



# DIRECTORATE OF SCHOOL EDUCATION TAMILNADU

<b>12NPCB15 (2023-24)</b>	<b>NEET PRACTICE QUESTIONS (TEST-15)</b>	<b>Class : XII Time : 1.15 hrs Total Marks : 240</b>
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## Answer key

### 12th - BOTANY

31. A) Eichhornia crassipes
32. C) Sacred plant
33. C) I true II false
34. C) III and IV
35. D) I only
36. D) IV only
37. C) Sundarlal Bahuguna
38. C) Both A and R true and correct explanation
39. C) Inter membrane space
40. B) Function as electron carrier
41. B) One

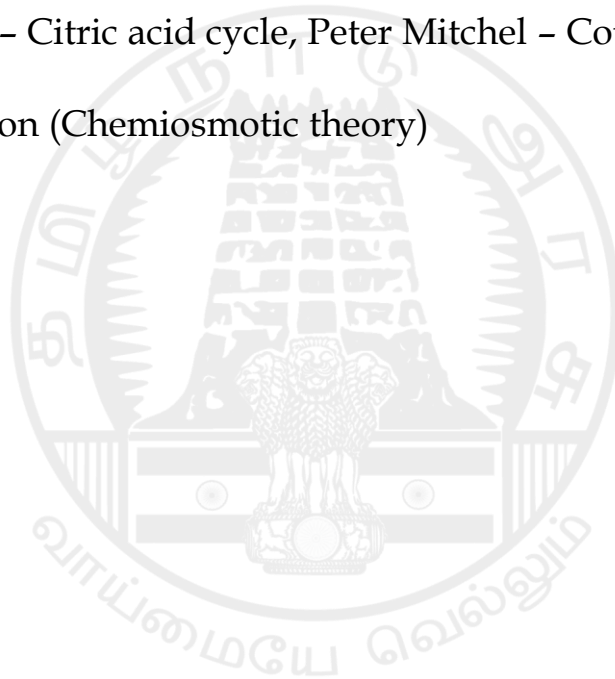
42. D) ATP in small stepwise units

43. C) Hexokinase

44. D) Cytochrome b, c, a, a<sub>3</sub>

45. A) a- II b-I c- IV d- III

Solution: Lipman - Energy transformation concept, Karl Lohman- ATP, Sir Hans Adolf Krebs - Citric acid cycle, Peter Mitchel - Coupling of oxidation and Phosphorylation (Chemiosmotic theory)





# DIRECTORATE OF SCHOOL EDUCATION TAMILNADU

<b>11NPCB15 (2023-24)</b>	<b>NEET PRACTICE QUESTIONS (TEST-15)</b>	<b>Class : XI Time : 1.15 hrs Total Marks : 240</b>
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## Answer key

### 11<sup>th</sup> - BOTANY

31. C) Both A and R true and correct explanation
32. C) Inter membrane space
33. B) Function as electron carrier
34. B) One
35. D) ATP in small stepwise units
36. C) Hexokinase
37. D) Cytochrome b, c, a, a<sub>3</sub>
38. A) a- II b-I c- IV d- III

Solution: Lipman - Energy transformation concept, Karl Lohman- ATP, Sir Hans Adolf Krebs - Citric acid cycle, Peter Mitchel - Coupling of oxidation and Phosphorylation (Chemiosmotic theory)

39. A) 2 ATP and 2NADH + H<sup>+</sup>

40. B) Succinate dehydrogenase

Solution: Succinate dehydrogenase found mitochondrial inner membrane

41. B) Succinyl CoA

42. D) I, II, III and IV

43. A) a-II b-I, c-IV, d-III

Solution: complex I - Flavo Protein, Complex II - FAD Flavo protein,

Complex III - Ubiquinone, Complex IV - Terminal oxidation

44. D) amphibolic

45. B) Two

