

QUESTION BANK CPT I

Fill in the blanks:

1. The botanical name and family of paddy is.....Ans.Oryza sativa, Poaceae
2. The chromosome number of paddy is..... Ans. $2n = 24$.
3. The cultivated spp. of paddyAns.O. sativa and O. glaberima.
4. The protein (Oryzein) content in paddy is..... Ans.6-7%
5. Indica rice is grown inAns.India
6. Japonica rice is grown in..... Ans.Japan
7. Javanica rice is grown inAns.Indonesia
8. Rice inflorescence is called as..... Ans.Panicle
9. Optimum temperature for good rice crop growth isAns. $30-32^{\circ}\text{C}$.
10. Best pH for cultivation of rice isAns.4-6 pH
11. Sowing of paddy in April-May and harvesting in August-Sept. is called as.....
Ans.Aus/Autumn/Pre kharif paddy
12. Sowing of paddy in June-July and harvesting in October is called as.....
Ans.Aman/Kharif/Aghani
13. Sowing of paddy in January-Feb and harvesting in April-May is called
as.....Ans.Boro/Summer/Spring
14. The best system of rice culture is..... Ans.Transplanting
15. The tillage implement, most suitable for rice cultivation isAns.Power tiller
16. Hulling percentage of rice is..... Ans.70-75%
17. The gene responsible for dwarfness in rice is..... Ans.Dee-gee-woo-gene
18. First intervarietal cross variety of rice?Ans.Jaya (TN1 = T141)
19. The rice variety called 'miracle rice' is..... Ans.IR-8
20. Normally rice plant is transplanted at..... Ans.21-25 days after sowing (3-4 leaf
stage)
21. Under SRI method, rice plant is transplanted at..... Ans.10-12 DAS (Days After
Sowing)
22. The botanical name of maize is.....Ans. *Zea mays*
23. Maize crop is also referred as.....Ans.Queen of cereals
24. The maize protein is known as..... Ans.Zein
25. Protein and oil per cent in Maize grain.....Ans.8–10 per cent and 4–5 per cent
26. Most widely grown maize spp. in India is.....Ans.*Zea mays indurata* (Flint corn)
27. Leading state of rabi maize is.....Ans.Bihar
28. Maize variety widely grown in USA.....Ans.*Zea mays indentata* (Dent corn)
29. The sweetest maize species.....Ans.*Zea mays sacchrata* (Sweet corn)
30. Maize species produce starch similar to tapiocaAns.*Zea mays ceretina* (Waxy
corn)
31. Seed rate of Hybrid maizeAns.20 to 25 kg/ha
32. Seed rate of Composite maize isAns.15 to 20 kg/ha
33. First maize hybrid released in India.....Ans.1961
34. Single cross technology of maize is given by..... Ans.East and Shull (1910)

76. Bitterness in jute is due toAns.Corchorin
 77. Low quality of jute fibre attributed to.....Ans.Discolouration of fibre
 78. The most common varieties of jute are.....Ans.JRC-321 (Sonali), JRC-212 (Sabuj sona), JRC 7447 (Shyamli), Hybrid C (Padma), KC1 (Joydev) etc.
 79. Ideal stage of jute harvesting for fibre purpose.....Ans.Small pod stage/initiation of pod formation (135-140 DAS)
 80. Retting of jute fibre is a..... Ans.Biochemical process.

Column matching:

1. a. Rice-----Parboiling
 b. cotton-----ginning
 c. jute-----retting
 d. napier-----silage preparation
 e. ground nut-----decorticating
2. a. NRRI-----Cuttack
 b. CRIJAF-----Barrackpur
 c. CICR-----Nagpur
 d. IIRR-----Hyderabad
 e. IGFRI-----Jhansi
3. a. Sweet corn----- *Zea mays saccharata*
 b. flint corn----- *Zea mays indurata*
 c. dent corn----- *Zea mays indentata*
 d. pop corn----- *Zea mays everta*
 e. pod corn----- *Zea mays tunicate*

Long type questions:

1. Write down the detail cultivation practices of SRI rice?
2. Write down the detail cultivation practices of aerobic rice?
3. Write down the detail cultivation practices of transplanted rice?
4. Discuss about different types of rice planting technique along with seed rate and spacing?
5. Discuss about classification of maize?
6. Write economic importance of maize?
7. Discuss the process of fibre extraction in jute in detail?
8. Write down the detail cultivation practices of kharif maize?
9. Write economic importance of cotton?
10. Discuss about the weed management in cotton?
11. Write economic importance of jute?
12. Explain in detail about different types of jute with difference?
13. Write economic importance of arhar?
14. Explain the constraints in pulse production?
15. Write down the detail cultivation practices of green gram?
16. Write down the detail cultivation practices of black gram?

17. Write down the detail cultivation practices of cowpea?
18. Write down uses and economic importance of cowpea?
19. Briefly classify different kharif fodder crops?
20. Write down uses and economic importance of cluster bean?
21. Write down harvesting, yield, uses and economic importance of napier?
22. Write down the detail cultivation practices of sorghum?
23. Write down the detail cultivation practices of finger millet?
24. Write down the detail cultivation practices of pearl millet?
25. Write down uses and economic importance of finger millet?
26. Write down uses and economic importance of soybean?
27. Write down uses and economic importance of arhar?
28. Write down uses and economic importance of groundnut?
29. Write down water and nutrient management in groundnut?
30. Write down uses and economic importance of sweet corn?
31. Write down importance of fodder crops in indian agriculture?

Short answer type questions:

1. Explain nursery preparation in rice?
2. What is SRI? What is the transplanting process in this?
3. Write down the benefits of SRI rice?
4. Write down the benefits of aerobic rice?
5. Write down the benefits of puddling?
6. Write down the benefits of transplanted rice?
7. Explain the process of Beusaning?
8. Write down the process of nutrient management in transplanted rice?
9. Write down the process of weed management in DSR?
10. Write down the process of water management in SRI?
11. Write down the benefits of sweet corn?
12. What is retting, explain briefly?
13. What is delinting, explain briefly?
14. What is ginning explain briefly?
15. Explain the process of parboiling?
16. Write down the process of weed management in cotton?
17. Write down the process of nutrient management in groundnut?
18. Write down the process of water management in cotton?
19. Write down the process of weed management in cotton?
20. Write down the process of nutrient management in jute?
21. Write down the process of water management in jute?
22. Write down the process of weed management in fingermillet
23. Write down the process of weed management in sorghum?
24. Write down the process of nutrient management in cowpea?
25. Write down the process of nutrient management in maize?
26. Write down the process of water management in maize?
27. Explain the process of pegging?

28. Explain the post harvest operation of cotton?
29. Write down the soil and climate requirement of cotton?
30. Explain the nutritional value of soybean?
31. Explain the uses of black gram?
32. Explain the uses of green gram?
33. Explain the uses of soybean?
34. Explain the uses of groundnut?
35. Explain the uses of cowpea?
36. Explain the uses of sorghum?
37. Explain the uses of finger millet?
38. Explain the uses of pearl millet?
39. Explain the uses of clusterbean?
40. Explain in detail about Indian cotton
41. Explain in detail about sea island cotton?
42. Explain in detail about bt cotton?
43. Explain in detail about white jute?
44. Write down the process of harvesting in napier?
45. What is sorghum sickness, explain briefly?
46. Write down seed treatment of groundnut?