Science Form 2 Objective Questions

1. Figure shows the different areas of the tongue that respond to different tastes.



Which of the following substances will stimulate the sense of taste in area L of the tounge?

А	Honey	C Bitter gourd
В	Vinegar	D Salted fish

- 2. Which of the following is a sensory organ?
 - A Brain C Stomach
 - B Skin D Lung
- 3. The following sensory organs in the human body are matched with their own senses. Which pair is matched correctly?

	Sense	Sensory organ
А	Sight	Nose
В	Touch	Tounge
С	Hearing	Ears
D	Taste	Skin

- 4. Which of the following are the basic elements in carbohydrate?
 - A Carbon, hydrogen, oxygen, nitrogen
 - B Carbon, hydrogen, oxygen, nitrogen, sulphur, and phosphorus
 - C Carbon, hydrogen, oxygen
 - D Carbon, hydrogen and nitrogen
- 5. Goitre is a condition that is caused due to the lack of
 - A iodine B iron
 - C calcium D sodium
- 6. Diagram shows a child who is suffering from a disease.



Which of the following is the disease caused by the lack of proteins in the diet as shown in Diagram.

А	Scurvy	C Kwashiokor
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D Goitre

7. Which of the following classes of food enables undigested food to move through the large intestine easily.

A Roughage	Ċ Vitamin
B Fat	D Mineral

8. Which of the following is not a vertebrate?

A Fish	C Beetles
B Snakes	D Frogs

- 9. Which of the following refers to a place where an organism lives? A Species C Diversity B Ecosystem D Habitat
- 10. Organism that break down dead organisms into minerals in the soil are

A producers	C decomposers
B consumers	D predators

11. Which of the following is a study on the interaction among organisms and the environment?

A	Habitat	C Biodiversity
В	Ecosystem	D Ecology

12. Which of the following is the advantage of using biological control in controlling pests?

A Costly

- B Causes ecological imbalance
- C Kills other organisms as well
- D Does not pollute the environment
- 13. Which of the following pH readings are correct for acidic, neutral and alkaline solutions respectively?

	Acidic	Neutral	Alkaline
Α	Less than 7	Equal to 14	More than 7
В	Less than 7	Equal to 7	More than 7
С	More than 7	Equal to 14	Less than 7
D	More than 7	Equal to 7	Less than 7

- 14. Water can be split into its elements by a chemical process known as A distillation of water B electrolysis of water C evaporation of water
 - D displacement of water
- 15. Evaporation is different from boiling because evaporation
 - A takes place throughout the liquid
 - B is a fast process
 - C takes place at the boiling point of the liquid
 - D is affected by external factors whereas boiling is not
- 16. Which of the following types of water has the boiling point of more than 100° C?
 - A Tap water C Sea water
 - B Distilled water D Mineral water
- 17. Which of the following is one of the properties of an alkali?
 - A Corrosive
 - B Has a sour taste
 - C Turns blue litmus paper to red
 - D Reacts with most metals
- 18. Which of the following instruments is used to measure air pressure?
 - A Thermometer C Ammeter
 - B Aneroid barometer D Speed meter
- 19. Which of the following is used by a doctor to give an injection to a patient? A A siphon C A syringe
 - B A plunger D A spray pump
- 20. Which of the following is not an effect of force?
 - A Change the shape of an object
 - B Change the speed of an object
 - C Change the direction of motion of an object
 - D Change the mass of an object

21. Diagram shows two hands pulling a rubber band.



Which of the following effects of force is shown in diagram?

- A Changes the shape of the rubber band
- B Changes the size of the rubber band
- C Changes the speed of the rubber band
- D Changes the direction of the rubber band
- 22. Which of the following animals have hydrostatic skeleton?

A Prawns	B Leeches
C Clamps	D Snakes

- 23. Which of the following affects the stability of an object?
 - A Base area of an object

B Size of an object C Number of legs the object has

- C Number of legs the object has
- D Weight of the object as its centre
- 24. The following are a few simple machines. Which one of them belongs to the second class lever?A Fishing rod
 - B Scissors C Ice tongs
 - D Wheel barrow
- 25. Which of the following is the unit for the moment of a force? A Watt (W)B Kilogram (K)C Newton (N)D Newton-metre (Nm)
- 26. When a little Benedict solution is added to a simple of food and heated, a reddish precipitate is obtained. What is the class of food present in the sample of food?

A Fats B Proteins C Vitamins D Carbohydrates

27. Reptiles have the following are some characteristics of monocotyledonous and dicotyledonous plants. Which one is not matched correctly?

	Monocotyledon	Dicotyl
А	Corn	Durian
В	Parallel veined	Network veined leaves
С	Tap root	Fibrous root
D	Seeds have one cotyledons	Seed have two cotyledons

- 28. A green leaf is boiled in water before it is tested for starch in the leaf. What is the purpose of boiling the leaf?
 - A To make the leaf inactive
 - B To break the cell wall
 - C To stop the it from growing
 - D To remove the chlorophyll
- 29. Which of the following is not an importance of photosynthesis?I It enables green plants to make foodII It adds carbon dioxide to the atmosphereIII It adds oxygen to the atmosphereA I and III onlyB II and III onlyC II only
 - D I and II only
- 30. Which of the following effects the rate of dissolving of a solute? I Volume of solvent
 II Size of solute
 III Temperature of solvent
 A I and III only
 B II and III only
 C I and II only
 - D I, II and III
- 31. When a closed container is heated the air pressure in the container increase. This is because
 - A the number of air particles increases
 - B the temperature of the air particles increase
 - C the air particles move faster

D the air particles expand

32. Figure shows a glass of water turned upside down on a cupboard.



When the cupboard is released it does not fall down. Why does this happen? A The cardboard is very light

B The air pressure acting on the cardboard supports the weight of the water

C The weight of the water is higher than the air pressure

D The pressure of the water makes the cardboard stick to the glass.

33. What is the relationship between the force acting on a spring and its extension? The extension of a spring is

A equal to the force acting on it

B two times more than the force acting on it

- C directly proportional to the force acting on it
- D inversely proportional to the force acting on it
- 34. Which of the following does not help to reduce friction?
 - A Lubrication with water
 - B Lubrication with oil
 - C Using ball bearings
 - D Using rollers
- 35. Which of the factors stated below affects frictional force?
 - A Weight of the object
 - B Area of the surfaces in contact
 - C The type of force exerted, whether a push or pull
 - D The direction of the force
- 36. Which of the following statements is true about the function of the skeleton of vertebrates.

I It maintains the shape of the vertebrate

II It forms a base for attachment of muscles

III It protects the body against infections

A I and III only

B II and III only

- 37. Passengers in a boat are told to sit down when it is moving. This is to increase the stability of the boat by
 - A lowering its centre of gravity
 - B increasing the base area of the boat
 - C increasing the weight of the boat
 - D decreasing the height of the boat
- 38. A person who is climbing a hill usually bends his body forward. Why does he do this?
 - A To climb the hill without feeling tired
 - B To climb the hill faster
 - C To lower his centre of gravity
 - D To increase his base area
- 39. Figure shows a lever.



Where should the effort be applied to be able to lift the load with least effort?

40. Figure shows a simple machine.



What is the distance of the effort from the load? A 100 cm B 80 cm C 60 cm D 50 cm

- 41. One of the reasons for the diminishing numbers of turtles is because they are trapped in fishing nets and die. Why do they die?
 - A They cannot swim
 - B They cannot breathe
 - C They have no food
 - D They have lost their families.
- 42. Light energy is needed for the process of photosynthesis. What is the light energy used for?
 - A To keep the plant warm for optimum enzyme activity
 - B To break up water molecules into hydrogen and oxygen
 - C To keep the plant alive as darkness will make the plants wither
 - D To break up carbon dioxide molecules to release oxygen
- 43. The soles of our shoes get worn out after some time. This is because A our feet are growingB our shoes are not the correct size
 - C there is friction between the shoes and the walking surface
 - D the shoes and our feet are rubbing all the time
- 44. A stalled car weighing 500 kg pushed to a nearby workshop 600 m away in 20 minutes. What power was needed to accomplish this task?
 (1kg = 10N)
 A 1,500 w
 B 2,000 w
 C 2,500 w
 - D 3,000 w
 - D 5,000 W
- 45. Which of the following statements is true about of the skeleton of vertebrates.I It maintains the shape of the vertebrateII It forms a base for attachment of musclesIII It protects the body against infection
 - A I and III onlyB I and II onlyB II and III onlyD I, II and III

- 46. A lorry going up a steep slope will topple if
 - A it is carry too much load
 - B it is not having any load
 - C a vertical line through its centre of gravity falls outside its base area
 - D a vertical line through the centre of the base area does not go through the centre of gravity
- 47. Which of the following adds stability to the animal concerned? I a turtle has legs at the side of the bodyII an elephant has short, broad legsIII a giraffe spreads its legs to drink waterA I onlyB I and II only
 - C I and III only
 - D I, II and III
- 48. Figure shows a balanced see-saw when Oscar and Chanel sit on it.



Based on diagram, if Chanel moves 1m closer to the fulcrum, how far from the fulcrum should Oscar sit to balance the see-saw?

A 2.4m	B 3.0m
C 3.4m	D 4.0m

49. Diagram shows a lever system



A box placed 25cm from P is balanced by a spring balance. Which of the following is the weight of the box in diagram if the spring balance shows 50N? A 10 N $\,$

B 20 N C 100 N D 200 N

50. Diagram shows a rod QR which is fixed at Q.



Which of the following is the force, P, which is required to balanced the rod? A 50 N B 75 N C 100 N

D 125 N

Answer Science Form 2 Objective Questions

1.D	27. C
2. B	27. C
3 C	20. D
4. C	30. D
5. A	31. C
6. C	32. B
7. A	33. C
8.C	34. A
9. D	35. A
10. C	36.C
11. D	37. A
12. D	38.C
13. B	39.A
14. B	40.B
15. D	41. B
16. C	42. B
17. A	43. C
18. B	44.C
19. C	45.C
20. D	
21. A	46. C
22. C	47. D
23. A	48. A
24. D	49. D
25. D	50.B
26. D	