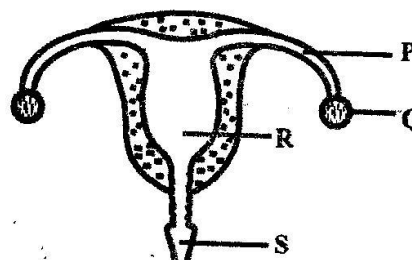


Class 8 mid-term 1 August 2021 Science

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|---|--------------------|--------------------|----------|---------|------------|--------------|---------------|-----------|--------------|--------------|---|
| <p>1. Which of the following mixtures cannot be separated using a magnet?
 A. Iron filings and office pins
 B. Staple pins and sand
 C. Iron filings and flour
 D. Iron filings and copper pieces</p> <p>2. Which one of the following characteristics can be used to identify the human teeth used in chewing and grinding? Presence of
 A. one root and chisel shape.
 B. cusps and ridges
 C. one root and cusps
 D. ridges and chisel shape.</p> <p>3. Which one of the following physical changes occurs in both adolescent boys and girls?
 A. Growth of pubic hair
 B. Hips broaden.
 C. Voice breaks.
 D. Enlargement of breasts</p> <p>4. Which of the following happens during the process of exhalation? The
 A. diaphragm becomes dome shaped
 B. volume of the chest increases
 C. diaphragm becomes flattened
 D. lungs expand</p> <p>5. Which one of the following pairs of diseases is correctly matched with the time of immunization?</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>Six weeks</u></td> <td style="text-align: center;"><u>Nine months</u></td> </tr> <tr> <td>A. Polio</td> <td>tetanus</td> </tr> <tr> <td>B. Measles</td> <td>tuberculosis</td> </tr> <tr> <td>C. Diphtheria</td> <td>pertussis</td> </tr> <tr> <td>D. Pertussis</td> <td>yellow fever</td> </tr> </table> <p>6. The ability of the soil to allow water to drain through it is mainly determined by the
 A. volume of the soil.
 B. size of the soil particles.
 C. humus content in the soil.
 D. air content in the soil.</p> <p>7. Which one of the following is not a health effect of drug abuse?
 A. Addiction B. Truancy
 C. Withdrawal D. Fits</p> | <u>Six weeks</u> | <u>Nine months</u> | A. Polio | tetanus | B. Measles | tuberculosis | C. Diphtheria | pertussis | D. Pertussis | yellow fever | <p>8. It is true to say that all chameleons and turtles
 A. are cold blooded invertebrates
 B. lay fertilized eggs in water
 C. have scales on their bodies
 D. lay unfertilized eggs in sand</p> <p>9. The main reason why every diet should consist of fibre in the human diet is to ease
 A. digestion of food
 B. absorption of nutrients
 C. absorption of water
 D. movement of food</p> <p>10. Which one of the following components of blood requires a lot of iron for its formation?
 A. Red blood cells
 B. White blood cells.
 C. Platelets
 D. Plasma</p> <p>11. Which one of the following fertilizers is suitable in supplying plants with more than one nutrient?
 A. Mono Ammonium Phosphate
 B. Triple super Phosphate
 C. Sulphate of Ammonia
 D. Muriate of Potash</p> <p>12. The following are safety measures and precautions when handling current electricity. Which one is not?
 A. Do not touch switches with wet hands.
 B. Fit lightning arresters on tall buildings.
 C. Do not overload sockets.
 D. Do not insert sticks, wires and other materials in sockets</p> <p>13. The following are methods of maintaining simple tools:
 (i) <i>Cleaning after use</i>
 (ii) <i>Proper storage</i>
 (iii) <i>Sharpening cutting edges</i>
 (iv) <i>Proper use of tools.</i>
 Which pair consists only of methods for safety from injuries?
 A. (ii) and (iv) B. (i) and (iv)
 C. (ii) and (iii) D. (i) and (iii)</p> |
| <u>Six weeks</u> | <u>Nine months</u> | | | | | | | | | | |
| A. Polio | tetanus | | | | | | | | | | |
| B. Measles | tuberculosis | | | | | | | | | | |
| C. Diphtheria | pertussis | | | | | | | | | | |
| D. Pertussis | yellow fever | | | | | | | | | | |

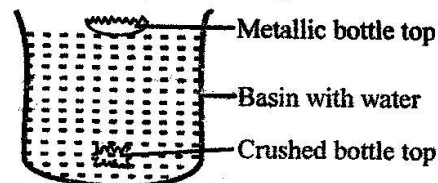
14. Which of the following organs in the human body both produce sex cells?
 A. Testis and penis
 B. Ovary and uterus
 C. Ovary and testis
 D. Penis and vagina
15. When a force equal to the force of a moving object is applied in the opposite direction, the moving object will
 A. continue moving
 B. move backwards
 C. stop
 D. decrease the speed
16. Which one of the following consists of foods that are mainly for body building?
 A. Beef, cassava, potatoes.
 B. Mutton, maize, pawpaw.
 C. Peas, beans, eggs.
 D. Carrots, bananas, tomatoes.
17. Which property of light leads to the formation of a shadow?
 A. Splitting of light
 B. Light travels in a straight line
 C. Reflection of light
 D. Refraction of light
18. Which of the following plants make plant nitrates from nitrogen in the air?
 A. Maize and potatoes
 B. Cabbages and millet
 C. Groundnuts and peas
 D. Tomatoes and beans
19. Which one of the following is a storage pest?
 A. Aphid
 B. White ant
 C. Cutworm
 D. Weaverbird
20. Which one of the following is advisable when spraying chemicals in the farm?
 A. Spraying when the temperatures are high
 B. Wearing a gas mask when spraying
 C. Spraying against the direction of wind
 D. Wash hands before spraying
21. The method of grazing that would require the largest piece of land to practice is
 A. herding
 B. stall feeding
 C. tethering
 D. paddocking

22. The diagram below shows a female reproductive system



Which statement is correct about the labelled parts?

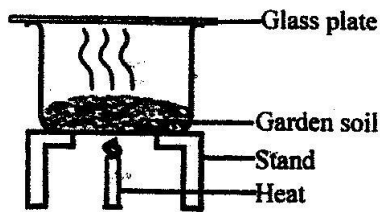
- A. P - allows the baby to grow
 B. Q - allows the fusion of male and female sex cell
 C. S - receives the male sex cells
 D. R - produces the female sex cells
23. Which one of the following is the last step when setting up an experiment to demonstrate conduction of heat in solids?
 A. Fixing the pins onto the candle wax
 B. Heating one end of the metal strip
 C. Fixing the metal strip on to support
 D. Fixing candle wax onto the metal
24. The diagram below shows an experiment done to demonstrate a certain factor that affects floating and sinking.



The factor that was being demonstrated is

- A. size
 B. material
 C. weight
 D. shape
25. A rain gauge is dug about 15 cm into the ground mainly to
 A. make it firm
 B. reduce evaporation of the collected water
 C. prevent water from splashing into the funnel
 D. make it withstand harsh outdoor conditions
26. Which one of the following is a green non flowering plant?
 A. Mushroom
 B. Puffball
 C. Algae
 D. Sorghum

27. The diagram below shows an experiment done to investigate a certain component of soil.



The component being investigated is
 A. minerals B. air
 C. humus D. water

28. In which stages of HIV infection does a person show no signs but any medical test reveals the presence of the virus in the blood?

A. Incubation B. Full blown
 C. Symptomatic D. Window

29. Which statement about sound energy is true?

A. The extent of loudness or softness of a sound is called pitch
 B. The shape of the ears of most animals help to amplify sound
 C. Noise makes people alert
 D. A choir singing loudly will cause noise pollution

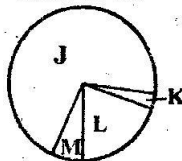
30. Which plants depend on animals directly for food?

A. Sundew and pitcher plant
 B. Maize and beans
 C. Sundew and maize
 D. Beans and pitcher plant

31. Which of the following is **not** a way in which different animals protect themselves from danger?

A. Flying off B. Biting
 C. Hiding in shells D. Sucking blood

32. The pie chart below represents the composition of air.

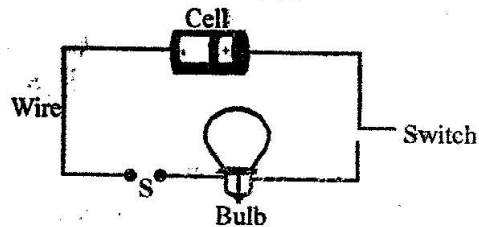


The gas which is used to put out accidental fires is named

A. L B. K
 C. M D. J

33. When modelling the solar system,
 A. the balls to represent the planets should be of the same size
 B. two balls can be placed on one side
 C. the name tags of the planets and the sun are fixed last
 D. the model of the sun is fixed on the last circle

34. The diagram below represents a set up that can be used to investigate good and poor conductors of electricity.



Which one of the following materials when used to connect wires at point S would make the bulb light?

A. Pencil lead B. Thread
 C. Cellotape D. Rubber band

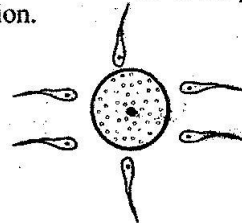
35. Which one of the following blood vessels carries blood to the right side of the heart?

A. Pulmonary vein B. Aorta
 C. Vena cava D. Pulmonary artery

36. Which one of the following shows the correct path taken by urine?

A. Urethra → bladder → ureter
 B. Urethra → urethra → bladder
 C. Urethra → ureter → bladder
 D. Ureter → bladder → urethra

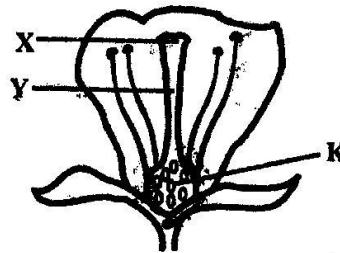
37. The diagram below shows the process of fertilization.



Which one of the following statements is true?

A. All the sperms penetrate the ovum
 B. The fertilized ovum becomes the embryo.
 C. Only one sperm enters the ovum and fertilizes it.
 D. The head and the tail of the sperm. penetrate and fuse with the ovum.

38. Which one of the following is the function of the amniotic fluid during pregnancy?
- Facilitates exchange of waste materials from foetus to the mother.
 - Facilitates exchange of oxygen and carbon dioxide between the mother and the foetus.
 - Protects the foetus from shock and accidents.
 - Facilitates the transfer of food from the mother to the foetus.
39. Which one of the following sexually transmitted infections causes yellow pus oozing out of the sexual organs and swelling of knees?
- Chancroid.
 - Syphilis.
 - Gonorrhoea.
 - Genital herpes
40. Which one of the following levers when in use has the position of the load between the fulcrum and the effort?
- Wheelbarrow.
 - Spade.
 - Clawhammer.
 - Crowbar.
41. Internal livestock parasites cause the following on animals **except**
- poor health.
 - anaemia.
 - irritation.
 - swollen stomach
42. The attachment of the foetus to the uterine walls is called
- gestation.
 - conception.
 - fertilization.
 - implantation
43. The excretory system consists of all the following **except**
- lungs.
 - skin.
 - kidneys.
 - anus.
44. Std.6 pupils carried the following materials to class:
- Basin - Water - Mirror
What were they likely to investigate?
- Refraction of light.
 - Reflection of light.
 - Bending of light.
 - Formation of a rainbow.
45. Which one of the following is **not** a natural way of lighting a house? Using
- skylights.
 - glass windows.
 - gas lamps.
 - transparent roofs
46. Supplying water through rationing is a method of conserving water through
- using it sparingly.
 - recycling.
 - re-using.
 - harvesting.
47. The surrounding of a living thing is its
- habitat.
 - shade.
 - shelter.
 - environment
48. Which one of the following statements **best** describes fertilization in plants? When pollen grains
- fall on the stigma and germinate.
 - fall on the stigma.
 - fuse with the ovules.
 - are transferred from the anther.
49. A child with pale fingernails and feels tired easily is also **likely** to have
- swollen abdomen.
 - wrinkled face.
 - shortness of breath.
 - brownish hair.
50. The diagram below shows a flower



- The parts, labelled X, Y and K respectively are
- stigma, style, ovule,
 - style, anthers, filament
 - filament, ovary, ovules
 - stigma, ovary, style