

BIOLOGY IN HUMAN WELFARE BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Q1. Which one of the following statement is true?

- a) The lesser the BOD of waste water, more is its polluting potential.
 - b) The greater the BOD of waste water, more is its polluting potential.
 - c) The greater the BOD of waste water, less is its polluting potential.
 - d) The lesser the BOD of waste water, less is its polluting potential.
-

Q2. Important objective of biotechnology in agriculture section is

- a) to decrease the seed number
 - b) to produce pest resistant varieties of plant
 - c) to increase the nitrogen content
 - d) to increase the plant weight
-

Q3. Cheese and Yogurt are products obtained by

- a) fermentation
 - b) distillation
 - c) pasteurization
 - d) dehydration
-

Q4. Which gas is responsible for the puffed-up appearance of dough ?

- a) SO_2
- b) CO_2
- c) O_2

d) NO₂

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Q5. Streptokinase which is used as a 'clot buster' obtained from

- a) Lactobacillus
- b) Streptococcus
- c) Staphylococcus
- d) Saccharomyces

Q6. Most of eubacterial antibiotics are obtained from

- a) Streptomyces
- b) Rhizobium
- c) Bacillus
- d) Cephalosporium

Q7. Jatropha is a

- a) fibre crop
- b) biodiesel crop
- c) biopetro crop
- d) food crop

Q8. Biogas consists of

- a) carbon monoxide, ethane and hydrogen.
- b) carbon monoxide, methane and hydrogen.
- c) carbon dioxide, methane and hydrogen.

d) carbon dioxide, ethane and hydrogen.

Q9. Domestication of honey bees is called

- a) Tissue culture
 - b) Sericulture
 - c) Apiculture
 - d) Pisciculture
-

Q10. Murrah, Mehsana, Jaffarbadi are breeds of

- a) Cattle
 - b) Buffalo
 - c) Cow
 - d) Horse
-

Q11. The most common species for bee-keeping in India is

- a) *Apis dorsata*
 - b) *Apis florae*
 - c) *Apis mellifera*
 - d) *Apis indica*
-

Q12. Chemically, the silk is

- a) Protein
- b) Cellulose
- c) Resin
- d) Lipid

Q13. The term antibiotic was coined by

- a) Louis Pasteur
- b) Alexander Flemming
- c) S. Waksman
- d) Edward Jenner

Q14. The example of non-renewable source of energy is

- a) biogas
- b) alcohol fuel
- c) petroleum
- d) fuel wood

Q15. Yeast *Saccharomyces cerevisiae* is used in the industrial production of

- a) tetracycline
- b) butanol
- c) citric acid
- d) ethanol

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (b)

Q3. Answer: (a)

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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

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HYDROCARBON, ALCOHOL, POLYMER, ORGANIC ACID AND EXPLOSIVE SUBSTANCE

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

INORGANIC CHEMISTRY

ORGANIC CHEMISTRY

ENVIRONMENTAL CHEMISTRY

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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: (b)

Q5. Answer: (b)

Q6. Answer: (c)

Bacillus subtilis is used to extract antibiotics substilin or Bacitracin.

Q7. Answer: (b)

Jatropha is a genus of flowering plants in the spurge family, euphorbiaceae. Currently the oil from Jatropha curcas seeds is used for making biodiesel fuel in Phillippines and in Brazil.

Q8. Answer: (c)

Q9. Answer: (c)

Q10. Answer: (b)

Q11. Answer: (d)

Q12. Answer: (a)

Q13. Answer: (c)

Q14. Answer: (c)

Q15. Answer: (d)

Commercial ethanol or ethyl alcohol is produced by yeast *Saccharomyces cerevisiae*.

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