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Diploma in Agriculture Engineering SET - II

1		ogen atoms in H ₂ is ovalent bond oordinate covalent bond	(b)
2	7 1	n be found more in arabolic channel riangular channels	(c)
3	3 3	utters are iscs traight	(c)
4.	0 ,	s filled soil is idger /heel hoe	(c)
5		elocity isplacement	(c)
6	,	al mills is onding hearing	(a)
7		ting building is ean to iidge and furrow	(b)
8		ut the length of green house column ide post	(a)
9	The density of rain gauges recommended by IM a 1 station per 520 km ² b 1	MD for plain area is	(a)
10.	a Quick condition b Fr	condition called rictional loss lydraulic head	(a)
11.		n as continuous beam cantilever beam	(b)
12.	a DPI b Pi	ixels ictures	(b)
13.	a Typing b Ar	nimation Graphics	(d)
14	a Atoms b M	n polymer is called Nonomers Nacro molecules	(b)
15	a Oxidation b Re	leduction lectronation	(a)

16	а	midpoint of the points A(-3,11) and I (-1,-2) (2,-13)	B(1,-1 b d	5) is (-2,-4) (4,-26)	(a)
17	a	and m_2 are slopes of two parallel lir m_1 = m_2 m_1 , m_2 =-1	nes th b d	en m ₁ =-m ₂ m ₁ ,m ₂ =1	(a)
18	a	distance between the points A(1,-4) 5 12	and E b d	3(6,8) is 13 16	(b)
19.	а	e number method estimates the Runoff rate Sub surface runoff	b d	Direct runoff Discharge	(b)
20	а	centrifugal pump liquid enters throug Impeller vane Stuffing box	gh b d	Eye of impeller Diffuser	(b)
21	a .	vity well is a tube well which has A strainer Slotted pipe and gravel pack	b d	No strainer Brass screen	(b)
22	great a	drip irrigation system, velocity of wa ter than 1.1 m/s 0.75 m/s	ter in b d	main lines should not be 1.5 m/s 2.1 m/s	(b)
23		o.75 m/s nkler irrigation method is not suited f	-		(a)
		4 mm/h 4 cm/h	b d	2 cm/h 3 mm/h	
24	а	heart of micro irrigation system is Laterals Emitters	b d	Filters Nozzles	(b)
25	a .	pressure measured with the help of Atmospheric pressure Absolute pressure	piezo b d	meter tube is Gauge Pressure Vacuum pressure	(b)
26	is kn	mass per unit volume at a standard own as Specific weight of liquid Specific gravity of liquid	tempo b d	erature and pressure of a liquid Density of Liquid Surface tension of liquid	(b)
27	a Č	etative propagules of turmeric are Tubers Rooted slips	b d	Stem cuttings Rhizomes	(d)
28	а	ds complete their life cycle within or Perennials Annuals	ne yea b d	ar or one season are called as Biennials Decennials	(c)
29	а	dia 10-20% of rainfall is received du North west monsoons East west monsoons	e to b d	North east monsoons Southwest monsoons	(b)
30	a :	innermost layer of atmosphere is Stratosphere Troposphere	b d	Mesosphere Thermosphere	(c)
31	а	d environment day is celebrated on 11 th June 22 nd April	b d	5 th June 22 nd March	(b)

32.	The diversity within the community is a Alpha diversity c Gamma diversity	b d	Beta diversity Delta diversity	(a)
33	Length of time period required to get b a Payback period c Repayment period	ack inv b d	restment on project Payment period Investment return	(a)
34	The vehicles of messages from top to a Orders c Suggestions	operati b d	ng units in an organization are Directions Rules	(a)
35	The chemical weathering of rocks is to a Disintegration c Deposition	rmed a b d	as Decomposition Dissolution	(b)
36	The parent material deposited by wind a Marine c Aeolian	is b d	Morine Courvial	(c)
37	The metamorphic form of sandstone is a Marble c Genesis	b d	Quartzite Slate	(b)
38	The maximum horizontal displacement a Ascent time c Time of flight	t of boo b d	dy projected obliquely is called Descent time Horizontal range	(d)
39	Resistance of superconductors is a 400Ω c 2Ω	b d	0Ω 1 Μ Ω	(b)
40	Engleberg huller is commonly used for a Sunflower c Castor	which b d	grain Paddy Maize	(b)
41.	Disc separator lifts a Long particles c Long and short particles	b d	Short particles Dust	(b)
42	The three dimensional space occupied surface (solids, liquid, gases) is called a Volume	b	Size	(a)
43	c Shape Ratio of stress to strain is a function of a Hookean bodies c Linear visco elastic materials	d f stress b d	Density s and time is true in the case of Viscous materials Non-linear visco elastic materia	(d)
44	The tension developed at the drive pul to move the loaded belt is known as a Horizontal tension c Effective tension	ley in t b d	ransmitting the required power Vertical tension Critical tension	(c)
45	The law applicable in size reduction of a Rittinger's law c Bond's law	fine po b d	owder is Kick's law Johnson's – law	(a)
46	Whirling air lifts dust particles and deliva Wire mesh screen Specific gravity separator	vers ou b d	t through top opening in a Rotating screen Cyclone separator	(d)
47	Which type of mould board bottom is a Stubble type c General purpose	used in b d	sticky soils Sod type Slat type	(d)

48	The a c	metering mechanism which has cut Vertical plate Horizontal plate	off d b d	evice is Inclined plate Picker wheel	(c)
49	The a c	point at which the resultant of all the Center of resistance Draft	horiz b d	zontal and vertical forces act is Pull Side draft	(a)
50	Fou a c	ndry sand containing moisture is kno White sand Yellow sand	wn a b d	s Green Sand Red sand	(b)
51	Pow a c	ver hacksaw blades are made of one Mild steel Wrought iron	of the b d	e following material Grey cast iron High carbon steel	(d)
52		part of lathe machine which serves a rs and spindle is Tail stock Head stock	as the b d	e housing for drawing pulley, Base Carriage	(c)
53	Gau a c	ige used to cut two parallel lines in si Marking gauge Cutting gauge	ingle b d	stroke is Panel gauge Mortise gauge	(d)
54	Prod a c	cess of cutting across a sheet or strip Shearing Drawing	b is b d	Bending Squeezing	(a)
55	Join a c	t used in photo frame is Dowel joint Butt joint	b d	Mitre joint Screw and slot joint	(b)
56	а	ol engine works on the principle of Diesel cycle Carnot cycle	b d	Otto cycle Rankine cycle	(b)
57	Cap a c	acity of the battery is measured as Ampere - hours Watts	b d	Volts Joules	(a)
58		turning moment diagram is the grap nent for various positions of a Piston	hical b	Connecting rod	(c)
59	c Whi a c	Crank ch of the following is a transmission of the	d dynar b d	Camshaft mometer Rope brake dynamometer Torsion dynamometer	(d)
60	In co a c	onstant mesh transmission system, t Spur gear Helical gear	he ge b d	ear used is Bevel gear Spiral gear	(c)
61	Vert a c	ical distance between lower hitch po Throat clearance Mast height	int to b d	top hitch point is called Top link size Suction	(c)
62	Trac a c	ction and transmission co-efficient is Power tiller Four wheel drive tractor	high b d	in Track type tractor Two wheel drive tractor	(b)
63		job is completed on several milling r	mach	ines located together is known	(d)
	as a c	Shoulder milling Face milling	b d	Groove milling Gang milling	

64 The direction in which a cutter moves in a milling machine is a Perpendicular to its axis b Parallel to its axis					(a)
	С	Inclined to its axis	d	Radial to its axis	
65	A machine used to cut herbage crops and leave them in swath is (c				
	a c	Reaper Mower	b d	Combine Baler	
66	The a	type of spray in which spray volume Low volume spray	is les	ss than 5 l / ha is known as Medium volume spray	(d)
	С	High volume spray	d	Ultra low volume spray	
67		cave clearance for paddy crop is		5.40	(b)
	a c	2-5 mm 13-15 mm	b d	5-10 mm 15-22 mm	
68	The	rate at which solar energy arrives th	e ear		(a)
	a c	Solar constant Solar waves	b d	Solar radiation Solar flux	
60			_		(0)
69		photo voltaic system the component towards the battery or grid is called	wnic		(a)
	a c	Blocking diode Blocking capacitor	b d	Blocking resistance Blocking transistor	
70		•		J	()
70	Elec	ctric motors are selected according to Coulomb	tne b	Calorie	(c)
	С	Horse power	d	Volts	
71	Hea	ting effects of electric current is repre	esent	ed by	(c)
	a c	Newton's law Joule's law	b d	Coulomb's law Kirchoff's law	
			_		
72	calle	ratio of actual air supplied to the the ed	oretic	cal air required in a gasifier is	(c)
	a c	Compression ratio Equivalence ratio	b d	Air fuel ratio Gasifier air ratio	
73	Whi	ch of the following is not used as a b	inder	in densification process	(d)
	а	Tar	b	Molasses	()
	С	Sodium bentonite	d	Sodium chloride	
74		iternet terminology IP means Internet provider	b	Internet protocol	(b)
	a c	Internet procedure	d	Internet protocol Internet processor	
75	Help	o window can be opened by			(c)
	а	F2	b	F9	` ,
	С	F1	d	F11	
76	(A+l	B) ^T = A ^T +B ^T	b	A+B ^T	(a)
	C	A ^T +B	d	A+B	
77	lf k	is a constant, then d/dx (k ⁿ) =			(d)
	а	n.k ⁿ⁻¹	b	k	()
	С	1	d	0	
78	AA-1	$= A^{-1}A =$			(b)
	a	0	b	 A-1	` /
	С	A	d	A ⁻¹	
79		rip irrigation system sub main and la Endcap	terals b	are connected with the help of Grommet	(b)
	a c	L- joint	d	Nozzle	

80	known as			
	a Infiltration c Sub-surface drainage	b d	Seepage Leaching	
81	Allowable velocity (m/sec) in open ditch a 0.90 c 1.0	es fo b d	r sand clay loam soils is 0.75 0.1	(c)
82	The datum adopted for India is a MSL at Mumbai c MSL at Kolkata	b d	MSL at Bangalore MSL at Hyderabad	(a)
83	The operation of establishing intermedia two terminal points is known as	te po	ints on a straight line between	(c)
	a Chaining c Ranging	b d	Taping Focusing	
84	The survey used for unearthing relics of a Geological survey c Archaeological survey	antiq b d	uity Military survey Mine survey	(c)
85	Slump test for concrete is carried out to a Strength c Durability	deter b d	mine Workability Water content	(b)
86	The timber which is obtained after felling	g a tr	ee is known as	(c)
	a Standing timberc Rough timber	b d	Converted timber Tim brain	
87	The curve which is having single arc of a is called	a circl	e connecting the two straights	(b)
	a Complex curve c Mass curve	b d	Simple curve Multiple curve	
88	Number of verniers on the horizontal sc a One c Three	ale o	f transit are Two Four	(b)
89	In theodolite the orientation of the axis of a Opposite conclined	f the b d	plate level to the vertical axis is Parallel Perpendicular	(d)
90	Units for deflection are a kNm c kN	b d	kN/m mm	(d)
91	Slope in the beam at any point is measu a Degrees c Radian	red ir b d	n Minutes Metric tonnes	(c)
92	An instrument used to calculate velocity	of a f	lowing stream at any liquid	(c)
	depth is a Pilot tube c Current meter	b d	Manometer Orifice	
93.	Shell moulding is also known as a Coning process c Compression process	b d	Ceramic process Extrusion process	(a)

94	The a c	formula for passive earth pressure k $\frac{1-Sin\phi}{1+Sin\phi} \\ \frac{1-Cos\phi}{1+Cos\phi}$	(p is b d	$\frac{1 + Sin\phi}{1 - Sin\phi}$ $\frac{1 + Cos\phi}{1 - Cos\phi}$	(b)
95.	Ant a	onym of dismal is Intelligent	b	Agitate	(a)
0.0	С.	Egress	d d	shrivel	41.
96		ian council of Agricultural Research(following digital platforms to guide f	•	_	(b)
	а	Kisan sarathi	b	Amazon kisan	
	С	Digital green	d	Flipkart	
97	Gov	vernment of India promotes millets w	ith o	ne of the following brand	(a)
	а	Shree anna	b	Millets give away	
	С	Nutricereals	d	Poorman's food	
98		fund launched by Government of In icultural startups in rural areas is	dia to	increase the number of	(b)
	a	Startup India Seed Fund Scheme	b	Agriculture accelerator Fund	
	С	Atal Innovation Mission	d	Startup India	
99		e developmental programme in which prity to water conservation and mana			h (a)
	а	Prime Minister Krishi Sinchayee Yojana	b	Paramparagat Krishi Vikas Yoj	ana
	С	Prime Minister Fasal Bheema Yojana	d	National Mission on Oil Seeds Palm	& Oil
100.	The	e example for an interjection is			(c)
	а	of	b	an	. ,
	С	oh	d	but	