



Nafyad School Sample Question For Grade 9/Biology

I. Choose the best answer among the given alternatives

- _____1. Infectious disease are caused by:-
- A. poor diet B. genetic mutation C. microorganisms D. none
- _____2. Immunity passed from mother to faetus by way of placenta is
- A. natural active C. natural passive
B. artificial active D. artificial passive
- _____3. are chemicals that can be used to kill microorganisms on your skin,cuts etc.
- A. Disinfectant B. Antibiotics C. Antiseptics D.Vaccination
- _____4. Malaria is a mosquito borne disease caused by_____.
- A. Anopheles mosquito B. female mosquito C. plasmodium D. all
- _____5. Among the following one is not sexually transmitted disease (STDs)
- A. Gonorrhoea B. Syphilis C. Cholera D. Chancroid
- _____6. HIV Affects the _____of the immune system.
- A. Red blood cells B. platelets C. white blood cells D. none
- _____7. Which of the following is not an a biotic component of an ecosystem
- A. sunlight B. rain fall C. food D. temperature
- _____8. are organisms that can get energy from the break down of sulphur containing chemicals. A.Phototrophs B. Herbivores C. Chemotrophs D.Omnivores
- _____9. One of the following is not heat method used to control microorgarsism
- A. Autoclaving B. pasteurization C. Antibiotics D. Dry heat
- _____10. One of the following disable the pathogens which are then engulfed and digested by phagocytes A.Antigen B. pathogens C. antibody D. all
- _____11. The modern classification developed by
- A. Mendel B. Aristotle C. Carl linnaeous D. Alexander Fleming

- _____12. Which of the following is not true about scientific name *Canis Familiaris*
- A. *Canis* is the name of class C. *Canis* is the name of genus
B. *Familiaris* is the name of species D. The name stands for dog
- _____13. Which of the following is the smallest unit of classification
- A. Species B. order C. genus D. kingdom
- _____14. What is the scientific name of human being? A. *Muscadomestica*
- B. *Homosapiens* C. *Canis familiaris* D. *Canissimenais*
- _____15. Which of the following show the correct sequence of taxa in classification>
- A. Phylum → class → order → genus → family → species
B. Phylum → class → order → family → genus → species
C. Phylum → order → class → family → genus → species
D. Phylum → class → family → order → genus → species
- _____16. Which one of the following is not true about kingdom monera?
- A. prokaryotic B. eukaryotic C. unicellular D. A & C
- _____17. Which of the following is not true about insects?
- A. have two or one pair of wings C. have 3-body parts
B. have 2 – pairs of antennae D. three pairs of legs
- _____18. Vertebrates have the following features except
- A. Endoskeleton C. Have two pairs of limbs
B. Exoskeleton D. Have kidney as excretory organs
- _____19. An association between fungi & roots of higher plants is referred to as ____
- A. Lichen B. mycorrhizae C. commensalism D. parasitism
- _____20. Which one of the following is unicellular fungi?
- A. yeast B. *mucor* C. *penicillium* D. *Rhizopus*

_____21. One is false about the plants?

- A. Hetrotrophic B. Autotrophic C. Multicellular D. Eukaryotic

_____22. Group of animals that maintain constant body temperature are?

- A. Mammals B. Amphibians C. Reptiles D. Fishes

_____23. Which of the following is not true about characteristics of chordate?

- A. exoskeleton B. Notochord C. Hollow nerve chord D. gill slits

_____24. Among the following one is not true about kingdom porifera?

- A. spiny skinned animals C. evolutionary dead-end
B. spongy animals D. none

_____25. The invertebrate phyla with a closed circulatory system is

- A. Annelida B. Nematoda C. Coelenterate D. Platyhelmenthes

_____26. _____ is dead or weekend strains of bacteria are put in to your body

- A. vaccination B. antibiotic C. disinfectant D. none

_____27. In gram staining if other chemicals are added to the simple crystal violet

and it shows purple colour, then the bacteria are said to be ?

- A. Gran positive B. Gran negative C. impossible to identify D. none

_____28. The complicated food relation ships between animals & plants is ?

- A. food web B. food chain C. biomass D. photographs

_____29. A cell with large number of mitochondria is expected to

- A. produce more fat C. store more carbohydrate
B. make a lot of ATP D. make photosynthesis

_____30. _____ is the molecule that supplies energy to all of the reaction in the cell.

- A. ATP B. ADP C. Bio gas D. Carbon dioxide

_____31. If a muscle work hard for a long time they become fatigued and do not

contract properly. If they do not get enough oxygen they will respire

- A. aerobically B. anaerobically C. in the presence of enough oxygen
D. except "B" all are correct

_____32. Which type of vessels have a pulse?

- A. arteries B. veins C. capillaries D. lymph vessels

_____33. Which chamber of the heart has the thickest walls?

- A. right ventricles C. right atrium
B. left ventricles D. left atrium

_____34. In areas of high oxygen concentration like lungs and arteries we find

hemoglobin in the form of

- A. haemoglobin + O² C. haemoglobin + CO²
B. haemoglobin alone D. oxyhaemoglobin

_____35. Which of the following mainly used to clot the blood?

- A. Red blood cells C. platelets
B. White blood cells D. plasma

_____36. Among the following valves one prevents the back flow of blood from left ventricles to left atrium.

- A. Semilunar valve C. aorta
B. tricuspid valve D. bicuspid valve

_____37. Which of the following would you use to clean up the floor?

- A. antidiuretics B. antiseptics C. disinfectant D. antibiotics

_____38. One major difference between viruses and bacteria is :-

- A. virus have no nucleus where as bacteria do
B. viruses are living organisms and bacteria are not
C. viruses have membranes where as bacteria do not
D. viruses can only reproduce in living cells where as bacteria split in two

_____39. Which scientists finally proved the germ theory of disease?

- A. Robert Koch C. Louis Pasteur

B. Anton van Leewehoe

D. Edward Jenner

_____40. _____ is the use of dead or weakened strains of pathogens to produce immunity to dangerous diseases.

A. Vaccination

B. immunization

C. white blood cells

D. A&B

_____41. _____ are Parasites with at least two hosts, which can include human beings. A. Malaria B. Tuberculosis C. Diarrhoea D. Tapeworms

II. Match items in the column "B" to column "A"

A

_____1. Blood group 'A'

_____2. Blood group 'B'

_____3. Blood group 'AB'

_____4. Blood group 'O'

_____5. Transfusion of blood group 'B'

to blood group 'O'

B

A. has no antibody

B. has antibody 'a' and antigen 'B'

C. has antigen 'A' and antibody 'b'

D. has no antigen and antibody

E. compatibility

F. agglutination

G. universal Donor

III. Fill in the blank spaces

1. _____ is the blood vessels that carry blood from lungs to heart.

2 Bacteria that are easily decolourised and stain red are called _____

IV. Match items in the column "B" to column "A"

A

_____1. Bryophyta

_____2. Pteridophyta

_____3. Gymnosperms

B

A. joint footed animals

B. round worms

C. spinny skinned animals

_____4. Angiosperms

_____5. Coelenterata

_____6. Platyheminthes

_____7. Mollusca

_____8. Echinodermata

_____9. Nematoda

_____10. Arthropoda

D. soft bodied animals

E. flat worms

F. simples land plants

G. ferns

H. naked seed plants

I. flowering plants

J. cidaria

K. sponges