

Heart



Scientific term of heart is:

(a) Cardiac (c) Pump

(b) Heart (d) Blood machine

Heart rate of new born baby is around:

(a) 100 beats/min

(c) 150 beats/min

(b) 80 beats/min

(d) 120 beats/min

Outer covering of heart is known as:

(a) Cardiac coat

(c) Pericardium

(b) Exordium

(d) Exocardium



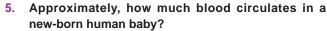
Amount of blood pumped by heart per minute is

(a) 8-10L

(c) 10-20L

(b) 5-30L

(d) 15-30L



(a) 625ml

(c) 250ml

(b) 500ml

(d) 375ml



(a) Life saver

(c) Beat maker

(b) Cardium

(d) Pace maker

Total number of chambers in a fish heart is:

(a) 2

(c) 4

(b) 3

(d) 5

Who invented the first electrocardiogram?

(a) Galen

(c) Erasistratus

(b) William Harvey

(d) Willem Einthoven



Atrium is a Latin word which means:

(a) Entrance hall

(c) Blood chamber

(b) Entry room

(d) Small room

10. Medical term for a hole in the heart is:

(a) Cardio defect

(c) Heart defect

(b) Septal defect

(d) Cardiac defect

11. Heart Day is celebrated every year on:

(a) 15 July

(c) 21 April

(b) 21 August

(d) 29 September

12. Time taken by blood to circulate through the entire human body is around:

(a) 20 seconds

(c) 1 minute

(b) 10 seconds

(d) 30 seconds

13. Weight of a human heart is approximately:

(a) 450-500 gm

(c) 100-150 gm

(b) 300-400 gm

(d) 250-350 gm

14. A French physician invented stethoscope. His name

(a) William Harvey

(c) Rene Laennec

(b) Andreas Vesalius

(d) Louis Washansky

15. Which part of the body doesn't receive any blood supply?

(a) Cornea

(c) Skin

(b) Nerve cells

(d) Bones

16. On an average by how much heart rate increases for every 1°C rise in body temperature?

(a) 1-2

(c) 3-5

(b) 5-7

(d) 8-10

17. Cardiac catheterization was invented by Werner Forssmann in which year?

(a) 1929

(c) 1930

(b) 1935

(d) 1940

18. The first successful heart transplant was carried out by Dr. Christiaan Barnard of South Africa on December 3,1967 on the patient named:

(a) Plato

(c) Louis Washansky

(b) Galen

(d) Andreas Vesalius

19. Which of the following is not a layer of heart wall?

(a) Endocardium

(c) Epicardium

(b) Myocardium

(d) Exocardium

20. After conception, heart begins beating at:

(a) 2 weeks

(c) 1 month

(b) 4 weeks

(d) 15 days

Answers						
1. (a)	2. (c)	3. (c)	4. (b)	5. (c)	6. (d)	7. (a)
8. (d)	9. (a)	10. (b)	11. (d)	12. (a)	13. (d)	14. (c)
15. (a)	16. (d)	17. (a)	18. (c)	19. (d)	20. (b)	



Nutrition in Plants



- 1. Minerals are absorbed in the form of:
 - (a) Molecules
- (b) lons
- (c) Compound
- (d) Mixture
- 2. In plant mineral nutrition, elements are classified as macro or micro elements depending upon their:
 - (a) Relative presence in plant ash
 - (b) Relative importance in plant growth
 - (c) Relative amount required in plants
 - (d) Relative availability in soil
- 3. Sulphur is absorbed by plant as:
 - (a) So₃ from soil
- (b) So₂ from soil
- (c) So₄ from soil
- (d) Both ((b) & ((c)
- 4. Plants require sulphur for:
 - (a) ATP synthesis
- (b) Protein synthesis
- (c) Glucose synthesis
- (d) DNA replication
- 5. Mineral nutrients absorbed by roots move to leaves through:
 - (a) Xylem

- (b) Phloem
- (c) Sieve tube
- (d) Companion cell
- Minerals are absorbed by a plant from the soil by a process:
 - (a) independent of water absorption
 - (b) dependent on water absorption
 - (c) dependent on strength of solutions
 - (d) dependent on osmosis
- 7. Which of the following elements plays an important role in biological nitrogen fixation?
 - (a) Copper
- (b) Molybdenum

(c) Zinc

- (d) Manganese
- 8. Which one of the following elements is almost nonessential for plants?
 - (a) Zn

(b) Na

(c) Ca

- (d) Mo
- 9. If by radiation all nitrogenase enzymes are inactivated, then there will be no:
 - (a) Fixation of nitrogen in legumes
 - (b) Fixation of atmospheric nitrogen
 - (c) Conversion from nitrate to nitrite in legumes
 - (d) Conversion from ammonium to nitrate in soil
- 10. The ability of the Venus flytrap to capture insects is due to:
 - (a) Specialized "muscle-like" cells
 - (b) Chemical stimulation by the prey
 - (c) Passive process requiring no special ability on the part of the plant
 - (d) Rapid turgor pressure changes

- 11. Sulphur is an important nutrient for optimum growth and productivity in:
 - (a) Oilseed crops
- (b) Pulse crops
- (c) Cereals
- (d) Fibre crops
- 12. Nitrogen fixation in roots nodules of Alnus is brought about by:
 - (a) Frankia
- (b) Azorhizobium
- (c) Bradyrhizobium
- (d) Clostridium
- 13. Manganese is required in:
 - (a) Plant cell wall formation
 - (b) Photolysis of water during photosynthesis
 - (c) Chlorophyll synthesis
 - (d) Nucleic acid synthesis
- 14. An insectivorous plant having glandular structures on its leaf secreting sticky fluid is:
 - (a) Sundew plant
- (b) Aldrovanda
- (c) Venus fly trap
- (d) All of these
- 15. Hydroponics is:
 - (a) Cultivation of plants in water
 - (b) Growth of plants towards water
 - (c) Growth of plants away from water
 - (d) Soil-less cultivation of plants
- 16. Insectivorous plants usually survive in:
 - (a) Soils rich in trace elements
 - (b) Soils deficient in sugars
 - (c) Water rich soils
 - (d) Soils deficient in nitrogenous compounds
- 17. Plant ash has maximum content of:
 - (a) Mg

(b) Fe

(c) K

- (d) B
- 18. Which pigment is essential for nitrogen fixation by leguminous plants?
 - (a) Phycoerythrin
- (b) Anthocyanin
- (c) Leghaemoglobin
- (d) Phycocyanin
- Answers

 1. (b)
 2. (c)
 3. (d)
 4. (b)
 5. (a)
 6. (a)
 7. (b)

 8. (b)
 9. (a)
 10. (d)
 11. (a)
 12. (a)
 13. (b)
 14. (a)

 15. (d)
 16. (d)
 17. (c)
 18. (c)



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