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## AGRIENGGCET – 2019

1. The	1. The utility created by storage pertains to		(	С	)
	a) Form c) Time	<ul><li>b) Place</li><li>d) Possession</li></ul>			
2. The	loans provided to the farmers to over	come distress sales is called	(	С	)
	<ul><li>a) Production loans</li><li>c) Marketing loans</li></ul>	<ul><li>b) Consumption loans</li><li>d) Investment loans</li></ul>			
	following budgeting technique is used ostitution, enterprise substitution and s		(	D	
	<ul><li>a) Enterprise budgeting</li><li>c) Cash flow budgeting</li></ul>	<ul><li>b) Complete budgeting</li><li>d) Partial budgeting</li></ul>	(	D	))
	apparent change in frequency of sour	d due to relative motion between	(	C	)
	<ul><li>a) See beck effect</li><li>c) Doppler effect</li></ul>	<ul><li>b) Peltier effect</li><li>d) Visible effect</li></ul>			
	5. The phenomenon of bending of light at the boundary between two different media is called		(	В	)
	<ul><li>a) Reflection</li><li>c) Diffraction</li></ul>	<ul><li>b) Refraction</li><li>d) Interference</li></ul>			
6. The	persistence of sound on human ear is	about	(	В	)
	a) 0.01 second c) 1 second	b) 0.1 second d) 10 seconds			
7. The	7. The second most abundant non-metallic element in the earth crust is		(	В	)
	a) Oxygen c) Aluminium	b) Silicon d) Iron			
8. Cub	ical expansion of feldspars and quartz	t is in the ratio of	(	А	)
	a) 1:2 c) 2:1	b) 1:1 d) 1:3			

9. In the process of soil formation, when decomposition of parent material reaches final stage it is denoted by		(	D	)
a) Catena c) Virile	b) Juvenile d) Senile			
10. Alkali / Sodic soils are those which have	<i>'e</i> ;	(	D	)
a) pH < 8.5, ESP < 15 c) pH < 8.5, ESP > 15	b) pH = 8.5, ESP = 15 d) pH > 8.5, ESP > 15			
11. In normal soils, the dominant cations of	n exchange complex are	(	С	)
a) Al <sup>+3</sup> c) Ca <sup>+2</sup>	b) H <sup>+</sup> d) Na <sup>+</sup>			
12. Which of the following is used for testi	ng horizontal position of a surface	(	С	)
<ul><li>a) Trammel</li><li>c) Spirit level</li></ul>	b) Plumb bob d) Odd leg calipor			
<ul><li>13. The warrington hammer weight ranging</li><li>a) 100 gm to 5550 gm</li><li>c) 200 gm to 5550 gm</li></ul>	g from b) 200 gm to 6550 gm d) 100 gm to 6550 gm	(	В	)
14. The joining of two metal pieces by means of heat and a special filler metal knows as		(	С	)
<ul><li>a) Soldering</li><li>c) Spelter</li></ul>	<ul><li>b) Spot welding</li><li>d) Brazing</li></ul>			
<ul><li>15. Which of the following is a band saw</li><li>a) Cold saw</li><li>c) Abrasive disc</li></ul>	<ul><li>b) Friction blade</li><li>d) Friction disc</li></ul>	(	В	)
<ul><li>16. Angle plate is made up of</li><li>a) Copper</li><li>c) Alloy steel</li></ul>	b) Grey cast iron d) Soft steel	(	В	)
<ul><li>17. The drill which is intended for enlargin</li><li>a) Core drill</li><li>c) Flat drill</li></ul>	g cored, punched or drilled hole is b) Oil tube drill d) Centre drill	(	А	)
<ul><li>18. The weight of an object will be maximum</li><li>a) North pole</li><li>c) Equator</li></ul>	um when it is placed at b) South Pole d) Centre of earth	(	D	)

<ul> <li>19. The moment of inertia of a body does not depend upon</li> <li>a) The angular velocity of the body</li> <li>b) Mass of the body</li> <li>c) The axis of rotation of the body</li> <li>d) The distribution of mass in the body</li> </ul>	(	A	)
<ul> <li>20. The area under stress strain curve represents <ul> <li>a) Hardness of material</li> <li>b) Breaking strength of the material</li> <li>c) Energy required to cause failure</li> <li>d) Toughness of material</li> </ul> </li> </ul>	(	C	)
21. Which of the following is dimensionlessa) Specific speedb) Specific volumec) Specific gravityd) Specific weight	(	C	)
22. The share are usually made up of a) Aluminium c) Alloy ironb) Soft centred steel d) Mild steel	(	В	)
<ul> <li>23. A four bottom 40 cm M.B plough has a working depth of 15 cm a of 1600 kg then find the unit draft <ul> <li>a) 0.33 kg/cm<sup>2</sup></li> <li>b) 0.66 kg/cm<sup>2</sup></li> <li>c) 0.66 kg/m<sup>2</sup></li> <li>d) 0.33 kg/m<sup>2</sup></li> </ul> </li> </ul>	and draft (	В	)
<ul> <li>24. In which type of shaper, ram is driven by rack and pinion mechana) Crank shaper</li> <li>b) Geared shaper</li> <li>c) Hydraulic shaper</li> <li>d) Push type shaper</li> </ul>	nism (	В	)
<ul> <li>25. Swiss type automatic screw machine is also known as</li> <li>a) Automatic cutting off machine</li> <li>b) Single spindle automatic screw machine</li> <li>c) Sliding head type machine</li> <li>d) Bar type machine</li> </ul>		C	)
<ul> <li>26. Which of the following is not a work holding device</li> <li>a) Die holder</li> <li>b) T-bolts</li> <li>c) Chucks</li> <li>d) Angle plate</li> </ul>	(	A	)
<ul> <li>27. The process of machining narrow or grooves on a work piece is k</li> <li>a) End milling</li> <li>b) Cam milling</li> <li>c) Gear milling</li> <li>d) Saw milling</li> </ul>	known as (	D	)
28. Planer tools are made up of a) Cast iron c) Carbon steelb) High speed steel d) Alloy steel	(	В	)

<ul> <li>29. A tractor has a belt speed of 1000 m/min at nor has a recommended speed of 2200 rev/min. Fin on the feed mill <ul> <li>a) 0.1446 cm</li> <li>b) 1.44</li> <li>c) 14.46 cm</li> <li>d) 144</li> </ul> </li> </ul>	nd the size of pulley, needed 46 cm	1	С	)
	to 100 kg / cm <sup>2</sup> to 200 kg/cm <sup>2</sup>	(	D	)
31. In fluid coupling, a coupler is mounted on the a) Pistonb) Cra c) Cylinderc) Cylinderd) Fly	nk shaft wheel	(	В	)
<ul><li>32. Which of the following is a semi-conductor</li><li>a) Lithium</li><li>c) Silicon</li></ul>	b) Copper d) Aluminum	(	C	)
<ul><li>33. Which type of motor is mainly used for cranes</li><li>a) Series wound motor</li><li>c) Compound wound motor</li></ul>	b) Shunt wound motor d) A.C. motor	(	C	)
<ul><li>34. In alternator, the armature windings are mounter is called</li><li>a) Generator</li><li>c) Wound motor</li></ul>	ed on a stationary element b) Stator d) Commutator	(	В	)
	5 to 0.55 mm 5 to 0.95 mm	(	С	)
36. Groundnut harvester blade is made up of a) Cast ironb) Cop c) Mild steel bladed) Alle	oper oy steel	(	C	)
· · · · · · · · · · · · · · · · · · ·	row elliptical op type	(	В	)
<ol> <li>Find the suction capacity of a power sprayer, if 1000 rpm, length of the stroke is 22 mm, numb</li> </ol>		(	В	)
· · · · · · · · · · · · · · · · · · ·	39 l/min 9.9 l/min			
	400 kJ/kg 650 kJ/kg	(	Α	)

40. The oxygen requirement in gasification of biomass by weight is a) 1/3 b) 1/4 c) 3/4 d) 1/2	( A )
41. Quick lime is known as a) Calcium c) Calcium hydroxideb) Calcium oxide d) Calcium peroxide	( B )
<ul> <li>42. During size reduction, the production of powders and fine particles also called as <ul> <li>a) Fineness modules</li> <li>b) Communition</li> <li>c) Young modules</li> <li>d) Find powder</li> </ul> </li> </ul>	is (B)
<ul> <li>43. The removal of large particles in an initial process is known as</li> <li>a) Cleaning</li> <li>b) Grading</li> <li>c) Scalping</li> <li>d) Sorting</li> </ul>	( C )
<ul> <li>44. In thin layer drying, the maximum depth of grain bed is limited to</li> <li>a) 20 cm</li> <li>b) 30 cm</li> <li>c) 40 cm</li> <li>d) 50 cm</li> </ul>	( A )
<ul> <li>45. The percentage of broken or craked grains from all the outlets with to total grain input in the thresher by weight is <ul> <li>a) Sieve loss</li> <li>b) Blower loss</li> <li>c) Visible damage loss</li> <li>d) Cylinder loss</li> </ul> </li> </ul>	respect (C)
<ul> <li>46. Pre-milling treatment given to paddy prior to its milling is</li> <li>a) Heating</li> <li>b) Cooling</li> <li>c) Parboiling</li> <li>d) Soaking</li> </ul>	( C )
<ul> <li>47. The most important component of thresher is</li> <li>a) Cylinder</li> <li>b) Concave</li> <li>c) Sieves</li> <li>d) Frame</li> </ul>	( A )
<ul> <li>48. In all crops thresher which type of cylinder is used</li> <li>a) Rasp bar</li> <li>b) Angle bar</li> <li>c) Loop type</li> <li>d) Peg tooth type</li> </ul>	( A )
49. Thermostats are designed to start opening at a) 60 to $65^{0}$ C c) 80 to $85^{0}$ Cb) 70 to $75^{0}$ C d) 55 to $60^{0}$ C	( B )
50. The instrument used for testing the specific gravity of oil is known a a) Specific meter c) Hygrometerb) Hydrometer d) Infiltrometer	as (B)
51. Density is the reciprocal of the a) Specific volume c) Specific weightb) Bulk density d) Volume	( C )

<ul><li>52. In proximate analysis of fuel</li><li>a) Carbon</li><li>c) Volatile matter</li></ul>	<ul><li> determined separately</li><li>b) Hydrogen</li><li>d) Sulphur</li></ul>	(	А	.)
<ul> <li>53. The sand should be added in sand</li> <li>a) 1/2<sup>th</sup></li> <li>c) 2/3<sup>rd</sup></li> </ul>	l filter upto height of filter b) 1/4 <sup>th</sup> d) 3/4 <sup>th</sup>	(	A	)
<ul><li>54. The instrument used to measure s</li><li>a) Tensiometer</li><li>c) Lysimeter</li></ul>	oil moisture is b) Hydrometer d) Tachometer	(	А	)
55. Hydrocyclone filters use irrigation system	motion to remove suspended particles in mi	cro		
a) Vortex c) Rotary	<ul><li>b) Reciprocating</li><li>d) Axial flow</li></ul>	(	A	)
56. The discharge rate of emitter usua a) 2-10 l/d c) 2-10 l/h	ally ranges from b) 2-10 l/s d) 2-10 l/m	(	C	)
<ul><li>57. The blades and spokes on the disc</li><li>a) Blend</li><li>c) Lift off</li></ul>	e prevents seed mixture to b) Stratify d) Separate	(	В	)
58. A novel device which combines t	he functions of both collection and storage		р	)
	b) Solar pond d) Solar heater	(	В	)
, 5	dopted by which ancient civilization b) Mesopotamia d) Aztec	(	А	)
,	b) N/m <sup>2</sup> d) N-m	(	A	)
<ul><li>61. The imaginary line drawn in the f point gives the direction of motio</li><li>a) Path line</li><li>c) Steak line</li></ul>	luid in such a way that the tangent to any n at that point, is known as b) Stream line d) Potential line	(	В	)
<ul><li>62. The most economical section of a hydraulic mean depth or hydraulic a) Half the depth</li><li>c) Twice the depth</li></ul>	rectangular channel is one which has c radius is equal to b) Half the width d) Twice the width	(	A	)

<ul><li>63. A line joining the apex of a triangle to so side is called as</li><li>a) Check line</li></ul>	b) Tie line	(	A	)
c) Base line	d) Contour line			
<ul><li>64. The instrument attached to the wheel of a distance travelled, is called</li><li>a) Passometer</li></ul>	a vehicle in order to measures the b) Pedometer	(	C	)
c) Odometer	d) Speedometer			
<ul> <li>65. The length of a line was found to be 600</li> <li>If the chain is 15 cm short, what is the cc</li> <li>a) 500 m</li> <li>c) 575.5 m</li> </ul>	m when measured with 20 m chain.	(	D	)
<ul> <li>66. Whole circle bearing value is N 60<sup>0</sup> 30<sup>1</sup> V</li> <li>a) 46<sup>0</sup> 30<sup>1</sup></li> <li>c) 100<sup>0</sup> 00<sup>1</sup></li> </ul>	W, the reduce bearing value is b) 299 <sup>0</sup> 30 <sup>1</sup> d) 200 <sup>0</sup> 00 <sup>1</sup>	(	В	)
<ul><li>67. The most common and least expensive g</li><li>a) Central heating system</li><li>c) Exchange or conduction</li></ul>	reenhouse heating system is b) Unit heating system d) Fan and pad cooling system	(	В	)
68. The amount of heat that can be held by o temperature is	ne kg of water for each 1 <sup>0</sup> C rise in			
a) 4.23 kJ c) 0.423 kJ	b) 4.23 J d) 0.0423 kJ	(	А	)
69. The mixture of pour cement concrete is a) 1:2:3 c) 2:4:6	b) 1:3:6 d) 2:5:6	(	В	)
<ul><li>70. A branch of surveying, in which the hori points are obtained by instrumental obser</li><li>a) Chain surveying</li><li>c) Tacheometric surveying</li></ul>		(	C	)
71. In indirect method of contouring, the bes	t method of interpolation of contours	is		
<ul><li>a) Graphical method</li><li>c) Arithmetic method</li></ul>	<ul><li>b) Grid method</li><li>d) Rational method</li></ul>	(	С	)
<ul><li>72. Collimation method is used in</li><li>a) Profile levelling</li><li>c) Check levelling</li></ul>	<ul><li>b) Differential levelling</li><li>d) Reciprocal levelling</li></ul>	(	A	)

<ul> <li>73. The height of instrument is equal to</li> <li>a) Reduced level of Bench mark + 1</li> <li>b) Reduced level of Bench mark + 1</li> <li>c) Reduced level of Bench mark + 1</li> <li>d) Back sight + Fore sight</li> </ul>	Foresight	(	Α	)
<ul><li>74. The ratio of diameter of a circle of the s maximum basin length is called as</li><li>a) Drainage density</li><li>c) Circularity ratio</li></ul>	same area as the basin to the b) Elongation ratio d) Compactness coefficient	(	В	)
<ul><li>75. The ratio of average width to aerial lenge</li><li>a) Shape factor</li><li>c) Average length of watershed</li></ul>	gth of watershed is b) Farm factor d) Drainage density of water	( she	B d	)
<ul><li>76. Elevation difference between the catche basin perimeter is</li><li>a) Slope</li><li>c) Length</li></ul>	ment outlet and highest point on the b) Relief d) Shape	(	В	)
<ul><li>77. Lysimeter is used to measure</li><li>a) Infiltration</li><li>c) Evapotranspiration</li></ul>	<ul><li>b) Evaporation</li><li>d) Vapour pressure</li></ul>	(	C	)
<ul><li>78. If the drainage of channel is 1000 lps at</li><li>a) 2.4 cm</li><li>c) 24 cm</li></ul>	nd area is 360 ha, the drainage coefficients b) 0.24 cm d) 2.4 m	ient (		)
<ul><li>79. The vertical distribution of water into the a) Infiltration</li><li>c) Seepage</li></ul>	he soil is called b) Percolation d) Interflow	(	A	)
80. One Yard is equal to a) 1.30 m c) 0.76 m	b) 0.91 m d) 1.0 m	(	В	)
<ul><li>81. Drainage coefficient is the depth of wat</li><li>a) 12 h</li><li>c) 24 h</li></ul>	ter can be removed in b) 6 h d) 48 h	(	C	)
<ul><li>82. In place of low rainfall or shallow soils terraces will be used</li><li>a) Slopping in ward</li><li>c) Level type</li></ul>	<ul><li>b) Slopping outward</li><li>d) Contour</li></ul>	(	В	)
<ul> <li>83. The size of particles moves in suspensional (0.05 mm)</li> <li>c) &lt;0.5 mm</li> </ul>	on process is b) >0.05 mm d) >0.5 mm	(	C	)

84. The use of unit hydrograph for estimating floods is limited to catchments of size less than		(	С	)
a) 500 km <sup>2</sup> c) 5000 km <sup>2</sup>	b) 1000 km <sup>2</sup> d) 6000 km <sup>2</sup>			
85. If $x^2 + \frac{1}{x^2} = 14$ , then the value of	$x + \frac{1}{x}$ is	(	D	)
a) $\sqrt{14}$ c) 3	b) 196 d) 4			
86. Which of the following is not true $ \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix} $	e for the matrix	(	A	)
<ul><li>a) Identity matrix</li><li>c) Scalar matrix</li></ul>	<ul><li>b) Upper triangular matrix</li><li>d) Diagonal matrix</li></ul>			
87. $\tan^{-1}(x) + \cot^{-1}(x) =$ a) 0 c) 2 $\tan^{-1}(x)$	b) $\pi/2$ d) 2 cot <sup>-1</sup> (x)	(	В	)
<ul> <li>88. The menu which is available in MS-Word (2003) and not available in MS-Excel (2003) is</li> <li>a) Format</li> <li>b) Tools</li> </ul>		(	C	)
c) Tables	d) Data			
<ul><li>89. The memory unit that is quickly a storing information is</li><li>a) RAM</li><li>c) Pen drive</li></ul>	accessed by the processor for reading or b) ROM d) Hard disk	(	A	)
90. OHP expands to a) Over Head Projector c) Open Head Projector	b) Opaque Head Projector d) Over Height Projector	(	A	)
<ul><li>91. The method of irrigation suitable</li><li>a) Furrow method</li><li>c) Check basin method</li></ul>	for undulated areas is b) Drip method d) Sprinkler method	(	D	)

<ul><li>92. Growing two or more crops simultan definite row pattern is</li><li>a) Sequence cropping</li><li>c) Inter cropping</li></ul>	eously on the same piece of land with b) Mixed cropping d) Relay cropping	(	С	)
93. In rainfed farming rainfall is a) <1150 mm c) >1150 mm	b) >750 mm d) < 750 mm	(	C	)
<ul><li>94. Nitro Phosphate fertiliser contains</li><li>a) 15.2</li><li>c) 16.4</li></ul>		(	В	)
95. In the question below the sentence has the given alternatives, choose the on Indirect speech Direct Speech: "Please don't go a	e which best express the given sentence	e in		
<ul><li>a) She said to please let her not g</li><li>b) She told me to go away</li><li>c) She begged me not to go away</li><li>d) She begged that I will not go a</li></ul>	o away from you	(	C	)
<ul> <li>96. In measuring horizontal angles, the theodolite should be turned</li> <li>a) Clockwise from the forward station to the back station</li> <li>b) Clockwise from the back station to the forward station</li> <li>c) Anticlockwise from the forward station to back station</li> <li>d) Anticlockwise from the back station to the forward station</li> </ul>		(	В	)
97. Work done is measured by the produ	ct of	(	В	)
a) Force and mass	b) Force and distance	(	D	)
c) Distance and mass	d) Force and acceleration			
98. Unit of conductance is		(	А	)
a) U	b) Ω	(		)
c) π	d) µ			
99. Ram is the topper his classmat	es	(	С	)
a) to	b) than	(		/
c) among	d) on			
100. Current information about market a	rrivals and prices pertains to	(	С	)
a) Market intelligence	b) Market survey	Ì		,
c) Market news	d) Market analysis			