

ISC Class 12 Biotechnology Answer Key

2021-22

ISC Class 12 Semester 1 Biology answer key 2021-22 has been updated. You can check the question-wise answers in the table below –

1 – A (The Inducer)	16 – D (Streptokinase)	31 – B (3 billion)
2 – B (Hershey and Chase)	17 – B (Dragonfly)	32 – C (Gene flow)
3 – D (UAA, UAG, UGA)	18 – C (2pq)	33 – B (<i>Saccharomyces cerevisiae</i>)
4 – B (50%)	19 – A (small isolated population)	34 – C (Mycorrhiza)
5 – A (Test Cross)	20 – D (Eyelids)	35 – D (Perisperm represents the persistent endosperm)
6 – D (Birds)	21 – B (Heterogeneous nuclear Ribonucleic acid)	36 – C (Use and disuse of organs)
7 – C (Four Months)	22 – A (Intrauterine contraceptive device)	37 – C (A – (ii), B – (iii), C – (i), D – (iv))
8 – A (Frog)	23 – C (Ernst Haeckel)	38 – D (A – (iii), B – (i), C – (ii))

9 – C (100)	24 – D (Henking)	39 – D (Apes)
10 – A (57)	25 – C (Senescence)	40 – A (Ladybird beetles)
11 – B (Pectocellulose)	26 – B (Special proteins)	41 – C (Assertion is true but the reason is false)
12 – A (Zona pellucida)	27 – A (Ovary to the uterus)	42 – C (Assertion is true but the reason is false)
13 – D (In spermiogenesis, spermatozoa are formed; while in spermiation, spermatozoa are released from the Sertoli cells)	28 – B (16)	43 – A (Both assertion and reason are true, and the reason is the correct explanation of the assertion)
14 – B (Amniocentesis)	29 – C (Progesterone)	44 – C (Assertion is true but the reason is false)
15 – D (Cervical cap)	30 – C (Klinefelter's syndrome)	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) 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 hospitalisation)
		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)
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Disclaimer: The answers have been provided by experts with years of experience in teaching the subject. Times Now takes no responsibility for the accuracy of the responses. They have been provided only for reference purposes.



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