

SCIENCE

PEAK EXAMS

NBI-012

STD. 5 -2013

TIME: 1 HR 40MINS

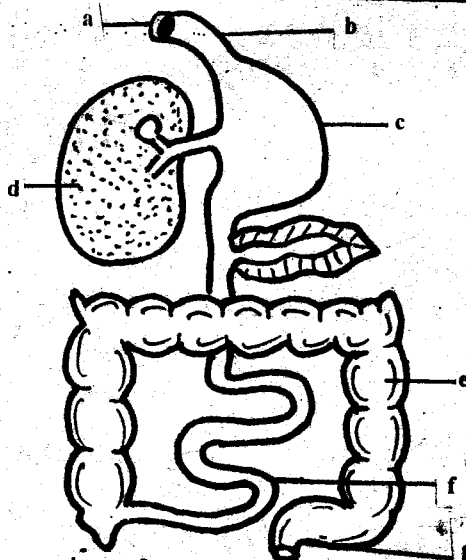


HOW TO USE THE ANSWER SHEET

1. Use only an ordinary pencil.
2. Make sure that you have written on the answer sheet
(i) YOUR NAME (ii) NAME OF THE SCHOOL
3. For each question show the correct answer by drawing a line in the brackets in which the letter you have chosen is written.

1. The sheet of muscles on the lower side of the chest is known as the _____
A. bronchus B. diaphragm
C. trachea D. bronchi
2. Problems related to teeth **cannot** be prevented by _____
A. eating cakes
B. eating fruits and vegetables
C. brushing teeth after every meal
D. visiting a dentist regularly
3. Which one of the following is a natural source of light?
A. Gas lamp B. Candle
C. Glow worms D. Electricity

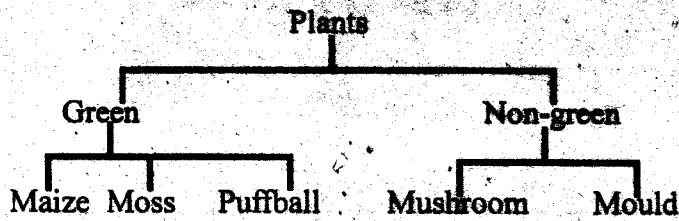
Use the diagram below to answer questions 4-5



4. Absorption of water and mineral salts takes place in the part marked _____
A. e B. g
C. d D. f
5. The part marked 'b' is known as the _____
A. windpipe B. trachea
C. rectum D. oesophagus

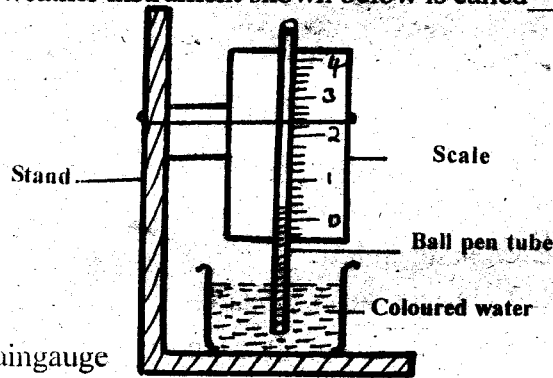
6. Which among these animals is an amphibian?
A. Snake
B. Salamander
C. Fish
D. Turtle
7. Which one of the following best defines radiation?
A. The transfer of heat in solids
B. The transfer of heat in liquids
C. The transfer of heat without a medium
D. The transfer of heat in liquids and gases
8. Which one of the following food combinations will help to control marasmus?
A. Rice, fish, spinach
B. Milk, beef, beans
C. Cabbages, kales, oranges
D. Rice, sphaghetti, green maize
9. A child lacking enough vitamin D in his body is likely to suffer from _____
A. rickets
B. marasmus
C. anaemia
D. kwashiorkor
10. Which one of the following foods helps to build and repair the body tissues?
A. Lemon B. Beans
C. Millet D. Coconut
11. Which of the following is a way through which one can get HIV virus?
A. Sharing bedding materials
B. Mosquito bites
C. Blood transfusion
D. Coughing

12. Which one of the following plants is wrongly classified?



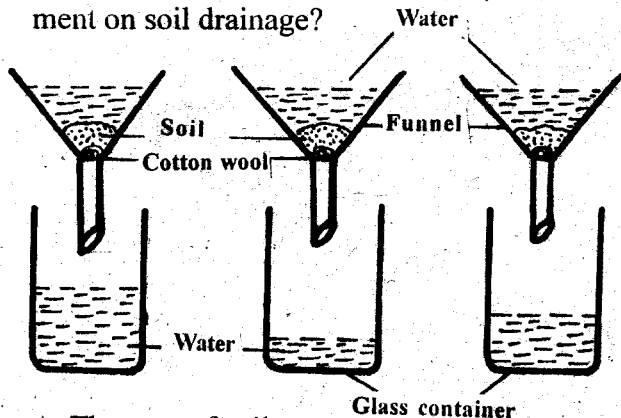
- A. Mushroom B. Maize
C. Mould D. Puffball
13. The main importance of fibre in a diet is _____
A. to quicken digestion
B. to prevent constipation
C. to absorb digested food
D. to absorb water and mineral salts

14. The weather instrument shown below is called _____



- A. rain gauge
B. an air thermometer
C. an anemometer
D. a liquid thermometer

15. Which one of the following should **not** be the same when carrying out the following experiment on soil drainage?



- A. The type of soil
B. The amount of cotton wool used
C. The size of the funnels used
D. The amount of water used

16. The type of soil that has the poorest drainage is also the _____

- A. best for farming
B. best for building houses
C. best for modelling
D. poorest in capillarity

17. The crop drawn below stores food in the _____

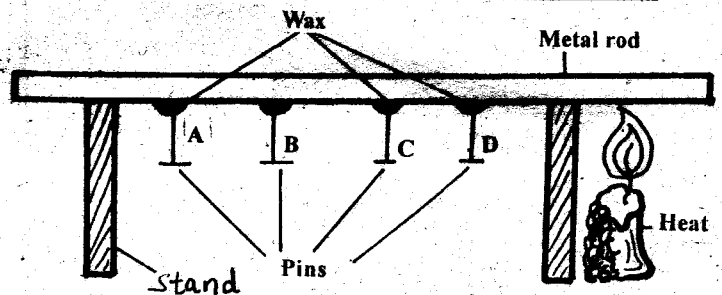


- A. leaves B. stem
C. flower D. root

18. Which one of the following plants does **not** have a fibrous root system?

- A. Wheat B. Carrots
C. Sorghum D. Maize

Use the diagram below to answer questions 19-20

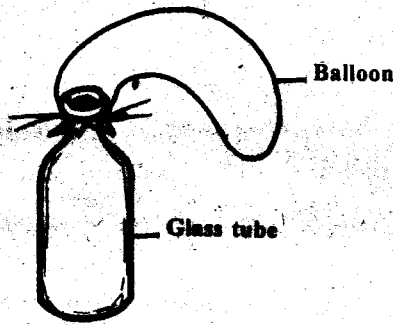


19. Which pin fell last?
A. D B. A
C. B D. C
20. The movement of heat shown on the diagram is called _____
A. refraction
B. conduction
C. convection
D. radiation

21. Which of the following is **not** a way of storing water?
A. Taps B. Buckets
C. Dams D. Tanks

22. Which one of the following tools is used to sharpen a saw?
 A. A circular file B. A sharpening stone
 C. A flat file D. A triangular file

23. Which one of the following observations is likely to be made when the glass bottle shown below is immersed in warm water?



- A. The glass will contract
 B. The air in the bottle will expand
 C. The air in the bottle will contract
 D. The glass bottle will break
24. The instrument that measures the strength and direction of wind is known as _____
 A. windvane B. windsock
 C. anemometer D. raingauge
25. Which characteristic is **not common** to both animals and plants?
 A. They both grow B. They both move
 C. They both feed D. They both die
26. In which of the following parts of the breathing system is air cleaned and warmed?
 A. Nose B. Lungs
 C. Trachea D. Diaphragm
27. Which clouds are found high in the sky and look like feathers?
 A. Nimbus B. Stratus
 C. Cumulus D. Cirrus
28. The **main** function of leaves in green plants is to _____
 A. loose water B. breath
 C. make food D. store food

29. During breathing in the diaphragm moves _____
 A. downwards B. up and down
 C. sideways D. upwards

30. The size of soil particles determine three of the following except _____
 A. texture B. capillarity
 C. drainage D. colour

31. Which one of the following is **not** a way of using medicine properly?
 A. Checking the expiry date
 B. Putting medicine in soda bottles
 C. Taking the right dose
 D. Keeping medicine away from children

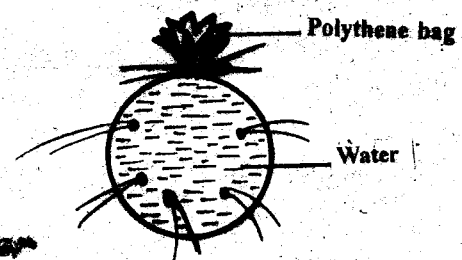
32. A farmer has a very large farm. Which method of weed control is the **best** to use?
 A. Burning B. Uprooting
 C. Spraying chemicals D. Slashing

33. Which of the following stages of HIV infections is the second stage?
 A. Incubation B. Full blown
 C. Symptomatic D. Window

34. Which one of these animals is a flying mammal?
 A. Hawk B. Weaver bird
 C. Parrot D. Bat

35. The following are products of sheep **except** _____
 A. skin B. mohair
 C. wool D. mutton

36. The diagram below shows that pressure in liquids _____



- A. is exerted in one direction
 B. increases with depth
 C. is exerted uniformly in all directions
 D. doe not depend on depth

37. People working in factories that produce loud sounds should wear _____
- spectacles
 - ear phones
 - earbuds
 - ear muffs
38. The following are general ways of maintaining simple tools **except**:-
- proper storage
 - using the tools properly
 - sharpening the tools regularly
 - cleaning the tools after use
39. In which of the following activities is heat **not** needed?
- | | |
|------------|-----------------------|
| A. Warming | B. Drying |
| C. Ironing | D. Taking photographs |
40. Animals that have a backbone are called _____
- reptiles
 - vertebrates
 - mammals
 - invertebrates
41. Which one of the following soil components **mainly** helps to improve its fertility?
- Water
 - Air
 - Organic matter
 - Living organisms
42. The **main** products derived from a goat are:-
- dairy and mutton
 - mutton and wool
 - skin and mohair
 - wool and dairy
43. Which of these materials is a poor conductor of heat?
- Wooden stick
 - Spoon
 - Nail
 - Copper wire
44. Small green plants that grow on stagnant water are called _____
- | | |
|----------|----------|
| A. mould | B. algae |
| C. moss | D. fern |
45. The first set of teeth to grow in a human being are _____ in number
- | | |
|-------|-------|
| A. 32 | B. 28 |
| C. 20 | D. 12 |
46. Animals that feed their young ones with milk are referred to as _____
- | | |
|-------------|---------------|
| A. fish | B. amphibians |
| C. reptiles | D. mammals |
47. A pupil saw an animal with the following characteristics:
- varying body temperature
 - has scales
 - lays eggs
- The animal was **not** likely to be a _____
- | | |
|---------|-------------|
| A. toad | B. tortoise |
| C. fish | D. snake |
48. The following are food crops:
- Sweet potatoes
 - French beans
 - Kales
 - Oranges
 - Cassava
- Which of the above are tuber crops?
- | | |
|----------|------------|
| A. ii, v | B. iii, iv |
| C. i, v | D. ii, iii |
49. The process through which plants lose water to the atmosphere is known as _____
- respiration
 - photosynthesis
 - transpiration
 - photosynthesis
50. The roughness or smoothness of soil particles is referred to as _____
- | | |
|----------------|-------------|
| A. texture | B. drainage |
| C. capillarity | D. profile |