



UNIFIED COUNCIL

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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 12 (PCB)

Question Paper Code : UN446

KEY

1. A	2. D	3. B	4. A	5. C	6. C	7. B	8. C	9. B	10. B
11. B	12. C	13. D	14. B	15. B	16. C	17. B	18. C	19. C	20. B
21. A	22. A	23. A	24. B	25. B	26. C	27. A	28. D	29. Del	30. D
31. D	32. C	33. B	34. C	35. A	36. C	37. A	38. C	39. A	40. D
41. D	42. A	43. C	44. B	45. B	46. D	47. C	48. A	49. B	50. C
51. A	52. B	53. D	54. A	55. A	56. D	57. A	58. C	59. B	60. A

SOLUTIONS

BIOLOGY

- (A)** Glucose and Fructose are mono-saccharide that form into sucrose a disaccharide.
- (D)** Animals need a regular supply of carbohydrates as a source to provide cellular energy.
- (B)** Enzymes provide a site for substrate to react.
- (A)** During mitosis the number of chromosomes before and after the cell division remains the same.
- (C)** A pyramid of biomass shows the amount of dry mass of living organisms at each

- trophic level. A typical pyramid of biomass has progressively decreasing biomass with the producer having the largest biomass, followed by a primary consumer (a herbivore), secondary and tertiary consumers (usually carnivores) with smaller biomass. The decrease in biomass is due to the loss in heat energy during tissue respiration to produce energy for the metabolic activities in the organisms at each trophic level.
- (C)** To minimise water pollution, sewage should be treated before discharge to reduce the amount of organic wastes that enter the lake.