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**Question Paper Code: 98A61**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2025

One Credit

Agriculture Engineering

19UAG861 – MUSHROOM CULTIVATION TECHNOLOGY

(Regulation 2019)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (6 x 1 = 6 Marks)

1. The umbrella shaped fruiting body above the stipe called ..... CO1-U  
(a) Cap (b) Ring (c) Cup (d) Both (b) and (c)
2. The study of fungi is called..... CO1-U  
(a) Mycology (b) Plant pathology (c) Mycophagy (d) Fungiculture
3. In spawn production the boiled grains are mixed with  $\text{CaCO}_3$  at .....on dry weight basis. CO2-App  
(a) 2g/kg (b) 20g/kg (c) 2g/g (d) 200g/ kg
4. ....species of mushroom were used for cut wound healing by early Chinese CO1-U  
(a) Amanitasp. (b) Ganodermsp. (c) Volvariella sp. (d) Calocybesp.
5. APK1 is a variety of ..... mushroom CO1-U  
(a) Oyster mushroom (b) Button mushroom  
(c) Milky mushroom (d) Paddy straw mushroom
6. Seed material of mushroom as called CO1-U  
(a) Spore (b) Spawn (c) Mycelium (d) All the above

PART – B (6 x 2= 12 Marks)

7. Write the systematic position of milky mushroom? CO1-U
8. Explain about spawn and casing? CO1-U
9. Give details about medicinal uses of mushroom? CO1-U

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|---|---------|
| 10. Write the short notes about care of mushroom bed?   | CO2-App |
| 11. Write any five mushroom research stations in India? | CO1-U   |
| 12. Write procedure for preparation of PDA medium?      | CO2-App |

PART – C (2 x 16= 32 Marks)

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|---|---------|------|
| 13. (a) Explain about methods of spawn preparation.                               | CO1-U   | (16) |
| Or  |         |      |
| (b) How to maintain spawn quality after preparation of spawn?                     | CO1-U   | (16) |
| 14. (a) How to identify the edible and non-edible mushroom with suitable example? | CO2-App | (16) |
| Or  |         |      |
| (b) Write land mark of mushroom research in India?                                | CO1-U   | (16) |