

RGUCET 2022

MASTER OF SCIENCE IN AGRONOMY /
 MASTER OF SCIENCE IN AGRICULTURAL ECONOMICS /
 MASTER OF SCIENCE IN AGRICULTURAL ENTOMOLOGY

1	She was____ first woman to arrive					
	a) a	b) the	c) an	d) and	b	the
2	Our train stopped _____Delhi on the way to Bangalore.					
	a) on	b) at	c) above	d) between	b	at
3	Ram is senior_____ Sam.					
	a) to	b) by	c) in	d) then	a	to
4	Ania came to college_____ foot.					
	a) with	b) by	c) over	d) on	d	on
5	Suresh will come if you_____ him for party.					
	a) will invite	b) invited	c) invite	d) are invited	c	invite
6	The patient _____ when the doctor arrived.					
	a) died	b) has died	c) had died	d) death	a	died
7	Does Ramu_____ French?					
	a) speak	b) will speak	c) would speak	d) speaking	a	speak
8	The synonyms of the word 'persuade' is					
	a) Convince	b) Follow	c) Obey	d) Lively	a	Convince
9	The most suitable antonym of the word 'confess' is					
	a) Admit	b) Reject	c) Accept	d) Deny	d	Deny
10	The most suitable antonym of the word 'native' is					
	a) Foreign	b) Near	c) Inborn	d) Innate	a	Foreign

11	The current India's Chief of Army Staff is:					
	a) General Bipin Rawat	b) General Manoj Pande	c) General Dalbir Singh Suhag	d) General V.K. Singh	b	General Manoj Pande
12	Headquarter of NATO is situated at:					
	a) Brussels	b) Washington, D.C.	c) Paris	d) Berlin	a	Brussels
13	Mascot for the 2022 FIFA World Cup is:					
	a) Da'eeb	b) Aa'reeb	c) Ka'eeb	d) La'eeb	d	La'eeb
14	The first Asian country to join in NATO's Cyber Defence Centre of Excellence:					
	a) South Korea	b) Japan	c) Singapore	d) Philippines	a	South Korea
15	According to Global Food Security Index India's position is:					

	a) 95 th	b) 39 th	c) 71 st	d) 112 th	c	71 st
16	Winner of Europa League 2020-21 was					
	a) Villarreal	b) Manchester United	c) Sevilla	d) Inter Milan	a	Villarreal
17	Spotify a music streaming company is from:					
	a) France	b) Germany	c) USA	d) Sweden	d	Sweden
18	Oxidation is defined as:					
	a) Loss of electrons	b) Gain of electrons	c) Gain of protons	d) Loss of protons	a	Loss of electrons
19	HIV virus destroys:					
	a) RBC	b) Neuron	c) WBC	d) T4 Lymphocytes	d	T4 Lymphocytes
20	Which PowerPoint view displays each slide of the presentation as a thumbnail and is useful in rearranging slides?					
	a) Slide show	b) Slide master	c) Slide sorter	d) Slide arranger	c	Slide sorter
21	Find the value of 'X' in the sequence 2, 7, 22, 67, 202, X, 1822					
	a) 604	b) 605	c) 607	d) 612	c	607
22	Two numbers are in the ratio of 3:5. If 9 is subtracted from the numbers, the ratio becomes 12:23. The numbers are:					
	a) 35, 46	b) 33, 65	c) 43, 45	d) 33, 55	d	33, 55
23	Pointing to Arpita, Karan said, "Her mother's only daughter is my mother." How is Karan related to Arpita?					
	a) Nephew	b) Son	c) Brother	d) Cousin	b	Son
24	Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B.					
	a) 4 : 3	b) 2 : 3	c) 3 : 4	d) 1 : 2	a	4 : 3
25	If 20% of a = b, then b% of 20 is the same as:					
	a) 3% of a	b) 6% of a	c) 4% of a	d) 5% of a	c	4% of a
3.	On the ridge lines, MPP of input will be:					
26	In which stage of production function, E _p is less than zero:					
	a) Sub-optimal stage	b) Optimal stage	c) Super-optimal stage	d) Supra-optimal stage	d	Supra-optimal stage
27	In which stage of production function MPP < APP:					
	a) 1 st stage	b) 2 nd stage	c) 3 rd stage	d) 4 th stage	b	2 nd stage
28	Iso-cost lines are:					
	a) Non-intersecting	b) Parallel to each other	c) Intersecting	d) Perpendicular	b	Parallel to each other
29	The shape of Total Variable Cost is:					
	a) Horizontal straight line	b) Inverse S	c) U-shaped	d) Hyperbola	b	Inverse S

30	Price discrimination can be classified into how many types?					
	a) 4	b) 2	c) 3	d) 4	c	3
31	The Pradhan Mantri Fasal Bima Yojana was launched in					
	a) 2018	b) 2004	c) 1998	d) 2016	d	2016
32	The word 'oligopoly' is derived from					
	a) Portuguese	b) Latin	c) French	d) Greek	d	Greek
33	High yielding variety programme was started in the year:					
	a) 1960	b) 1986	c) 1975	d) 1966	d	1966
34	Brati Balika was a component of which project					
	a) Marthandam project	b) Shriniketan	c) Etawah pilot project	d) Mazdoor manzil	b	Shriniketan
35	Rani Laxmi Bai Central Agricultural University is located at:					
	a) Pusa	b) Jhansi	c) Imphal	d) Jabalpur	b	Jhansi
36	National Research Centre for Litchi is located at:					
	a) Hisar	b) Pune	c) Muzaffarpur	d) Solapur	c	Muzaffarpur
37	Comilla project was started in:					
	a) India	b) Bangladesh	c) Pakistan	d) Netherlands	b	Bangladesh
38	Last stage of extension programme planning process is					
	a) Evaluation	b) Reconsideration	c) Collection of facts	d) Analysis of situation	b	Reconsideration
39	Krishi Darshan programme is telecast from:					
	a) New Delhi	b) Karnal	c) Pantnagar	d) Jhansi	a	New Delhi

40	<i>Sesbania rostrata</i> is					
	a) Root nodule plant	b) Stem nodule plant	c) Both a and b	d) Total parasitic plant	c	Both a and b
41	The fruit of rapeseed and mustard is known as					
	a) Pod	b) Caryopsis	c) Siliqua	d) Capsule	c	Siliqua
42	The seed-sets of sugarcane should essentially have					
	a) One bud	b) Two buds	c) Three buds	d) Four buds	a	One bud
43	Nitrogen fixation in soil by <i>Rhizobium</i> is increased by					
	a) Mg	b) Ca	c) K	d) P	d	P
44	The use of tensiometer is confined up to matric potential of					
	a) -0.8 bar	b) -0.6 bar	c) -0.4 bar	d) -0.2 bar	a	-0.8 bar
45	Ufra disease is mostly caused by an agent in a rice crop is					
	a) Nematode	b) Fungi	c) Algae	d) Bacteria	a	Nematode

46	Selection of individuals on the basis of average performance of their progenies is called					
----	---	--	--	--	--	--

	a) Pedigree selection	b) Family selection	c) Progeny testing	d) Individual selection	c	Progeny testing
47	Dairy cattle breed from Scotland is					
	a) Red Dane	b) Ayrshire	c) Brown Swiss	d) Guernsey	b	Ayrshire
48	The depth of continuous manger for cow and buffalo should be					
	a) 3 feet	b) 2 feet	c) 1 foot	d) 4 feet	c	1 foot
49	Tharparkar is a cattle breed of					
	a) Dual	b) Milch	c) Draught	d) Dairy	b	Milch breed
50	Pien niu is a new species developed by crossing between which two species?					
	a) Cattle x Bison	b) Cattle x Yak	c) Zebra x Horse	d) Stallion x Jennet	b	Cattle x Yak
51	Hormone responsible for let-down of milk is					
	a) Estrogen	b) Progesterone	c) Oxytocin	d) Adrenaline	c	Oxytocin
52	Foot and Mouth Disease is caused by					
	a) Virus	b) Fungus	c) Bacteria	d) Parasite	a	Virus

53	Wing bearing apparatus is called					
	a) Prothorax	b) Mesothorax	c) Metathorax	d) Pterothorax	d	Pterothorax
54	Lateral cranial area behind the compound eye is					
	a) Clypeus	b) Gena	c) Vertex	d) Frons	b	Gena
55	Sister species of <i>Apis florea</i> is					
	a) <i>Apis laboriosa</i>	b) <i>Apis mellifera</i>	c) <i>Apis andreformis</i>	d) <i>Apis dorsata</i>	c	<i>Apis andreformis</i>
56	Mudgo is a variety ofwhich is resistant to BPH					
	a) Rice	b) Wheat	c) Sugarcane	d) Cotton	a	Rice
57	$C_7H_{14}O_5NP$ is					
	a) Ethion	b) Monocrotophos	c) Phosphamidon	d) DDVP	b	Monocrotophos
58published Indian Ants in 1893					
	a) H.S. Rathi	b) Rothney	c) T.B. Fletcher	d) Nair	b	Rothney
59	Total number of chapters in ICZN is					
	a) 18	b) 28	c) 08	d) 38	a	18

60	Who is known as the "Father of Seed Testing"?					
	a) Fredrick Nobbe	b) Emerson Harrington	c) Anton de Berry	d) N. E. Borlaug	a	Fredrick Nobbe

61	National Bureau of Plant Genetic Resources (NBPGR) was established in the year					
	a) 1976	b) 1972	c) 1966	d) 1977	a	1976
62	Development of seed without fertilization is					
	a) Parthenogenesis	b) Apomixis	c) Autogamy	d) Polyembryony	b	Apomixis
63	Post-transcriptional gene silencing involves					
	a) rRNA	b) tRNA	c) siRNA	d) mRNA	c	siRNA
64	An individual having 'AaBbCCDdEE' genotype produces how many different types of gametes?					
	a) 64	b) 32	c) 16	d) 8	d	8
65	The cross between an inbred with an open-pollinated variety is					
	a) Single cross	b) Top cross	c) Double top-cross	d) Synthetic	b	Top cross
66	Inter-varietal hybridization is also known as					
	a) Distant hybridization	b) Intra-specific hybridization	c) Inter-generic hybridization	d) Inter-specific hybridization	d	Inter-specific hybridization
67	Making an incision below a bud to retard its growth:					
	a) Nicking	b) Ringing	c) Notching	d) Thinning	a	Nicking
68	Which fruit is commonly known as "Fruit of New World"					
	a) Jackfruit	b) Passion fruit	c) Avocado	d) Mango	c	Avocado
69	Development of embryo without fertilization is known as _____					
	a) Parthenocarpy	b) Parthenogenesis	c) Apomixis	d) Autogamy	c	Apomixis
70	Pollination in Mango is mainly by					
	a) House fly	b) Honeybees	c) weevil	d) wind	a	Housefly
71	Scientific name of tree onion is					
	a) <i>Allium cepa</i> var. <i>viviparum</i>	b) <i>Allium fistulosum</i>	c) <i>Allium sativum</i>	d) <i>Allium porrum</i>	a	<i>Allium cepa</i> var. <i>viviparum</i>
72	Darjeeling is famous for					
	a) Lyod botanical garden	b) Royal botanical garden	c) India botanical garden	d) Kew botanical garden	a	Lyod botanical garden
73	Kew is a variety of					
	a) Mango	b) Pineapple	c) Orange	d) Papaya	b	Pineapple

74	An infectious protein particle is					
	a) <i>Virion</i>	b) <i>Prion</i>	c) Viroid	d) Capsid	b	<i>Prion</i>

75	Which of the following rust is not caused by fungi?					
	a) Black rust	b) Yellow rust	c) Brown rust	d) Red rust	d	Red rust
76	'Hard mustard seed' like dormant resting structure of mycelium is known as					
	a) Appressorium	b) Stroma	c) Sclerotia	d) Rhizomorph	c	Sclerotia
77	The oldest fungicide used to manage plant diseases is					
	a) Copper	b) Mercury	c) Sulphur	d) Nickel	c	Sulphur
78	Open cup-shaped ascocarp is					
	a) Perithecium	b) Cleistothecium	c) Apothecium	d) Ascostromata	c	Apothecium
79	Monotrichous flagella is found in bacterium					
	a) <i>Erwinia</i>	b) <i>Xanthomonas</i>	c) <i>Pseudomonas</i>	d) <i>Streptomyces</i>	a	<i>Erwinia</i>
80	Geminate particle viruses are					
	a) <i>Begomovirus</i>	b) <i>Curtovirus</i>	c) <i>Mastrevirus</i>	d) All of these	d	All of these

81	Which of the following crop takes N in ammoniacal form?					
	a) Wheat	b) Cotton	c) Rice	d) Mustard	c	Rice
82	Hill soils are generally					
	a) Acidic	b) Alkaline	c) Neutral	d) Saline	a	Acidic
83	Plants capable of growing in rock crevices are called					
	a) Lithophytes	b) Hydrophytes	c) Oxylophytes	d) Xerophytes	a	Lithophytes
84	Honey-comb structure is diagnostic feature of which soil?					
	a) Lateritic soils	b) Red soils	c) Alluvial soils	d) sandy soils	a	Lateritic soils
85	The smallest volume that can be called 'a soil' is					
	a) Ped	b) Pedon	c) Colloid	d) Sol	b	Pedon
86	White bud in maize is caused due to the deficiency of					
	a) Zn	b) Mg	c) Cu	d) Mn	a	Zn
87	The unconsolidated parent material overlying the bed rock is called as					
	a) Bedrock	b) Regolith	c) Solum	d) Pedon	b	Regolith
88	Organic matter content in Indian soil is					
	a) >5%	b) <5%	c) >10%	d) <10%	b	<5%

89	Compaction soil bulk density					
	a) Increases	b) Decreases	c) Randomly modifies	d) No change	a	Increases

90	Which among the following is not a measure of Central Tendency?					
	a) Mean	b) Median	c) Mode	d) Variance	d	Variance
91	Analysis of variance utilizes					
	a) Z-test	b) t-test	c) X^2 test	d) F-test	d	F-test
92	The most frequent score in a given distribution					
	a) Mean	b) Median	c) Mode	d) Variance	c	Mode
93	The probability of getting at least one head when two coins are tossed simultaneously?					
	a) 1/2	b) 3/4	c) 1/4	d) 1	b	3/4
94	The probability of drawing a king from a deck of cards is					
	a) 1/13	b) 2/13	c) 1/52	d) 3/52	a	1/13
95	The probability of getting a number less than or equal to five, when a dice is thrown is					
	a) 2/3	b) 5/6	c) 1/2	d) 1/3	b	5/6
96	In the regression line $Y = mx + c$, c is called the					
	a) Slope of the line	b) Mean of the X values	c) Intercept	d) Mean of the Y values	c	Intercept
97	Rejecting a hypothesis when it is true is considered as					
	a) Type I error	b) Type II error	c) Error free	d) Type I and Type II error	a	Type I error
98	A subset or portion of a population is called					
	a) Representative	b) Event	c) Sample	d) Data	c	Sample
99	The relationship between arithmetic mean, geometric mean and harmonic mean is					
	a) $AM = GM = HM$	b) $AM < GM < HM$	c) $AM > GM > HM$	d) $AM < HM < GM$	c	$AM > GM > HM$
100	The range of simple correlation coefficient is					
	a) 0 to α	b) - α to + α	c) -1 to +1	d) 0 to 1	c	-1 to +1