

# ISC Class 12 Semester 1 Biology Answer Key PDF



1 - A (The Inducer)

2 - B (Hershey and Chase)

3 - D (UAA, UAG, UGA)

4 - B (50%)

5 - A (Test Cross)

6 - D (Birds)

7 - C (Four Months)

8 - A (Frog)

9 - C (100)

10 - A (57)

11 - B (Pectocellulose)

12 - A (Zona pellucida)

13 - D (In spermiogenesis, spermatozoa are formed; while in spermiation, spermatozoa are released from the Sertoli cells)

14 - B (Amniocentesis)

15 - D (Cervical cap)

16 - D (Streptokinase)

17 - B (Dragonfly)

18 - C (2pq)

19 - A (small isolated population)

20 - D (Eyelids)

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- 21 - B (Heterogeneous nuclear Ribonucleic acid)
- 22 - A (Intrauterine contraceptive device)
- 23 - C (Ernst Haeckel)
- 24 - D (Henking)
- 25 - C (Senescence)
- 26 - B (Special proteins)
- 27 - A (Ovary to the uterus)
- 28 - B (16)
- 29 - C (Progesterone)
- 30 - C (Klinefelter's syndrome)
- 31 - B (3 billion)
- 32 - C (Gene flow)
- 33 - B (*Saccharomyces cerevisiae*)
- 34 - C (Mycorrhiza)
- 35 - D (Perisperm represents the persistent endosperm)
- 36 - C (Use and disuse of organs)
- 37 - C (A – (ii), B – (iii), C – (i), D – (iv))
- 38 - D (A – (iii), B – (i), C – (ii))
- 39 - D (Apes)
- 40 - A (Ladybird beetles)

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41 - C (Assertion is true but the reason is false)

42 - C (Assertion is true but the reason is false)

43 - A (Both assertion and reason are true, and the reason is the correct explanation of the assertion)

44 - C (Assertion is true but the reason is false)

45 - C (Assertion is true but the reason is false.)

46 -

- 1 - A (Leading strand)
- 2 - C (DNA ligase)
- 3 - D (Semi-discontinuous)
- 4 - C (Okazaki fragments)
- 5 - C (cause the polymerisation of the complementary daughter strand)

47 -

- 1 - A (Spermatogonia)
- 2 - C (FSH and LH)
- 3 - B (P-primary spermatocytes, R- spermatids)
- 4 - A (Mitochondria)
- 5 - B (At the onset of puberty)

48 -

- 1 - B (Municipal wastewater)
- 2 - A (mechanical removal of grit)
- 3 - C (Masses of bacteria associated with fungal filaments)
- 4 - B (Decreases)

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- 5 - D (Methane)

49 -

- 1 - A (Assisted reproductive technology)
- 2 - C (Fertilization of the ovum with sperms in a petri dish)
- 3 - A (ZIFT)
- 4 - A (Irregular or no ovulation)
- 5 - D (It does not need hospitalization)

50 -

- 1 - A (A symbol of a square and a circle joined by a horizontal line)
- 2 - B (Recessive trait)
- 3 - D (An X-linked recessive trait)
- 4 - A (Autosomal dominant)
- 5 - B (Autosomal recessive trait)