**REVISION QUESTIONS: Themes 1-4**

1. The term “biology” was coined by:

1. Charles Robert Darwin
2. Jean - Baptiste Lamarck
3. Jan Amos Komenský

2. The *Živa* periodical, still published today, was founded by:

1. Jan Neruda
2. Karel Havlíček Borovský
3. Jan Evangelista Purkyně

3. Jan Evangelista Purkyně termed the cellular substance as:

1. prenesta
2. epidermis
3. protoplasm

4. The formulation of cellular theory is attributed to these biologists:

1. Schleiden, Schwann, Purkyně
2. Darwin, Mendel, Mareš
3. Lamarck, Darwin, Mendel

5. Catastrophism was used to explain evolution by:

1. George Cuvier
2. René Descartes
3. Plato

6. The creationist theory of the origin of life is based on the conviction that:

1. life is as old as the Earth and originated along with it.
2. life was brought to the Earth from another part of space.
3. the world and its components (including Nature) were created by God (Creator).

7. The origin of living systems from inanimate substance is advocated by:

1. the theory of self-creation
2. the theory of organic effects
3. the anaerobic theory

8. The theory of self-creation was held, for example, by :

1. Aristotle
2. Plato
3. Democritus

9. The origin of life from probiotic molecules was explained by:

1. J. G. Mendel
2. A. I. Oparin
3. CH. R. Darwin

10. Josef Velenovský developed his philosophy of Nature as:

1. Ornamentalism
2. Gradualism
3. mechanical materialism

CORRECT ANSWERS:**1B, 2C, 3C, 4A, 5A, 6C, 7A, 8A, 9B, 10A**

**REVISION QUESTIONS: Themes 5-8**

1. The philosophical aspect of the beauty of sea animals was described by:

1. Ch. R. Darwin
2. Adolf Portmann
3. Josef Velenovský

2. According to Portmann, the beauty of living organisms is most captivating at places:

1. with low selection pressure
2. with high selection pressure
3. with sufficient oxygen and solar energy

3. Monism is generally represented by:

1. Ernst Haeckel
2. I. A. Oparin
3. J. E. Purkyně

4. Among the most prominent philosophers-naturalists born in South Bohemia is ranked:

1. František Mareš
2. Karel Domin
3. Emanuel Rádl

5.František Mareš develops in his philosophical works the theory of:

1. Mechanism
2. vitalism
3. monism

6. Experiments on plant hybrids were conducted by:

1. Johann Gregor Mendel
2. Josef Velenovský
3. František Mareš

7. Johann Gregor Mendel is also known as eminent

a)meteorologist

b) geologist

c)paleontologist

8. One of Mendel’most significant contributions to genetics consists in the fact that he:

a)managed to formulate mathematical regularities in the transmisssion of particular dispositions

b)managed to explain the important conditions of evolution

c) managed to prepare experimental material for crossbreeding

9. In the case of the *Manusripts* authenticity T. G. Masaryk clashed for example with:

a) František Mareš

b) Josef Velenovský

c) Bohumil Němec

10. Portmann classifies young animals as:

1. independent and independent
2. small and big
3. Nesthockers and Nestflüchters

CORRECT ANSWERS: **1B, 2A, 3A, 4A, 5B, 6A, 7A, 8A, 9A, 10C**

**REVISION QUESTIONS: Themes 9-12**

1. The Czech philosopher who spend her life away from civilisation, in harmony with Nature, was

a) Jaroslava Pešková

b) Jiřina Popelová

c) Anna Pammrová

2. The prominent scientist who travelled round the world was

a) Ch. R. Darwin

b) J. E. Purkyně

c) J. G. Mendel

3. The theory of natural selection is based on the fact that

a) organisms produce adequate progeny and so all of them can mature to further

reproduction

b) organisms produce large progeny, all of which cannot survive, and only some can

mature to further reproduction

c) even the most delicate can survive

4. The same opinions as those formulated by Ch. R. Darwin were also held by:

a) H. Ch. Driesch

b) J. E. Purkyně

c) A. R. Wallace

5. The basic unit of evolution is:

a) organism

b) population

c) cellula

6. Apart from ecology, Anna Pammrová’s efforts were devoted to:

a)women’s emancipation

b) the relationship between mother and child

c) multiculturalism

7. The variations that are advantageous in the struggle for existence are:

a) inexplicable

b) not hereditory

c) hereditory

8. Ethical dimensions are introduced to contemporary ecological issues by

a) Erazim Kohák

b) J. E. Purkyně

c) František Mareš

9. Ecocentrism claims that:

a) man is a creature responsible to himself and to Nature in general

b) man is a creature responsible mainly to himself

c) man is a creature responsible mainly to Nature

10. The ideas of J. Rousseau and L. N. Tolstoy inspired:

a) František Mareš

b) Anna Pammrová

c) Josef Velenovský

CORRECT ANSWERS:1C, 2A, 3B, 4C, 5B, 6A, 7C, 8B, 9A, 10B

**REVISION QUESTIONS: Themes 1-12**

1.The experiments on plant hybrids were conducted by:

a)František Mareš

b) Jan Evangelista Purkyně

c)Johann Gregor Mendel

2. Adolf Portmann explored the philosophical aspects of

a)the beauty of sea animals

b)the beauty of terrestrial animals

c)the beauty of terrestrial plants

3.Johann Gregor Mendel became famous in his time as a:

a) meteorologist

b) evolutionist

c) vitalist

4.In the case of the Manuscripts authenticity Masaryk clashed also with:

a) Josef Velenovský

b) František Mareš

c) Emanuel Rádl

5. *Živa* periodical was founded by:

a)Jan Evangelista Purkyně

b) Jan Neruda

c) Josef Velenovský

6. The theory of catastrophism was used to explain evolutionary phenomena by:

a) Ch. R. Darwin

b) J. B. Lamarck

c)George Cuvier

7.Aristotle is a representative of the theory of:

a) creationism

b) self-creation

c) transferring life to the Earth from other areas in space

8.Ernst Haeckel is respected as a representative of:

a)vitalism

b)monism

c)pragmatism

9. Erazim Kohák introduces to ecological problems namely:

a)ethical aspects

b)economic aspects

c)astonisment

10. The same opinions as those formulated in Ch. R. Darwin’s researches were expressed by:

a)A. R. Wallace

b)J. G. Mendel

c)H. Ch. Driesch