

GENETICS, EVOLUTION OF LIFE & ECOLOGICAL BIODIVERSITY BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

Q1. From a cross $AABb \times aaBb$, the genotypes $AaBB : AaBb : Aabb : aabb$ will be obtained in the following ratio

- a) 1 : 2 : 1 : 0
 - b) 0 : 3 : 1 : 0
 - c) 1 : 1 : 1 : 1
 - d) 1 : 1 : 1 : 0
-

Q2. Dinosaurs were in

- a) Mesozoic era
 - b) Paleozoic era
 - c) Cenozoic era
 - d) Pleistocene era
-

Q3. ICBN stands for

- a) Indian Code of Botanical Nomenclature
 - b) International Code of Botanical Nomenclature
 - c) International Congress of Biological Names
 - d) Indian Congress of Biological Names.
-

Q4. Energy is maximum in trophic level and minimum in the trophic level

- a) top, Bottom
- b) producer, consumer

c) consumer, decomposer

d) bottom, Top

5000+ FREE GENERAL SCIENCE MCQ QUESTION BANK FOR ALL SSC, UPSC, BANK, RAILWAY EXAMS

[Free Practice MCQs »](#)

[Download More PDF »](#)

[Free Online Quiz »](#)

Q5. The accumulation of non-biodegradable substances in a food chain in increasing amount at each higher trophic level is known as:

a) Pollution

b) Accumulation

c) Eutrophication

d) Bio magnification

Q6. The book 'Origin of Species' was written by

a) Mendel

b) Darwin

c) Lamarck

d) de Vries

Q7. Match List-I with List-II :

List-I	List-II
A. Discovery of transduction and conjugation	1. Khurana
B. Establishing the sex-linked inheritance	2. Kornberb
C. Isolation of DNA polymerase from E. coli	3. Lederberg
D. Establishing the complete genetic code	4. Morgan

Select the correct answer from the codes given below the lists: (A) (B) (C) (D)

a) 4 3 1 2

- b) 3 4 1 2
 - c) 4 3 2 1
 - d) 3 4 2 1
-

Q8. Which one of the following is not a feature of eutrophic lakes?

- a) Primary productivity is low
 - b) Blooms are frequent in eutrophic lakes
 - c) Plant nutrient flux is high
 - d) Dominated by blue green algae
-

Q9. The book 'Origin of Species' is written by

- a) Darwin
 - b) Watson
 - c) Aristotle
 - d) Lamarck
-

Q10. Down's syndrome is due to

- a) chromosome number increase in 18th pair autosome
 - b) chromosome number decrease in 21st pair autosome
 - c) chromosome number increase in 21st pair autosome
 - d) chromosome number decrease in 18th pair autosome
-

Q11. Which of the following is not a pteridophyte?

- a) Polypodium
 - b) Ginkgo
 - c) Selaginella
 - d) Azolla
-

Q12. Which bacteria is utilized in gober gas plant?

- a) Ammonifying bacteria
- b) Methanogens
- c) Nitrifying bacteria
- d) Denitrifying bacteria

1000+ FREE GENETICS, EVOLUTION OF LIFE & ECOLOGICAL BIODIVERSITY BASED QUESTIONS AND ANSWERS FOR ALL COMPETITIVE EXAMS

[Free Practice MCQs »](#)

[Download More PDF »](#)

[Free Online Quiz »](#)

Q13. According to recent proof, the life on earth emerged approximately

- a) Before 20,00,000 years
- b) Before 20,000 years
- c) Before 2,00,000 years
- d) Before 2,000,000,000 years

Q14. To which of the following types of animals are Salamanders closely related?

- a) Prawns and Crabs
- b) Dolphins and Whales
- c) Frogs and Toads
- d) Seals and Walruses

Q15. Vestigial organs are those present in the living beings without functions gives and mark the correct option for vestigeal organs in humans

- a) nictitating membrane in eyes
- b) Vermiform appendix
- c) mammary glands of male
- d) all of the above

Answers to the above questions :

Q1. Answer: (a)

AABb × aaBb

AB	Ab	AB	Ab	
aB	AaBB	AaBb	AaBB	AaBb
aB	AaBb	Aabb	AaBb	Aabb
aB	AaBB	AaBb	AaBB	AaBb
ab	AaBb	Aabb	AaBb	Aabb

AaBB : AaBb : Aabb : aabb

4 : 8 : 4 : 0

AaBB = 1; AaBb = 2; Aabb = 1; aabb = 0

Q2. Answer: (a)

Q3. Answer: (b)

ICBN (International Code of Botanical Nomenclature) - It is one of the codes of nomenclature which is independent of zoological and bacteriological nomenclature.

The code applies equally to names of taxonomic groups treated as plants whether or not these groups were originally so treated.

5000+ GENERAL SCIENCE MCQ TOPIC WISE MCQ QUESTION BANK WITH SOLVED ANSWERS & FREE PDF

[MEASUREMENT AND SI UNITS](#)

[MEASURING DEVICES AND SCALES](#)

MECHANICS (MASS, FORCE, ACCELERATION, WORK, ENERGY, MOMENTUM,
VELOCITY)

FORCE OF GRAVITY, SOLIDS AND FLUIDS MOTION UNDER GRAVITY

PHYSICAL PROPERTIES OF MATERIALS

LIGHT, HEAT, THERMODYNAMICS, WAVE MOTION, SOUND, OPTICS & OSCILLATIONS

ELECTRIC CURRENT AND MAGNETISM NUCLEAR PHYSICS AND CONDUCTIVITY

MODERN AND SPACE PHYSICS, SOURCES OF ENERGY

GENERAL CONCEPTS OF CHEMISTRY NATURE OF MATTER AND COMPOSITION

ATOMIC STRUCTURE MOLECULES AND NUCLEAR CHEMISTRY

CLASSIFICATION OF ELEMENTS, CHEMICAL BONDING, PERIODICITY IN PROPERTIES &
PHYSICAL TRANSFORMATION

METALS, NON METALS, MINERALS, ORES, PROPERTIES, USES

ALLOYS, CARBON & ITS VARIOUS FORMS, HYDROGEN & COMPOUNDS, SULPHUR,
NITROGEN, HALOGEN & INERT GASES

ACIDS, BASES, SALTS AND METALS

HYDROCARBON, ALCOHOL, POLYMER, ORGANIC ACID AND EXPLOSIVE SUBSTANCE

FUEL, FOOD PRESERVATION, NUTRITION, MEDICINE, DETERGENTS AND FERTILIZERS

INORGANIC CHEMISTRY ORGANIC CHEMISTRY ENVIRONMENTAL CHEMISTRY

SOME IMPORTANT MAN MADE MATERIALS SUB DIVISIONS OF BIOLOGY

GENETICS, EVOLUTION OF LIFE & ECOLOGICAL BIODIVERSITY TAXONOMY

HEREDITY BIOFERTILIZER

BIOLOGICAL CLASSIFICATION CELL TISSUES AND DIVISION HUMAN ANATOMY

BLOOD TRANSPORT SYSTEM DIGESTION AND EXCRETION PHOTOSYNTHESIS

VITAMINS, NUTRITION, HEALTH, DISEASE AND TREATMENT

ENDOCRINE GLANDS, HORMONES

PHYSIOLOGY OF PLANTS, HUMANS AND ANIMALS REPRODUCTION

FOOD PRODUCTION BIOLOGY IN HUMAN WELFARE

ECOLOGY AND ENVIRONMENT AWARENESS

GENETIC ENGINEERING AND BIO TECHNOLOGY

Q4. Answer: (d)

- A. Producers are the green plants which synthesise their own food using sunlight.
- B. Herbivores are primary consumers who feed on producers.
- C. Carnivores are secondary consumers who feed primary consumers.
- D. Top carnivores are tertiary consumers who feed on other carnivores.

Maximum energy is stored in the trophic levels of producers as they synthesise their own food. They occupy the lowest trophic level and energy is transferred from them to higher subsequent trophic levels. As the energy decreases each time it is transferred to the next higher trophic level, the lowest trophic level i.e. producers, have maximum energy.

Q5. Answer: (d)

Non-biodegradable substances like pesticide residues cannot be digested or consumed by organisms, so, they are just passed on to organisms of the next trophic level along with food. These non-biodegradable residues keep on accumulating.

The higher the trophic level an organism occupies in the food chain higher will be the accumulation of non-biodegradable pesticide residues.

This phenomenon is called biomagnification. So, the correct answer is 'Biomagnification'

Q6. Answer: (b)

Q7. Answer: (c)

Q8. Answer: (c)

Q9. Answer: (a)

'Origin of Species' book was written by Charles Robert Darwin.

During his world journey (1831–1836) as a naturalist on the H.M.S. Beagle ship, he visited many parts of the world. On the basis of the observations of this journey, he wrote the book thereby describing his theory of natural selection.

Q10. Answer: (c)

Down syndrome is a case of Trisomy 21, a genetic disorder caused by the presence of all or part of a third copy of chromosome 21.

Q11. Answer: (b)

Ginkgo is a gymnosperm.

Q12. Answer: (b)

Methanobacillus (methanogen) occurs in marshes and also in dung. It produces CH_4 gas under anaerobic condition and is utilized in goobar gas plant.

Q13. Answer: (d)

Q14. Answer: (c)

Q15. Answer: (d)

These 'useless' body parts, otherwise known as vestigial organs, are remnants of lost functions that our ancestors possessed. They once represented a function that evolved out of

a necessity for survival, but over time that function became non-existent.

On our site **Careerions.com**, You can find all the content you need to prepare for any kind of exam like. **Verbal Reasoning, Non-Verbal Reasoning, Aptitude, English, Computer, History, Polity, Economy, Geography, General Science, General Awareness** & So on. Make use of our expert-curated content to get an edge over your competition and prepare for your exams effectively.

Practice with our **Free Practice MCQs, Mock Tests Series, Online Quiz** and get an idea of the real exam environment. Keep track of your progress with our detailed performance reports. They are perfect for competitive exam preparation, as well as for brushing up on basic & fundamental knowledge. The questions are updated regularly to keep up with the changing syllabuses.

Careericons.com