SEAL

AGRICULTURE

KTM-02-XV

Full Marks: 200

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Subject Code :

0 2

Test Booklet No. :

00573

TEST BOOKLET

AGRICULTURE

Time Allowed: 2 (Two) Hours

INSTRUCTIONS

- 1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
- 2. Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.
- 3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
- 4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the timekeeper and his/her decision in this regard is final.
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No. of Questions: 100]

CCE(P) -2015 AGRICULTURE

		ing four crops in a year in	5. The	
	sequ	ience is termed as		DO NOT OFICE THE TE
			(A)	45 percent
	(A)	double cropping		
			(B)	35 percent about soldies
	(B)	multistoried cropping		
			(C)	40 percent
	(C)	quadruple cropping	CTEL	Test Booklet No. : in
			(D)	48 percent
	(D)	tetra cropping	(2)	To possess
			moon	
		BOOKLET	6. The	hormone associated with 'acid
2.	Shad	le-loving plants are known as		wth theory' is
			ROA	The state of the s
	(A)	heliophytes	(4)	CA
		a 11.7	(A)	GA3 OF S S LOWOTTA SMIT
	(B)	hydrophytes	(70)	
		. anoitou:	(B)	cytokinin
	(C)	xerophytes		
	to all i	and area bined more imply and in barrol man	(C)	auxin
	(D)	sciophytes		
			(D)	ethylene
		Sheet is not applicable for Optional bul	towarrs, sur	Incid their ad Heira spage
3.	A se	parate department of agriculture		
	****	s created first at national level in		
	was	created mist at mational level m	7. Tran	slocation of carbohydrates
	was		****	
	(A)	eredon Hall, Have 20 minutes of 1891	****	slocation of carbohydrates stly takes place in the form of
		And the second s	mo	stly takes place in the form of
	(A)	1861 Company of the C	mos (A)	stly takes place in the form of
	(A) (B)	1861 The standard of machiner dead to to to the standard of th	(A)	stly takes place in the form of glucose
	(A) (B)	1861 1871 1871 1885	(A)	stly takes place in the form of glucose sucrose
alapro where	(A) (B)	1861 1871 1885	(A) (B)	stly takes place in the form of glucose sucrose
Attendance of the sale of the	(A) (B) (C)	1861 1871 1885 1885 1886 1886 1886 1886 1886 188	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose
Attendance of the state of the	(A) (B) (C)	1861 1871 1885 1890	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose
and	(A) (B) (C) (D)	1861 1871 1885 1885 1886 1886 1886 1886 1886 188	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose
4.	(A) (B) (C) (D)	1861 1871 1885 1890	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose
4.	(A) (B) (C) (D) A si	1861 1871 1885 1885 1886 1886 1886 1886 1886 188	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose maltose
4.	(A) (B) (C) (D) A si cro	1861 1871 1885 1890 It loam is considered ideal for p growth when solid: liquid: air	(A) (B) (C)	stly takes place in the form of glucose sucrose fructose
where in over the ove	(A) (B) (C) (D) A si cro	1861 1871 1885 1890 It loam is considered ideal for p growth when solid: liquid: air portion by volume is at	(A) (B) (C) (D)	stly takes place in the form of glucose sucrose fructose maltose end product of phytosynthesis is
dare in our frage of the sale	(A) (B) (C) (D) A si cro pro	1861 1871 1885 1890 It loam is considered ideal for p growth when solid: liquid: air portion by volume is at	(A) (B) (C) (D)	stly takes place in the form of glucose sucrose fructose maltose end product of phytosynthesis is
4.	(A) (B) (C) (D) A si cro pro	1861 1871 1885 1890 It loam is considered ideal for p growth when solid: liquid: air portion by volume is at 70:20:10	(A) (B) (C) (D) 8. The	stly takes place in the form of glucose sucrose fructose maltose end product of phytosynthesis is
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9. The source of dwarfing gene in wheat is	13. The edible portion of pomegranate is
(A) Dee-Gee-Woo-Gen	(A) aril (A)
	(B) thalamus
(B) Norin-10	(C) mesocarp
(D) Hipsoli and Aud (C)	(D) endocarp
10. Seedless watermelon is a	14. Botanically pineapple fruit is
(A) diploid	(A) balusta
(B) triploid	(B) sorosis
(C) tetraploid	(C) berry
(D) hexaploid	(D) pome
11. Which of the following crops is known as white gold?	15. Leafless variety of pea is (A) Bonneville
(A) Opium	(ii) Boilleville
(B) Cotton	(B) 1-100
(C) Maize	(C) L-H6
(D) Soybean	(D) Aparna
12. In India, which of the following fruits has the highest production?	16. The tuber crop which is rich in protein is
(A) Mango	(A) Colocasia
(B) Citrus more pulmos (El)	(B) yam
(C) Grape (C)	(C) potato
(D) Banana sharagana (G)	(D) sweet potato

17.	Pung	ency of radish is due to			products are found effective ducing
	(A)	solanin (A)	(A))	fruit borer attack of cucumber
	(B)	capsaicin (El)	(B)	stem borer attack of rice
	(C)	isothiocyanate	(C)	fruit borer attack of brinjal
	(D)	calcium acetate	(D)	fruit borer attack of okra
18	Nozz	le is a part of			
20.	21 1	14. Hotanically pineariple fru			g syndrome, known as 'kresek',
	(A)	rotary duster	00	cu	rs in
	(B)	cynogas pump	(A	.)	bacterial blight of rice
	(C)	hand compressor sprayer	(B	3)	bacterial wilt of cotton
	(D)	ULV applicator	(0	2)	brown spot of rice
	(D)	omog (C)	(D	0)	rice blast
19.	Whic	ch of the following is a genetic			
	par	thenocarpic fruit?	23. Cit	ru	s tristeza virus is transmitted
	(A)	Guava	by	У	a mog antiw as manual
	(11)	Guava ollivonnosi (A)	(A		beetles moreO. (A)
	(B)	Apple Sai-T (8)	(2.	-,	
	(0)	Samata	(E	3)	thrips cottoo (8)
	. (C)	Sapote BH-J (D)	(0	2)	aphids WISM (5)
	(D)	Grape Grape (G)	,		
		A Company of the Comp	(I	0)	nematodes (d)
20.	C ₄	plants normally give more			
	bio	logical yield than C ₃ plants cause of			tic transfer between bacterial mediated by bacteriophage is
	(A)	less respiration	(A	A)	transformation M (A)
	(B)	more photosynthesis	(F	3)	conjugation autiO (8)
	(C)	more photophosphorylation	(0	C)	transduction (0)
	(D)	less photophosphorylation	(I	D)	temperate phage (II)

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25. Blossom end rot of tomato is due to deficiency of	29. The basic principle of extension education is
(A) Zn pre-emergence	(A) learning by doing
(B) Barnesstand (C)	(B) learning by seeding
(C) Mo	(C) learning by reading
(D) Ca	(D) learning by hearing
26. 'Ug 99' is a race specific to	33. The concept of 'sero' tillage was first
(A) Puccinia striiformis	30. The T and V system of agricultural extension was first introduced in
(B) Puccinia recondita	the year xooliw (a)
(C) Puccinia graminis tritici	(A) 1954
(D) Puccinia sorghi	(B) 1964
27. The Destructive Insect and Pest Act was implemented in India during	(C) 1974
(A) 1910 (A)	(D) 1984
(B) 1914 (E)	(C) Tuxmeter size as as
(C) 1916	31. Ghare-Pathare, a periodical, is published by the
(D) 1918	(A) Department of Agriculture,
28. 'Phyllody' is a common disease of	Assam (MAI) Supplement
(A) sesame many name (A)	(B) Irrigation Department of Assam
(B) groundnut a stand (B)	(C) Directorate of Extension Education, AAU, Jorhat
(C) soybean	(D) District (D) (O)
(D) niger many (C)	(D) Directorate of Research, AAU, Jorhat

32. 'Loose smut' of wheat is a/an	36. Glyphosate is a herbicide.
disease.	(A) selective
(A) soil-borne	(B) pre-emergence
(B) * internally seed-borne	(C) non-selective
(C) externally seed-borne	(C) Ma
(D) airborne	(D) pre-planting
	37. A short-duration crop in between
33. The concept of 'zero' tillage was first postulated by	two main crops is termed as
(A) Jethro Tull	(A) cash crop
	(B) catch crop
(5)	(C) companion crop
(C) Gardner and Gardner	(D) nurse crop
(D) Russell	august nautouru (G)
34. Plant growth is measured by	38. Thinning is an important cultural process of
(A) photometer	(A) potato
(B) auxanometer	(B) jute
(C) luxmeter	(C) sugarcane
(D) manometer	(D) rice
35. Indian Agricultural Research Institute (IARI) was set up at Pusa (Bihar) in	39. In India, pigeon pea is the second- most important pulse crop after
(A) 1905	(A) green gram
(B) 1929	(B) black gram
(C) 1934	(C) lentil
(D) 1942	(D) gram

40.	is	main constituent of chlorophyll manganese	44.	bee	plant in which a gene has transferred through gene pineering is called	
	(A)	magnesium		(A)	hybrid plant	
	101	copper de marches (b)		(B)	pure line 8881 (3)	
		iron almala munolo2 (C) seca		(C)	backcross line	
		Dominiation			transgenic plant	
41.	Whic	ch of the following parts of				
	the	plant cell is known as werhouse?	45.	NBP	GR was established by ICAR v Delhi in the year	in
	Po.	you (A)		1.0.	, som militio your is any	
	(A)	Mitochondrion		(A)	1976 lavel tordelly (8)	
	(B)	Ribosome		(B)	1966 Favol arate (7)	
	(C)	Chloroplast		(C)	1956 lavet landdan (0)	
	(D)	Golgi apparatus			1946	
70	WA	54, CIMMYT is warking prima				
42.	Papa	ya is a rich source of	46.		bordeaux mixture w	ras
	(A)	vitamin A		disc	covered in	
	()			(A)	1885	
	(B)	vitamin B			18) 1945	
	(C)	vitamin C		(B)	1875	
	(7)	(D) since		(C)	1865	
	(D)	vitamin E		(D)	1855	
43.	India	an Institute of Vegetable			b. Maximum genetic diversit	
		earch is located at	47.	NAB	ARD was established in	
	(A)	Ajmer (SAUL 1A)		(A)	1956	
	(B)	Varanasi 6401 (8)		(B)	1966	
	(C)	Lucknow YAOL (O)		(C)	1976	
	(D)	Kanpur 3441 (d)		(D)	1986 Constatedus (C)	

48. MANAGE was established in	52. Natural resistance of <i>Phytophthora</i> infestans in potato is present in
(A) 1986	(A) Solanum tuberosum
(B) 1987	(B) Solanum acaule
(C) 1988 and mag (E)	(Ċ) Solanum stoloniferum
(D) 1989 and assertance (D)	(D) Solanum demissum
49. To be effective, extension works	
should be started from the	53. The gynophore of groundnut is commonly known as
(A) grassroot level	(A) peg
(B) district level	(B) penrith
(C) state level	(C) moradesph
(D) national level	(D) ovale
50. In Ireland, the potato famine occurred in	54. CIMMYT is working primarily for
(A) 1845	(A) cotton
(B) 1945	(B) maize
(C) 1854	(C) wheat
(D) 1645	(D) rice
51. Maximum genetic diversity of crop plants occurs where agriculture is	55. Indian Standard Institute was established in
(A) modern	(A) 1948
(B) rainfed	(B) 1945 (B)
(C) primitive	(C) 1947 word and (O)
(D) subsistence	(D) 1946 want (d)

56. The establishment of ICAR is based on the recommendation of	60. The isotope of carbon used extensively for studies in phytosynthesis is		
(A) Famine Commission	(A) ¹² C		
(B) Grow More Food Commission	(B) 14C		
(C) Royal Commission of Agriculture	(C) ¹³ C aniay (D)		
(D) Balwant Rai Mehta Commission	(D) 16C		
57. The optimum temperature for rotting of jute is	61. The nutrient requirement for ATP synthesis is		
(A) 21 °C	. (A) Ca		
(B) 30 °C	(B) P		
(C) 40 °C	(C) S		
(D) 34 °C	(D) Fe		
58. According to Levitt, which of the following ions is responsible for stomatal movement?	62. Which of the following is not a phytohormone?		
(A) Fe ²⁺	(A) IAA		
(B) K ⁺	(B) GA		
(C) Zn ²⁺	(C) Florigen		
(D) Na ⁺	(D) Phytochrome		
59. In light phase of photosynthesis, there is formation of	63. If plants stop photosynthesis, which gas will disappear?		
(A) ATP	(A) N ₂ astoq (A)		
(B) NADPH ₂	(B) O ₂ occade (a)		
(C) carbohydrates	(C) NH ₃		
(D) both ATP and NADPH ₂	(D) H ₂ ybbeq (O)		

64. Which one of the following is an	68. 'Hay' is prepared from crop rich in
essential amino acid?	(A) protein
(A) Adenine	(B) crude fibre
(B) Proline	(C) fat
(C) Lysine	(D) vitamins
(D) Serine	69. Most of the plants absorb nitrogen
65. Solar treatment is used for	from the soil in the form of
(A) loose smut of wheat	(A) nitrate
(B) stem rust of wheat	(B) nitrite
(C) blast of rice	(C) nitric acid
(D) wilting of tomato	(D) free nitrogen gas
of the following is on	70. Autumn rice in Assam is also
66. Which one of the following is an insect trap crop?	known as
insect trap crop? (A) Bhendi	lenour os
insect trap crop? (A) Bhendi	known as (A) Boro (B) Sali
insect trap crop? (A) Bhendi (B) Rice	known as (A) Boro
insect trap crop? (A) Bhendi (B) Rice	known as (A) Boro (B) Sali (C) Ahu
insect trap crop? (A) Bhendi (B) Rice (C) Potato	known as (A) Boro (B) Sali (C) Ahu
insect trap crop? (A) Bhendi (B) Rice (C) Potato (D) Pigeon pea 67. The process of desuckering is	known as (A) Boro (B) Sali (C) Ahu (D) Aman
insect trap crop? (A) Bhendi (B) Rice (C) Potato (D) Pigeon pea 67. The process of desuckering is essential in	known as (A) Boro (B) Sali (C) Ahu (D) Aman 71. The inflorescence of sugarcane is termed as (A) arrow (B) panicle
insect trap crop? (A) Bhendi (B) Rice (C) Potato (D) Pigeon pea 67. The process of desuckering is essential in (A) potato	known as (A) Boro (B) Sali (C) Ahu (D) Aman 71. The inflorescence of sugarcane is termed as (A) arrow

72. Suitable age of paddy seeding for transplantation in normal Kharif	75. Gramaxone is a trade name of
season is	(A) MCPA
(A) 21-25 days	(B) Simazine
(D) 07 20 days	(C) Paraquat
(B) 27–32 days	(D) Moraron
(C) 15-20 days	(D) Deather MASS and July
(D) 11-14 days	76. Hard fruit of citrus is due to deficiency of
(A) principamasigoriqa (A)	(A) B omodus (A)
73. Kjeldahl method is used to	(B) N amod base (E)
determine biggiv (5)	(C) Ca
(A) total nitrogen in soil	(D) Fe amod-line (CI)
(B) total phosphorus in soil	77. At optimum level of output, the marginal return should be
(C) total potassium in soil	(A) positive
(D) total organic carbon in soil	(B) negative
(C) 20 cm	(C) equal to average return
74. Weeds that occur within the geographical limits of the origin are termed as	(D) zero
(A) noxicious weeds	78. Which of the following is not a factor of production?
(A) Adolf Mayer 38.14 (A)	(A) Land
(B) obligate weeds	(B) Labour
(C) alien weeds	(C) Capital
(D) native weeds	(D) Crop

79.		n one of the following is not	83. Tilt angle of disc furrow is
	a m	ethod of mass contact?	Translantaron in normal Kharif
		MCFA CELL	(A) 10°
		Circular letter	(B) 20°
	(B)	Television	(C) 30°
	(C)	Result demonstration	(D) 40°
	(D)	Leaflet	
		76. High muit of cities a	84. Corn stunt disease is caused by
80.	Wilt	pathogen is mainly	(A) spiroplasma
	(4)	airharna (A)	(A) spiroplasma
	(A)	airborne	(B) phytoplasma
	(B)	seed-borne	The Eddard mathod age used to
	(-)		(C) viroid
	(C)	waterborne	
	(D)	soil-borne	(D) virusoid
			85. The length of a body tube of
81.	Whic	th of the following is	a compound microscope is
		anochlorine?	
		(A) positive	(A) 10 cm
		Malathion	
		Parathion (E)	(B) 16 cm
	(B)	Parathion	(C) 20 cm
		DDT	
	(C)		(D) 25 cm
	(D)	Aldicarb	
	(-)		as bruns 510
		78. Which of the following is n	86. Crystallization of virus was first
82.	Pedo	ology is a study of	done by
	(A)	soil bank (A)	(A) Adolf Mayer
	(B)	water (a)	(B) M. W. Beijerinck
	(C)	rock (edg) (0)	(C) D. I. Ivanovsky
	(D)	diseases	(D) W. M. Stanley

87.	That physical sma can cause plant disease was first reported by	91. The recommended seed rate for direct-seeded upland rice for Assam is
	=(A) Root last	(A) 25 kg/ha 8000 (A)
	(B) Datet al	(B) 50 kg/ha
	(C) E Sessentia 100R (C)	(C) 75 kg/ha
	(D) F. Cherelle (O)	(D) 100 kg/ha gabaM (O)
88.	The first ambiente discovered was	92. In which of the following groups of
	(A) periodic	crops, the requirement of sulphur is more?
	(B) and	(A) Sugar crop
	(C) exercise timental	(B) Pulses
	(D) (7.5)	(C) Forage crop
00	Who is a fingur course	(D) Oilseeds
09.	Who first that fungus causes plant the second	93. Who among the following is
	(A) P. E. W. (O)	considered as the father of phytopathology in India?
	(B)	(A) M. K. Patel
	(C)	(B) S. P. Raychaudhuri
	(D) P. A. Williams	(C) E. J. Butler
	100. The place of many crists is	(D) B. B. Mundkur
90.	The first land and a disease of plant of apple,	
	was a	94. The scientific journal, <i>Phytopathology</i> is regularly published from
	(A) M. T.	(A) India muttathed (EI)
	(B) T. I I	(B) Russia
	(C) E E =====	(C) China
	(D) Addition	(D) USA suriv (C)

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[P.T.O.

(SRI) was developed in	absorbs water and minerals?
(A) China British (A)	(A) Root hair
(B) Indonesia	(B) Root cap
(C) Madagascar	(C) Epidermis
(D) Japan and to doubte at 129	(D) Endodermis
96. 'Triticale' is a cross between	99. Citrus greening diseases are transmitted in Asian countries by
(A) wheat and barley	(A) Trioza erytreae
(B) wheat and rye	(B) Diaphorina citri
(C) wheat and oat	(C) nematode
(D) wheat and maize	(D) fungi
97. The main source of agar-agar is	100. The place of origin of potato is
(A) alga	(A) South America
(B) bacterium	(B) USSR
(C) fungus	(C) India (D)
(D) virus Agu (C)	(D) Afghanistan (D)