A	Reg. No.:						
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Question Paper Code: U8A62

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2024

One Credit Course

Agriculture Engineering

21UA	G862 - VERMICOMP	OSTING TECHNOLOG	Y				
(Regulations 2021)							
ation: 1.30 hours	Maximum: 50 Marks						
Answer ALL Questions							
PART A - $(10 \times 1 = 10 \text{ Marks})$							
Topsoil dwelling earth	nworms		CO1 -U				
(a) Endogeic species	(b) Anecic species	(c) a only	(d) Both (a) & (b)				
Vermicomposting, ten	nperatures are kept gen	erally kept below	CO1 -U				
(a) 35°C	(b) 24 ⁰ C	(c) 23^{0} C	(d) 25^0 C				
Deep burrowing earth	worms called		CO1 -U				
(a) Endogeic species	(b)Anecic species	(c) b only	(d) Both (a) & (b)				
Vermicomposting requ	CO1 -U						
(a) $10-15^{\circ}$ C	(b) 30-35 ⁰ C	(c) $10-35^{\circ}$ C	(d) $20-25^{\circ}$ C				
5. Earthworm requires plenty of moisture for their growth and survival CO1 -U							
(a) 60–75 %.	(b) 60-85%	(c) 70-80%	(d) above 60%				
Mesophiles means			CO1 -U				
(a) low temperature microbes (b) medium temperature			are microbes				
(c) high temperature microbes (d) none of the above							
Example of Rice husk	is called	_	CO1 -U				
(a) Rice husk, cereal re	esidues (b) Millet s	straw (c) Wheat bran	(d) all of the above				
Earthworms are pH se	nsitive ranging from.		CO1 -U				
(a) 4.5 to 9	(b) 5 to 7	(c) 7 to 8 (d) N	None of the above				
	Topsoil dwelling earth (a) Endogeic species Vermicomposting, ten (a) 35°C Deep burrowing earth (a) Endogeic species Vermicomposting requ (a) 10-15°C Earthworm requires pl (a) 60–75 %. Mesophiles means (a) low temperature m (c) high temperature m Example of Rice husk (a) Rice husk, cereal research worms are pH se	(Regulation ation: 1.30 hours Answer ALL PART A - (10 x Topsoil dwelling earthworms (a) Endogeic species (b) Anecic species Vermicomposting, temperatures are kept gen (a) 35°C (b) 24° C Deep burrowing earthworms called (a) Endogeic species (b)Anecic species Vermicomposting require moderate temperat (a) 10-15°C (b) 30-35°C Earthworm requires plenty of moisture for the (a) 60-75 %. (b) 60-85% Mesophiles means (a) low temperature microbes (c) high temperature microbes Example of Rice husk is called (a) Rice husk, cereal residues (b) Millet see Earthworms are pH sensitive ranging from.	Answer ALL Questions PART A - (10 x 1 = 10 Marks) Topsoil dwelling earthworms (a) Endogeic species (b) Anecic species (c) a only Vermicomposting, temperatures are kept generally kept below (a) 35°C (b) 24° C (c) 23° C Deep burrowing earthworms called (a) Endogeic species (b)Anecic species (c) b only Vermicomposting require moderate temperatures range from (a) 10-15° C (b) 30-35° C (c) 10-35° C Earthworm requires plenty of moisture for their growth and survival (a) 60-75 %. (b) 60-85% (c) 70-80% Mesophiles means (a) low temperature microbes (b) medium temperatures in the control of the above of the control of the control of the above in the control of the control of the control of the above in the control of the control of the above in the control of the control of the above in the control of the above in the control of the control of the above in the control of the control of the above in the control of the control				

9.	Psyc	chrophiles means		C	01 - U
	(a) 1	ow temperature microbes	(b) medium temperature micro	bes	
	(c) ł	nigh temperature microbes	(d) none of the above		
10.		C	O1 - U		
	(a) (Canning industry waste	(b) breweries waste		
	(c) dairy industry waste (d) all of the above				
		PART – B (2 :	x 20 = 40 Marks)		
11.	(a)	CO1 -U	(20)		
	(b)	Or Give the detailed information about E Fragmentation and breakdown.	arthworms for bioconversion,	CO1 -U	(20)
12.	(a)	Explain the Vermicomposting Acce enrichment of compost with bio-inocular Or	•	CO1 -U	(20)
	(b)	Write the common problems you may e your vermicomposting systems and the	•	CO1 -U	(20)