gypsum application		
	(b) Flowering is delayed			(c) Both a & b	rr ·····	
	(c) Pod development is ha	mpered		(d) Noneofthese		
	(d) Growth is arrested		733.	Phosphorus in ground nu	ut helps in	
721.	for growing crop at			(a) Root and kernel devel	_	
				(b) Formation and growth of nodule		
	(a) Sowing time			(c) Early flowering and P	egging	
	(b) 15 days before sowing		734.	(d) Only a & b are correct	t	
	(c) Pegging stage			Toxic and carcinogeni	c substance present in	
	(d) Time of irrigation			groundnut is		
722.	The inflorescence in grou			(a) Aflatoxin produce by		
	(a) Raceme	(b) Panicle		(b) Aflatoxin produce by	Aspergillus parasiticus	
	(c) Spikelets	(d) Ear		(c) Coumarins		
723.	The recommended seed	rate for spreading type		(d) Saponins		
	groundnut is	(b) 50 60 lra/ba	735.	TEMPO was set up in	(L) 10(0	
	(a) 80-90kg/ha(c) 70-80 kg/ha	(b) 50-60 kg/ha (d) 60-70 kg/ha		(a) 1986 (c) 1956	(b) 1968 (d) 1958	
	. ,	.,	=2.4			
724.	Bunch type of groundnut		736.		higher yield than Kharif	
	(a) Fastigata	(b) Procumbens		groundnut due to:(a) Better management		
	(c) Javanica	(d) Indica		(b) Less incidence of pest	and disease	
725.	Groundnut contains	.% of oil & protein		(c) Both a & b	and discuse	
	respectively	(1) 20 0 10		(d) Low temperature		
	(a) 40 & 18	(b) 38 & 18	737	- · · ·	l for synthesis of oil &	
	(c) 44-50 & 20-24	(d) 44-50 & 18-20	707.	protein	i for synthesis of on the	
726.	Sunflower has the seed m	-		(a) Calcium	(b) Sulphur	
	(a) 1:80	(b) 1:100		(c) Boron	(d) None of these	
	(c) 1:200	(d) 1:400	738.	is essential for	r development and proper	
727.	The groundnut seed is kn	own as		growth of groundnut		
	(a) Kernel	(b) Pod		(a) Calcium	(b) Sulphur	
	(c) Caryopsis	(d) Capsule		(c) Boron	(d) None of these	
728.	Groundnut crop needs		739.	Pop pod of groundnut is	due to deficiency of	
	(a) Warm& humid climate	* *		(a) Ca	(b) B	
	(c) Dry &Hot conditions	(d) Cold & Dry climate		(c) S	(d) Zn	

740.	Type of germination in G	Froundnut is	752.		infall requirement of Cotton
	(a) Hypogeal	(b) Epigeal		throughout its growin	_
	(c) Cleistogeal	(d) Viviparous		(a) 80cm	(b) 35cm
				(c) 50cm	(d) 100cm
	COMMERCIA	L CROPS	753.	Oil content in the cot	ton seed ranges from
	CROP : CO	TTON		(a) 10-15	(b) 25-30
5 41				(c) 15-25	(d) 30-35
/41.	Delinting of cotton seed r	nay be done with:	754.	Variety of cotton is	
	(a) Conc. Sulphuric acid(b) Conc. Citric acid			(a) H-777	(b) KCI
	(c) Sodium hydroxide			(c) ST-55	(d) OL-9
	(d) Ammonium chloride		755.	Recommended seed	rate for American cotton is
742.	Cotton belongs to family			(a) 12-15kg/ha	(b) 15-25kg/ha
	(a) Tilliaceae	(b) Malvaceae		(c) 25-30kg/ha	(d) 30-35kg/ha
	(c) Crucifereae	(d) none of these	756.	Spacing for America	n cotton is
743.	n=13, is the composition	of the following species of		(a) 30×15cm	(b) 45×20cm
740.	cotton			(c) 50×30cm	(d) 60×30cm
	(a) G. arboreum	(b) G. herbaceum	757.	Recommended seed	rate for Desi cotton is
	(c) G. hirsutum	(d) both (a) & (b)		(a) 8-12kg/ha	(b) 10-15kg/ha
744.	n=26, is the composition	of the following species of		(c) 30-35kg/ha	(d) 20-25kg/ha
	cotton		758.	Spacing for Desi cott	on is
	(a) G. herbaceum	(b) G. barbadense		(a) 60×30cm	(b) 45×20cm
	(c) G. hirsutum	(d) both (b) & (c)		(c) 60×15 cm	(d) 35×15 cm
745.	Desi cotton is		759.	The most damaging p	nests of cotton is
	(a) G. arboreum	(b) G. herbaceum	137.	(a) Pink boll worm	ests of cotton is
	(c) G. hirsutum	(d) both (a) & (b)		(b) American boll wor	rm
746.	American cotton is			(c) Spotted boll worm	
	(a) G. herbaceum	(b) G. barbadense		(d) Cotton Leaf Roller	
	(c) G. hirsutum	(d) both (b) & (c)	760.	Cycocel used in spray	ving a cotton is
747.	Group of cotton called as			(a) Herbicide	(b) Insecticide
	(a) G. herbaceum	(b) G. barbadense		(c) Hormones	(d) Fungicide
	(c) G. hirsutum	(d) G. arboretum	761.	Under what bill did co	otton farmers receive a direct
748.	•	n in about days after	.010		per pound of cotton?
	the squares are seen. (a) 18-24	(b) 24-30		(a) 2002 Adjusted cot	ton bill
	(c) 30-45	(d) 45-50		(b) 2002 sharecropper	's bill
740				(c) 2002 cotton bill	
749.	cotton is	ment for germination in		(d) 2002 farm bill	
	(a) 10°C	(b) 22°C	762.	Largest cotton produ	cer is
	(c) 16°C	(d) 30°C		(a) India	(b) USA
750.	Cotton plant can be cult	ivated to an altitude		(c) China	(d) Brazil
- **	(a) Above 1000 metres	(b) Upto 1000 metres	763.	Nitrogen fertilizer can	be top dressed to Cotton upto
	(c) Only upto 800 metres	· / 1		(a) Vegetative	(b) 1st flowering
751.	In terms of the area s	sown, which one of the		(c) Square formation	(d) Boll bursting
		es the most important	764.	1st Cotton varietal im during	provement work was started
	(a) Jute	(b) Cotton		(a) 1972	(b) 1960

(c) 1967

(d) 1970

(d) Groundnut

(c) Mustard

765.	(a) 10mm	(b) 25.4m	777.	tract	mainly cultivated in
	(c) 16.6mm	(d) 27.5mm		(a) Irrigated	(b) Dryland
766.	Varalaxmi is hybrid dev	eloped in		(c) Rainfed	(d) None of these
	(a) Rice	(b) Cotton	778.	The 1st commercial Hybr	rid cotton H-4 was released
	(c) Brinjal	(d) Brassica		in the year	
767.	The fineness of yarn is ex	apressed as		(a) 1970	(b) 1980
	(a) Hanks	(b) Count		(c) 1969	(d) 1999
	(c) Yards	(d) None of these	779.	The effective flowering	period of cotton ranges
768.	Delinting of cotton helps			fromdays	r
700.	(a) Grading the seed	, 111		(a) 20-35	(b) 35-45
	(b) Killng of hibernating bollworm larvae and disease			(c) 45-90	(d) 90-120
	pathogen	, oii	780.	Control Institute of Cott	on Research is located at
	(c) Quicker germination		700.	(a) Kanpur	(b) Nagpur
	(d) All of these			(c) Jabalpur	(d) Barackpur
769.	International year of "fi	hre" is		*	•
707.	(a) 2008	(b) 2009	781.	-	y suffers from moisture
	(c) 2010	(d) 2011		stress during dev	
770		(a) 2 011		(a) Capsule	(b) Boll
770.	MCU 5 is a			(c) Square	(d) None of these
	(a) Extra long staple cotto(b) Medium long staple cotto		782.	Topping in Cotton is don	e atmetre height
	(c) Short long staple cotto			(a) 1-1.2	(b) 0.5-1.0
	(d) Superior long staple c			(c) 1.2-1.5	(d) 2
771			783.	The range for Ginning pe	ercentage of G. barbadense
771.	Among the Cotton cultive pre-dominant species?	rated species, which is the		is	9
	(a) G. hirsutum			(a) 28-30	(b) 33-38
	(b) G. herbaceum			(c) 36-42	(d) 45-51
	(c) G. arboreum		784	Bad opening of boll in C	otton is known as
	(d) G. barbadense		704.	(a) Mareck	(b) Tirak
772		. 1		(c) dead boll	(d) none of these
112.	The ratio of cotton seed to		=0=		
	(a) 1:2	(b) 1:3	785.	The oil content in the con	O
	(c) 2:1	(d) 4:1		(a) 10-15%	(b) 15-25
773.		on of Hybrid cotton is		(c) 25-35	(d) 40-42
	aroundpla		786.	Weight of 1 bale of cotto	n is equal to
	(a) 10000	(b) 20000		(a) 160kg	(b) 170kg
	(c) 30000	(d) 50000		(c) 180kg	(d) 178kg
774.	of cotton Hybrid	an nectariless are parents	787.	In most G.hirsutum Varie develops on themain	ties, the 1st fruiting branch
	(a) Hybrid-4	(b) Varalaxmi		(a) 4-5th	(b) 5-7th
	(c) Hybrid-6	(d) Vikram		(c) 8-9th	(d) 9-10th
775.	The cotton growing area divided intozones	n in India can be broadly	788.	The state which has	initiated the monopoly
	(a) 4	(b) 3		procurement of cotton is	
	(c) 5	(d) 2		(a) Gujarat	(b) Maharashtra
776.	. ,	l extra long G. barbadense		(c) Madhya Pradesh	(d) West Bengal
	cotton was released in th		789.	The 1st extra long staple	variety released in India is
	(a) 1969	(b) 1979		(a) MCU5	(b) MCU6

(c) MCU7

(c) 1989

(d) 1999

(d) MCU9

790.	Which of the following is (a) Sabitha (c) DCH-32 	transgenic Bt. Hybrid? (b) Varlaxmi (d) Brahma	802.	White jute variety suitab (a) JRC 321 (c) D 154	le for all conditions is (b) JRC 212 (d) JRC 4444
791.	In G. barbadense the only	. ,	002		
771.	is (a) Subin (c) Dharwad	(b) Varalaxmi (d) Anjali	803.	The wild species of jute is (a) Corchorus antichorous (b) Corchorus acutangulus (c) Both a & b	3
792.	Anthracnose of Cotton is	-		(d) None of these	
	(a) Colletotrichum falcatu(b) Colletotrichum indicus(c) Colletotrichum gleoes(d) Colletotrichum capsic	m poroides	804.	Retting is a process by what (a) The poor fibre stalk is (b) The fibre in the bark a from woody stalk	
793.	Toxic substance present i			(c) The good quality fibre	
	(a) Dhurin	(b) Gossypols		(d) Fibre are differentiated	d into various retted groups
	(c) Lantradene-A	(d) neurotoxin	805.	Common weed associated	•
794.	What is seed rate of planting geometry is 75	cotton in kg/ha, if the X 50 cm and test weight,		(a) Ipomea(c) Orobanche	(b) Striga(d) Cuscuta
	germination and purity p		007		(u) Cuscuta
	95% respectively		806.	Mesta is a (a) Oilseed crop	(b) Pulse crop
	(a) 4.37	(b) 4.0		(c) Fibre crop	(d) Medicinal crop
	(c) 2.07	(d) 5.21	207		. ,
			807.	Sisal (agave) plant is pop (a) Century plant	(b) Sunnhemp
	CROP: JUTE AND A	ALLIED FIBRES		(c) Flax	(d) Ramie
795.	The process of dipping o	f jute bundles in water is	808.	The fibre of mesta is obta	
	called		000.	(a) Roselle	(b) Jute
	(a) Steeping(c) Retting	(b) Extraction(d) None of these		(c) Ramie	(d) Flax
=0.6	.,		809.	Which of the following	fibre is blended with
796.	Ribboning is associated v (a) Cotton	(b) Jute		plastics?	,
	(c) Linseed	(d) Sunnhemp		(a) Sisal	(b) Flax
707	Leading jute producing s	•		(c) Jute	(d) Sunhemp
191.	(a) Assam	(b) West Bengal	810.	Fibre used for preparat	ion of tissue papers and
	(c) Uttar Pradesh	(d) Orissa		currency is	4) 6 1
798.	Which of the followings	is associated with fibre		(a) Jute	(b) Sunnhemp
	crops?		044	(c) Agave	(d) Mesta
	(a) Nipping	(b) Retting	811.	Sunnhemp is botanically	
	(c) Propping	(d) Curing		(a) Crotalaria juncea(c) Linum usitatissimum	(b) Agave sisalana
799.	Jute belongs to family		012		
	(a) Pedaliaceae	(b) Tiliaceae	812.	Seed of which crop is su adhesives	itable for preparation of
	(c) Malvaceae	(d) Solanaceae		(a) Sunnhemp	(b) Linseed
800.	White jute is taxonomica	lly known as		(c) Sisal	(d) Ramie
	(a) Corchorus capsularis(b) Corchorus olitorius		813.	Bombay hemp or Banara	
	(c) Corchorus trilocularis		- -	(a) Sunnhemp	(b) Jute
	(d) Corchorus tridents			(c) Sisal	(d) Linseed
801.	Tossa jute is botanically l	known as	814.	Sisal belongs to the famil	y
J J 11	•	(b) Corchorus cansularis		(a) Liliaceae	(b) Pedaliaceae

(c) Tiliaceae

(c) Corchorus trilocularis (d) Corchorus tridents

(d) Asparagaceae

815.	Under and over retting o	=	828.		ed rate for sugar beet is
	(a) Poor quality fibre	(b) Good quality fibre		kg/ha	(L) 12 15
	(c) Croppy fibre	(d) Gramineae		(a) 8-10 (c) 15-18	(b) 12-15 (d) 20-25
816.	The term stripping is ass		020		. ,
	(a) Tobacco	(b) Jute	829.		eet could be achieved by:
	(c) Cotton	(d) Tea		(a) Use of higher dose of	
817.	Which of the following is	a parenchymatus fibre		(b) Adequate amount of	
	(a) Cotton	(b) Jute		(c) No nitrogen applicat(d) Closer planting	11011
	(c) Sunnhemp	(d) None of these	020		
818.	The best observed pH for	· jute cultivation is	830.	· ·	ction from roots is due to
	(a) $5.0 - 5.5$	(b) 6.0 – 7.5		(a) Use of higher dose of	
	(c) $7.5 - 8.5$	(d) 8.5 -9.5		(b) Use of excess dose of	
819.	The optimum sowing tim	e of cansularis Jute is		(c) No nitrogen applicat(d) Closer planting	HOH
0171	(a) March-April	(b) February –March	024		
	(c) April-May	(d) May-June	831.		ablished sugar factory by
820.	For fibre purpose, Jute,	•		processing of beet roots (a) F.C.Achard	(b) Mac-Mohan
020.	time	may be narvested at any		(c) N.E.Borlouge	(d) K.C. Mehta
		(b) After flowering	022		(d) K.C. Wichta
	(c) Before pod formation	` '	832.	Sugar beet is a	(h) Manatalala anan
821.	Green manuring of sunnl			(a) Salad crop(c) Sugar crop	(b) Vegetable crop(d) Tuber crop
021.	kg N/ha to the soils on			., .	•
	(a) 20-40	(b) 40-60	833.	0	_
	(c) 60-80	(d) 100-120		(a) Chenopodiaceae	(b) Crucifereae
822.	Sunnhemp belongs to the	family		(c) Gramineae	(d) Liliaceae
·		-	834	In sugar beet the sucros	se is found in
	(a) Leguminosae	(b) Gramineae	00 11	_	
	(a) Leguminosae(c) Compositae	(b) Gramineae(d) Tiliaceae	001.	(a) Stem	(b) Roots
912	(c) Compositae	(d) Tiliaceae	001.	(a) Stem(c) Leaves	(b) Roots(d) Flower
823.	(c) Compositae The optimum temperature	(d) Tiliaceae re for retting of jute is	835.	(a) Stem(c) LeavesSugar beet is grown in	(b) Roots (d) Flowerseason
823.	(c) Compositae The optimum temperature (a) 20-25°C	(d) Tiliaceae re for retting of jute is (b) 25-30°C		(a) Stem(c) LeavesSugar beet is grown in(a) Kharif	(b) Roots (d) Flowerseason (b) Rabi
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C		(a) Stem(c) LeavesSugar beet is grown in	(b) Roots (d) Flowerseason
	(c) Compositae The optimum temperatur (a) 20-25°C (c) 30-35°C The ideal stage of harves	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C	835.	(a) Stem(c) LeavesSugar beet is grown in(a) Kharif	(b) Roots (d) Flower season (b) Rabi (d) All of them
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose	835.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 	(b) Roots (d) Flower
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage	835.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar 	(b) Roots (d) Flowerseason (b) Rabi (d) All of them content is%
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 	(b) Roots (d) Flower
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 	(b) Roots (d) Flower
	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar 	(b) Roots (d) Flower
824.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 	(b) Roots (d) Flower
824.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (b) 6-8 	(b) Roots (d) Flower
824.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is	835. 836.	 (a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar beet 	(b) Roots (d) Flower
824. 825.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear	835. 836.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (b) 35-50	(b) Roots (d) Flower
824.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of	835. 836. 837.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (b) 35-50	(b) Roots (d) Flower
824. 825.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (b) Spikelets Optimum temperature	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of	835. 836. 837.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (c) 35-50 The optimum row to re	(b) Roots (d) Flower
824. 825.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets Optimum temperature sugar beet ranges between	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of	835. 836. 837.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (c) 35-50 The optimum row to rome	(b) Roots (d) Flower
824. 825.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets Optimum temperature sugar beet ranges between (a) 21-37 °C (c) 20-25 °C	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of in (b) 25-30 °C (d) None	835. 836. 837.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (c) 35-50 The optimum row to ro	(b) Roots (d) Flower
824. 825. 826.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets Optimum temperature sugar beet ranges between (a) 21-37 °C (c) 20-25 °C	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of in (b) 25-30 °C (d) None for growth and sugar	835. 836. 837. 838.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (c) 35-50 The optimum row to ro	(b) Roots (d) Flower
824. 825. 826.	(c) Compositae The optimum temperature (a) 20-25°C (c) 30-35°C The ideal stage of harves is (a) One month old stage (c) Flowering stage CROP: SUGA The inflorescence in sugar (a) Siliqua (c) Spikelets Optimum temperature sugar beet ranges between (a) 21-37 °C (c) 20-25 °C Optimum temperature	(d) Tiliaceae re for retting of jute is (b) 25-30°C (d) 35-40°C t of jute for fibre purpose (b) Bud stage (d) Mature pod stage ARBEET r beet is (b) Open panicle (d) Ear towards germination of in (b) 25-30 °C (d) None for growth and sugar	835. 836. 837. 838.	(a) Stem (c) Leaves Sugar beet is grown in (a) Kharif (c) Zaid In sugar beet the sugar (a) 15-16 (c) 6-8 In sugar beet the sugar (a) 15-16 (c) 6-8 A good crop of sugar be (a) 15-16 (c) 35-50 The optimum row to ro	(b) Roots (d) Flower

(c) Wilt

(d) Smut

841.	The optimum plant pop	ulation for sugar beet is	853.	Sugarcane cut for see have:	ed-setts should essentially
	(a) 50,000	(b) 60,000		(a) One bud	(b) Two buds
	(c) 70,000	(d) 1,00,000		(c) Three buds	(d) Four buds
842.	Optimum fertilizer requi (a) 120-80-80	(b) 120-60-40	854.	against fungal diseases.	nould be treated with
	(c) 120-60-80	(d) None		(a) Diathane M-45(c) Thiram	(b) Zineb
843.	The critical period for consugar beet is	rop weed competition in hys (b) 50-60 (d) 45-55	855.	The autumn planting successful when planted (a) September	(b) October
844.	Weeds in sugar beet can	be effectively controlled		(c) November	(d) February
	by (a) Pyramin (c) Betanol	(b) Sirmet (d) All	856.	Hot water treatment of because (a) It increases germinat (b) It controls the seed b	
845.	Weeds in sugar beet can by post emergence applic (a) Pyramin (c) Betanol	·		(c) It breaks dormancy.	onversion of sucrose into
846.	Weeds in sugar beet can by pre emergence applica (a) Pyramin	effectively be controlled	857.	Autumn sown crop of fertilizer than that of with (a) Equal (c) Less	f sugarcane requires inter sown. (b) More (d) Half
	(c) Betanol	(d) All	050		(d) Hall
847.	Use of Linear measurement a vigour test for Cereals suggested by (a) S. Mathews 1929	ents of plumule growth as and sugarbeet was first (b) J.S Burris 1939	858. 859.	 (a) 1.5 - 3 t/ha (c) 3 - 4 t/ha Bunchy top in sugarcan 	· ·
	(c) Germ 1949	(d) Hegarty 1959		(a) Root borer	(b) Sugarbeet
848.	Sugarbeet is a pla	nt	0.40	(c) Internode borer	(d) Top shoot borer
	(a) annual (c) perennial	(b) biennial(d) none of these	860.	'Ratooning' is practised(a) Sugarbeet and sugard(b) Sugarbeet and maize	
849.	Sugar beet matures in (a) April/May(c) September/October	(b) June/July(d) January/February		(c) Sugarcane and napie(d) Sugarcane	r grass
	CROP : SUG		861.	Trench method of sugar (a) North India(c) Coastal areas	(b) Western India (d) Waterlogged area
050		_	862.	Which portion of sugar	cane stalks is preferred for
850.851.	because it (a) Enhances germination (c) Enhances tillering	(b) Reduces lodging (d) all the above ial for sugar translocation		sowing purposes? (a) Top one-third to half (b) Top one-fourth portio (c) Bottom one-fourth portio (d) bottom one-third to half	on ortion
	in sugarcane? (a) P	(b) K	863.	germination due to	nn sugarcane reduces the
	(c) B	(d) Mo		(a) Short day	
852.	Most serious disease of su (a) Red stripe	agarcane is (b) Red rot		(b) rost(c) Low temperature	

(d) High humidity

864.	In trash mulching, the controlled due to	e early shoot borer is	877.	First intergenetic hybrid (a) 1916	(b) 1996
	(a) Increase the air flow	mataria!		(c) 1936	(d) 1966
	(b) Reducing the feeding material(c) Change in the micro climate		878.	Molasses is used for the	production of
	(d) None of these	imac		(a) Alcohol	(b) Sugar
965		4. :- 14- J -4		(c) Glucose	(d) Gur
865.	Indian Sugarcane Institu(a) Kanpur(c) Coimbatore	(b) Lucknow	879.	the use of	ratooning is controlled by
		(d) Nagpur		(a) ZnSO4	(b) MnSO4
866.	AICRP on sugarcane star			(c) FeSO4	(d) CuSO4
	(a) 1970-71(c) 1985-86	(b) 1980-81 (d) 1966-67	880.	Sugarcane generally tal germination	kes weeks for its
867.	Wonder cane is			(a) 1-2	(b) 2-3
	(a) COC 671	(b) CO 86032		(c) 3-4	(d) 5-8
	(c) COC 417	(d) CO 86029	881.	In India, sugarcane g	rowing area is classified
868.	Leaf bleaching in sugarca	ane is due to		intozones	
	(a) Fe deficiency	(b) Fe toxicity		(a) 3	(b) 8
	(c) Mn deficiency	(d) Mn toxicity		(c) 5	(d) 15
869.	Which crop gives highest (a) Autumn planted	sugarcane yield	882.	Critical period for c sugarcane is	rop weed competion in
	(b) Spring planted			(a) 1 month	(b) 2 months
	(c) Summer planted			(c) 3 months	(d) 4 months
	(d) All the above		883.	Sugarcane zone prod	luces the highest sugar
870.	Brix reading in field is me	easured through		recovery in India is	
	(a) planimeter	(b) Tensiometer		(a) Central zone	
	(c) Hydrometer	(d) Hand refractometer		(b) North zone	
871.	Crop logging technique developed by	ue in Sugarcane was		(c) East zone(d) Coastal zone	
	(a) Dr.H.F.Clements	(b) Dr.R.S.Paroda	884.	Which among the micr	o nutrient has greater role
	(c) Dr.N.E.Borlaug	(d) none of these		in juice quality of sugar	cane?
872.	Which among the following	ng is most suitable variety		(a) B	
	for ratooning			(c) Cu	(d) Mn
	(a) CO 1148	(b) CO 997	885.	• •	on is more economical in
	(c) CO 527	d) All the above		sugarcane cultivation?	4 > =
873.	The first manmade India	-		(a) Flood	(b) Furrow
	(a) CO 205	(b) CO 419		(c) Skip-furrow	(d) All of these
874.	(c) CO 213 In space transplanting	(d) CO 449 (STP) the quantity of	886.	production of gur is	ne produced is used for
	sugarcane required is			(a) 5-10	(b) 10-20
	(a) 2 t/ha	(b) 6 t/ha		(c) 30-35	(d) 40-50
875.	(c) 4 t/ha Which of the following is	(d) 5 t/ha s a chemical clarificant of	887.	First successful hybrid Coimbatore is	of sugarcane developed at
010.	sugarcane juice	, chemicai ciai ilicant VI		(a) CO 449	(b) Co 997
	(a) Lime water	(b) Sodium Carbonate		(c) CO 205	(d) Co 975
	(c) alum	(d) All of these	888.	How many percent of k	Khandsari can be obtained
876.	Generally sugarcane flow	vers in months		from Gur refined	
	(a) 9-12	(b) 6-8		(a) 37.5%	(b) 20.0%
	(c) 4-6	(d) 11-12		(c) 42.5%	(d) 22.5%

(c) Economic botanist

(d) None of these

889.	The sugarcane is a		902.	_	cultivation can be classified
	(a) Intermediate photoperiod			into ecosystems?	
	(b) Short day photoper	iod		(a) 2	(b) 3
	(c) Long day photoperi	od		(c) 4	(d) 5
	(d) All the above		903.	Which cane is known	as "Chinese cane"?
890.	For harvest of sugarca	ne the brix ratio of the lower		(a) S. sinense	(b) S. officinarum
	and above portion of t			(c) S. robustum	(d) None of these
	(a) 0.2-0.3	(b) 0.5-0.6	904.	Which one is con-	sidered as wild species of
	(c) 0.7-0.8	(d) 0.9-1.0	704.	sugarcane?	sidered as wild species of
891.	The young inflorescen	ce of sugarcane is called a		(a) S. robustum	(b) S. officinarum
0,1.	(a) spike	(b) Arrow		(c) S. sinense	(d) None of these
	(c) Tassel	(d) Panicle	905.		s Indian species of sugarcane?
892.		e budded sets needed for	903.	(a) S. officinarum	(b) S. barberi
094.	planting one hectare o			(c) S. robustum	(d) None of these
	(a) 10-15 thousand	(b) 15-25 thousand	006	· /	` '
	(c) 35-40 thousand	(d) 50-60 thousand	906.	e e	n has cultivated species
002				(a) 2	(b) 3
893.	•	rcane stalk is not preferred		(c) 5	(d) 7
	for sowing purposes (a) Top one third to helf portion		907.	•	garcane used for planting are
	(a) Top one-third to half portion(b) Top one- fourth portion(c) Bottom one-fourth portion			known as	
				(a) Internode	(b) Node
				(c) Sett	(d) Stalk
00.4	(d) Bottom one third to half portion		908.	-	d to be matured when purity
894.	The top portion of sugarcane should be selected for seed purposes because bud tissues are rich in			% of juice is	
				(a) Over 70%	(b) Over 80%
	(a) Sucrose	(b) Glucose		(c) Over 85%	(d) Over 90%
	(c) Galactose	(d) Maltose	909.	The P2O5 contents	of press mud cake (PMC) is
895.	Sugar recovery from s	.		around	
	(a) 9.2-11	(b) 7.5-9		(a) 1-3%	(b) 5-7%
	(c) 10-15	(d) 15-18		(c) 3-4%	(d) None of these
896.	Rayungans is seed mat	terial associated with	910.	At the junction of s	sheath and blade there is a
	(a) Rice	(b) Elephant		membranous attachn	nent in cane is known as
	(c) Sugarcane	(d) Pearlmillet		(a) Ligule	(b) Auricle
897.	Brix measures			(c) Peduncle	(d) None of these
	(a) TSS	(b) SNF	911.	The 'Brix' value in	n sugarcane juice gives an
	(c) Fat	(d) None of these	, 111	estimate of	in sugareume jaree grees an
898.	Sugarcane Breeding In	istitute is located at		(a) Total soluble gluce	ose
070.	(a) Kanpur	(b) Lucknow		(b) Total soluble suga	
	(c) Coimbatore	(d) Delhi		(c) Total soluble sucre	
000				(d) Total soluble solid	
899.	National Sugar Institu		912.		
	(a) Kanpur	(b) Lucknow	912.	(a) Molasses	(b) Press mud
	(c) Coimbatore	(d) Delhi		` '	(d) None of these
900.	· ·	rcane Research is located at		(c) Jaggery	(u) INDIE UI HIESE
	(a) Lucknow	(b) Kanpur			
	(c) Coimbatore	(d) Delhi		CROP: 1	ГОВАССО
901.	Dr. Barber associated	with sugarcane was	913.	The center of origin of	of tobacco is
	(a) Agronomist	(b) Physiologist		(a) India	(b) S.America

(c) S. Africa

(d) None

914.	Flue Cured Virginia (used in the manufactur	FCV) quality of tobacco is re of	925.	Nicotine content of the le	eaves of Nicotiana tobacum			
	(a) Bidi	(b) Cigarettes		(a) 5-5.5 %	(b) 3-4.5 %			
	(c) Cigar	(d) Chewing		(c) 8-13 %	(d) 3.5-8 %			
915.	In tobacco, the correspractices is (a) Topping- Desuckeri	ect chronological order of ng- Priming	926.	Rainfall at the time of maturity of tobacco is no desired as it causes (a) Washing of gums and resins from leaf				
	(b) Desuckering- toppin(c) priming- desuckerin(d) priming- topping- d	ag- topping		(b) Lodging(c) Rotting of leaves(d) Shattering of leaves				
916.	state is	of tobacco is highest in the	927.	Tobacco belongs to the and a Compositeae	(b) Gramineae			
	(a) Punjab	(b) Haryana		(c) Solanaceae	(d) Leguminoseae			
	(c) Andhra Pradesh	(d) Uttar Pradesh	928.	•	owing nursery of tobacco is			
917.	The inflorescence in to			(a) First fortnight of September				
	(a) Receme	(b) Panicle		(b) Second fortnight of S	-			
	(c) Spikelets	(d) Ear		(c) First fortnight of Aug				
918.		for germination of tobacco		(d) Second fortnight of A				
	is (a) 10 °C (b) 28 °C	(b) 15 °C	929.	seedlings for 1 ha area i				
	(c) 28 °C	(d) 20 °C		(a) 2-3 kg (c) 23 kg	(b) 4-5 kg (d) 45 kg			
919.		d rate for tobacco for 1 ha	020		. ,			
	nursery (a) 8-10 kg/ha	(b) 2-3kg/ha	930.	11 8	present in the axil of leaves			
	(c) 5-8 kg/ha	(d) 10-12kg/ha		(b) Removal of leaves	present in the axii of leaves			
920.		ality of tobacco could be		(c) Removal of terminal(d) Burning of leaves	buds			
	(a) Use of higher dose of	of phosphate	931.	Deshi type tobacco is				
	(b) Adequate amount of			(a) Nicotiana tobacum	(b) Nicotiana rustica			
	(c) No nitrogen applica	tion		(c) Both	(d) None of these			
	(d) Liberal amount of K		932.	The basic aim of top	ping and desuckering of			
921.	Tobacco yield is largely	y reduced mainly due to		tobacco is				
	(a) Cold wind at the flo	wering stage		(a) To reduce the plant h	_			
	(b) Attack of aphids			(b) To enlarge branching	•			
	(c) Lack of adequate fe(d) Failure to apply Irri	rtilizer application gation in flowering stage		leaves	nutrient from flower head to			
922.		se tobacco seedlings by for		(d) To protect the plants	against loaging			
	transplanting one hect		933.	v v 1	(I.) NI			
	(a) 100sqm(c) 250sqm	(b) 50sqm (d) 400sq		(a) Nicotiana tobacum(c) Both	(b) Nicotiana rustica(d) None of these			
022	•	•	024					
923.	between %	of tobacco leaves must vary	934.	Which of the following (a) Yellowing	(b) Fixing colour			
	(a) 0.5-1.0	(b) 1.5-2.0		(c) Drying	(d) All the above			
	(c) 2.0-2.5	(d) 3.0-3.5	935.	•	of tobacco seedlings for			
924.	ranges between	e leaves of Nicotiana rustica		Kharif season is	rrigated condition during			
	(a) 2-5.5 %	(b) 3-4.5 %		(a) 2 leaf stage	(b) 4 leaf stage			

(c) 6 leaf stage

(d) 8 leaf stage

(c) 1.5-3.0 %

(d) 1.75-2.0 %

936.	The fruits of tobacco i		948.		ion of			
	(a) Capsule	(b) Pod		chewing and bidi type to				
	(c) Siliqua	(d) Caryopsis		(a) Increases yield and decrease quality				
937.		g factor for quality curing		(b) Increases quality and decreases yield(c) Increases both quality and yield				
	and yield			(d) Decreases both quality	•			
		(b) Sunlight	0.40	•				
	(c) Humidity	(d) All	949.	from	ured tobacco is obtained			
938.		sults in poor burning quality		(a) Partially N starved pla	ants			
	of leaves.	(1) Pl 1		(b) N sufficient plants	1111.5			
	(a) Chloride	(b) Phosphorus		(c) Excess N supplied pla	ants			
	(c) Potassium	(d) Sulphur		(d) All of the above				
939.		is better for production of	950	. ,	supplied through to			
	superior quality leaves		750.	tobacco	supplied through to			
	` /	(b) Strongly Alkaline(d) Strongly acidic		(a) MoP	(b) SoP			
0.40				(c) SSP	(d) None of the above			
940.		or cultivation of bidi tobacco	951.	Chloride application	in tobacco			
	cultivation (a) Medium loams (b) Sandy loams			(a) Decreases quality				
	(c) Heavy	(d) Sandy to silt loams		(c) No effect on quality				
0.41	•	•	952.	Thick leaves and broste	ning of leaves in tobacco			
941.	cultivation	for binder (cigar) tobacco	, , ,	is due to	and or real to an econocio			
		(b) Sandy loams		(a) Cl	(b) Ca			
	(c) Heavy	(d) Sandy to silt loams		(c) Mg	(d) B			
042	•	` '	953.	Thin leaves in tobacco is	due to deficiencies of			
942.	cultivation	ble for cigarette tobacco		(a) Cl	(b) Ca			
		(b) Light and Sandy soils		(c) Mg	(d) B			
	(c) Heavy	(d) Sandy to silt loams	954.	Sand down tobacco is du	e to			
943.	•	r hookah tobacco cultivation		(a) Cl	(b) Ca			
<i>7</i> 43.		(b) Light and Sandy soils		(c) Mg	(d) B			
	(c) Heavy	(d) Sandy to silt loams	955.	Thickening in lower leav	es in tobacco is due to			
944.	•	most suitable for tobacco	,	(a) Cl				
744.	cultivation	most suitable for tobacco		(c) Mg	(d) B			
	(a) 6-7	(b) 7-8	956.	Transplanting of winter	crop of tobacco is done in			
	(c) 5-6	(d) 4-5	, , ,	(a) September-October	or op or vooducto 10 uone 111			
945.	` /	dlings for transplanting N .		(b) November-December				
743.	tobaccum tobacco is			(c) October-November				
	(a) 6-7	(b) 7-8		(d) March-April				
	(c) 5-6	(d) 4-5	957.	Transplanting of Summe	er crop of tobacco in done			
946.	ontimum age of so	eedlings for transplanting		in	.			
<i>,</i> 10.	N.rustica tobacco is			(a) May-June	(b) February-March			
	(a) 6-7	(b) 7-9		(c) November-December	(d) March-April			
	(c) 5-6	(d) 4-5	958.	is a total root pa	rasite in tobacco			
947.	Heavy nitrogen application of smoking type tobacco			(a) Striga	(b) Orobanche			
				(c) Cuscuta	(d) All			
	(a) Increases yield and		959.	Pre planting application	on of EPTC@6kg/ha is			
	(b) Increases quality an	nd decreases yield		recommended in tobacco				
	(c) Increases both qual	ity and yield		(a) Striga	(b) Orobanche			
	(d) Decreases both qua	lity and yield		(c) Cuscuta	(d) All			

960.	The process of remova upper leaves in tobacco	l of flower heads with few	970.	Use of on top 6 axils suppresses emergence of suckers			
	(a) Desuckering	(b) Topping		(a) NAA	(b) MH		
	(c) Deheading	(d) None of these		(c) Coconut oil	(d) None		
961.	Topping results in impr		971.		2% suppresses the emergence		
	(a) Quality	(b) Size		of suckers in cheroo			
	(c) Texture	(d) All of these		(a) NAA	(b) MH		
962.	Topping results in d	liversion of energy and		(c) Coconut oil	(d) None of the above		
	nutrients to		972.	Flue cured tobacco i	is raized with low level		
	(a) Leaves	(b) Stem		(a) N	(b) P		
	(c) Fruits	(d) Flowers		(c) K	(d) Cl		
963.	The effect of topping is	more pronounced in	973.	Flue cured tobacco is harvested by method			
	(a) Younger leaves	Younger leaves (b) Middle		(a) Priming	(b) Stock Cut		
	(c) Older leaves	(d) All the above		(c) Both	(d) None of the above		
964.	Topping of inflorescence	e is known as	974.	Which one of the following is not a stage of curing			
	(a) Topping high	(b) Topping low		(a) Yellowing	(b) Fixing color		
	(c) Topping full	(d) None of these		(c) Hardening	(d) Drying		
965.	Topping of inflorescend	ce along with few leaves is	975.	Which of the following	ing is air cured tobacco		
	known as			(a) Wrapper	(b) Chewing		
	(a) Topping him	(b) Topping low		(c) Bidi	(d) Cigarette		
	(c) Topping full	(d) None of these	976.	Which one of the fol	llowing is fire cured tobacco		
966.	Branching in tobacco is	due to		(a) Wrapper	(b) Chewing		
	(a) Topping	(b) Desuckering		(c) Bidi	(d) Cigarette		
	(c) Both	(d) None of these	977.	Method of harvestin	og in tobacco is called		
967.	Removal of suckers in t	obacco is known as	<i>,,,,</i>	(a) Nipping	ig in tobacco is cancu		
	(a) Topping	(b) Desuckering		(b) Priming			
	(c) Suckering	(d) De-topping		(c) Striping			
968.	To obtain the benefit of	topping in tobacco Is		(d) Reaping			
<i>,</i> 00.	necessary	topping in tobacco time is	978		following is not a method of		
	(a) Topping	(b) Desuckering	770.	curing in tobacco	ionowing is not a method of		
	(c) Suckering	(d) All of the above		(a) Fire			
969.	Desuckering is not required in type tobacco			(b) Sun			
	(a) Bidi	(b) Wrapper		(c) Chemical			
	(c) Cigarette	(d) Hookah		(d) Air			
	() = 0						

Answer Key

1	a	46	d	91	d	136	a	181	a
2	d	47	d	92	d	137	d	182	a
3	d	48	d	93	d	138	d	183	a
4	d	49	d	94	c	139	d	184	b
5	с	50	d	95	d	140	d	185	b
6	a	51	d	96	d	141	d	186	b
7	b	52	d	97	d	142	d	187	b
8	b	53	d	98	d	143	a	188	a
9	a	54	d	99	b	144	a	189	a
10	b	55	d	100	d	145	d	190	С
11	a	56	d	101	d	146	d	191	c
12	a	57	d	102	a	147	d	192	a
13	a	58	d	103	b	148	d	193	С
14	d	59	a	104	b	149	a	194	d
15	c	60	a	105	d	150	c	195	d
16	b	61	b	106	a	151	c	196	c
17	a	62	b	107	c	152	b	197	c
18	d	63	d	108	b	153	d	198	a
19	a	64	d	109	d	154	a	199	d
20	d	65	d	110	С	155	d	200	С
21	d	66	d	111	d	156	b	201	b
22	d	67	d	112	d	157	a	202	b
23	a	68	d	113	c	158	a	203	a
24	d	69	d	114	d	159	b	204	d
25	a	70	d	115	d	160	c	205	a
26	d	71	d	116	a	161	a	206	a
27	c	72	d	117	a	162	b	207	С
28	c	73	d	118	a	163	b	208	b
29	b	74	d	119	d	164	b	209	d
30	b	75	d	120	a	165	a	210	a
31	a	76	d	121	a	166	b	211	c
32	d	77	d	122	a	167	a	212	a
33	a	78	С	123	d	168	d	213	b
34	d	79	d	124	С	169	С	214	a
35	d	80	d	125	d	170	b	215	a
36	b	81	d	126	d	171	b	216	b
37	d	82	d	127	d	172	b	217	b
38	a	83	d	128	d	173	b	218	a
39	d	84	a	129	c	174	d	219	d
40	d	85	d	130	С	175	a	220	a
41	b	86	С	131	a	176	b	221	a
42	a	87	d	132	d	177	a	222	С
43	b	88	d	133	d	178	c	223	a
44	d	89	d	134	d	179	b	224	a
45	a	90	d	135	d	180	С	225	a

	1	1		1	1	1	1	1	1
226	a	271	a	316	b	361	b	406	b
227	c	272	b	317	a	362	С	407	d
228	d	273	с	318	a	363	a	408	с
229	c	274	с	319	b	364	c	409	c
230	b	275	b	320	b	365	b	410	a
231	b	276	b	321	b	366	d	411	b
232	c	277	b	322	b	367	b	412	a
233	c	278	с	323	b	368	c	413	a
234	c	279	с	324	d	369	a	414	b
235	a	280	a	325	a	370	b	415	a
236	d	281	d	326	d	371	d	416	a
237	d	282	b	327	c	372	c	417	с
238	c	283	b	328	a	373	b	418	d
239	a	284	b	329	a	374	c	419	С
240	b	285	с	330	d	375	b	420	d
241	a	286	d	331	d	376	a	421	b
242	с	287	d	332	a	377	a	422	с
243	a	288	c	333	a	378	b	423	c
244	c	289	d	334	b	379	c	424	d
245	c	290	a	335	b	380	a	425	a
246	c	291	b	336	a	381	a	426	c
247	b	292	b	337	b	382	c	427	d
248	a	293	c	338	c	383	b	428	c
249	b	294	a	339	d	384	c	429	c
250	d	295	a	340	a	385	a	430	c
251	d	296	b	341	a	386	b	431	d
252	b	297	a	342	a	387	a	432	a
253	d	298	b	343	d	388	a	433	b
254	c	299	c	344	a	389	b	434	a
255	c	300	a	345	b	390	a	435	d
256	d	301	a	346	a	391	d	436	c
257	c	302	a	347	b	392	c	437	c
258	c	303	a	348	c	393	a	438	b
259	c	304	с	349	a	394	d	439	a
260	a	305	b	350	c	395	a	440	a
261	c	306	b	351	c	396	a	441	c
262	b	307	a	352	d	397	a	442	c
263	b	308	b	353	a	398	d	443	a
264	c	309	a	354	a	399	c	444	b
265	a	310	b	355	b	400	d	445	a
266	a	311	a	356	с	401	b	446	b
267	a	312	a	357	a	402	b	447	d
268	a	313	a	358	b	403	a	448	b
269	a	314	a	359	d	404	a	449	c
270	a	315	a	360	d	405	с	450	с

451	a	496	d	541	b	586	a	631	d
452	c	497	d	542	c	587	c	632	d
453	b	498	d	543	b	588	a	633	c
454	a	499	d	544	d	589	a	634	d
455	c	500	d	545	d	590	a	635	b
456	a	501	c	546	d	591	a	636	b
457	c	502	a	547	a	592	d	637	a
458	c	503	b	548	b	593	d	638	a
459	a	504	c	549	b	594	b	639	a
460	a	505	c	550	c	595	b	640	a
461	a	506	a	551	d	596	a	641	a
462	a	507	с	552	d	597	b	642	С
463	a	508	a	553	c	598	b	643	c
464	a	509	b	554	d	599	С	644	d
465	a	510	b	555	d	600	С	645	С
466	b	511	a	556	d	601	d	646	b
467	d	512	d	557	d	602	С	647	a
468	c	513	С	558	c	603	b	648	a
469	a	514	d	559	a	604	С	649	a
470	b	515	b	560	d	605	d	650	С
471	d	516	С	561	d	606	b	651	a
472	a	517	d	562	С	607	a	652	С
473	a	518	a	563	d	608	ь	653	b
474	b	519	d	564	d	609	b	654	a
475	С	520	a	565	С	610	ь	655	b
476	b	521	С	566	b	611	d	656	a
477	d	522	b	567	d	612	a	657	С
478	d	523	b	568	a	613	b	658	d
479	b	524	С	569	С	614	a	659	a
480	d	525	d	570	С	615	a	660	a
481	b	526	a	571	b	616	b	661	b
482	С	527	С	572	С	617	С	662	С
483	С	528	d	573	b	618	d	663	a
484	a	529	c	574	b	619	c	664	С
485	a	530	d	575	c	620	b	665	b
486	b	531	d	576	b	621	d	666	d
487	С	532	d	577	d	622	c	667	С
488	d	533	d	578	c	623	d	668	a
489	d	534	d	579	b	624	b	669	a
490	a	535	a	580	С	625	С	670	С
491	С	536	b	581	С	626	d	671	d
492	d	537	a	582	d	627	a	672	d
493	a	538	b	583	С	628	a	673	a
494	d	539	c	584	d	629	a	674	d
495	d	540	b	585	b	630	a	675	С

676	a	721	c	766	b	811	a	856	b
677	c	722	a	767	b	812	a	857	b
678	d	723	d	768	d	813	a	858	С
679	b	724	a	769	b	814	d	859	d
680	b	725	С	770	a	815	a	860	С
681	С	726	d	771	a	816	b	861	С
682	a	727	b	772	c	817	b	862	a
683	c	728	a	773	d	818	b	863	c
684	d	729	a	774	a	819	b	864	c
685	a	730	С	775	b	820	d	865	a
686	a	731	b	776	a	821	b	866	a
687	b	732	С	777	b	822	a	867	a
688	a	733	d	778	a	823	c	868	a
689	a	734	a	779	c	824	c	869	a
690	b	735	a	780	b	825	b	870	d
691	a	736	С	781	b	826	d	871	a
692	С	737	b	782	a	827	С	872	a
693	c	738	a	783	a	828	a	873	a
694	c	739	a	784	b	829	b	874	a
695	d	740	a	785	b	830	b	875	d
696	b	741	a	786	b	831	a	876	a
697	c	742	b	787	b	832	c	877	a
698	c	743	d	788	b	833	a	878	a
699	d	744	d	789	a	834	b	879	c
700	d	745	d	790	d	835	b	880	c
701	С	746	d	791	a	836	a	881	b
702	a	747	b	792	b	837	b	882	d
703	d	748	a	793	b	838	c	883	a
704	d	749	С	794		839	c	884	a
705	С	750	b	795	c	840	b	885	c
706	b	751	b	796	b	841	d	886	c
707	b	752	С	797	b	842	a	887	С
708	С	753	С	798	b	843	b	888	a
709	d	754	a	799	b	844	a	889	b
710	d	755	a	800	a	845	с	890	d
711	С	756	d	801	a	846	a	891	b
712	b	757	a	802	С	847	С	892	С
713	С	758	С	803	с	848	b	893	с
714	С	759	a	804	b	849	d	894	b
715	b	760	С	805	a	850	d	895	a
716	a	761	d	806	с	851	b	896	с
717	С	762	С	807	a	852	b	897	a
718	b	763	b	808	a	853	a	898	С
719	С	764	С	809	b	854	d	899	a
720	С	765	d	810	b	855	b	900	a

901	c	941	b
902	d	942	b
903	a	943	d
904	a	944	c
905	b	945	c
906	b	946	b
907	c	947	a
908	c	948	c
909	a	949	a
910	a	950	b
911	d	951	a
912	a	952	a
913	b	953	b
914	b	954	c
915	a	955	d
916	С	956	b
917	a	957	d
918	С	958	b
919	b	959	d
920	d	960	b
921	b	961	d
922	a	962	a
923	b	963	a
924	d	964	b
925	d	965	a
926	a	966	a
927	С	967	b
928	С	968	b
929	a	969	С
930	c	970	b
931	a	971	a
932	c	972	a
933	b	973	c
934	d	974	a
935	С	975	b
936	a	976	b
937	С	977	b
938	a	978	с
939	С		
940	b		