DIRECTORATE OF SCHOOL EDUCATION
TAMILNADU

12NPCB15 (2023-24)	NEET PRACTICE QUESTIONS (TEST-15)	Class : XII Time : 1.15 hrs Total Marks : 240

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, a3

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

11NPCB15 (2023-24)	NEET PRACTICE QUESTIONS (TEST-15)	Class : XI Time : 1.15 hrs Total Marks : 240

Answer key

11th – 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, a3

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^+

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