



Science Bee 2018

Level 3



A Catalyst For Better Education In India
Science Bee Contest 2018
Level 3

Name of the student: _____

Parent Cell Phone: _____

Student Grade: _____

Score Card

For the use of Science Bee coordinator ONLY:

Score [1-35] : _____

Score [36-40] : _____

Total Score : _____

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1. _____ is part of the seed that has tiny undeveloped plant and stores food and nutrients to help the seed survive
 - A. Flower
 - B. Fruit
 - C. Embryo
 - D. Pollen

2. A large plant will not grow well in a small pot. Why?
 - A. the roots of the plant need room to spread out and grow
 - B. the leaves of the plant need room to spread out and grow
 - C. the flowers of the plant need room to spread out and grow
 - D. all of the above

3. Germination happens when _____
 - A. Pollen lands in the female part of the flower
 - B. A seed begins to grow into a new plant
 - C. An adult plant makes leaves
 - D. When the tree starts growing strong roots

4. _____ are seed bearing plants
 - A. Small plants and Flowering Plants
 - B. Cone bearing plants and Flowering plants
 - C. Small plants, Cone bearing plants and Flowering plants
 - D. None of the above

5. **Characteristics of Dicots:**
 - A. 2 cotyledons and branched veins
 - B. Vascular bundles arranged in a ring and taproot
 - C. Vascular bundles arranged in a ring and fibrous root
 - D. A and B



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- 6. The animal kingdom can be organized according to skeletal structure. What are the two groups?**
- A. Invertebrates and Vertebrates
 - B. Birds and Snakes
 - C. Unicellular and Multicellular
 - D. All of the above
- 7. Having a body temperature that changes with the temperature in the environment**
- A. Warm blooded
 - B. Cold blooded
 - C. Hot blooded
 - D. Pure blooded
- 8. How can you tell the difference between a moth and a butterfly?**
- A. Butterflies usually have smaller bodies.
 - B. Butterflies have long slender antennae that are straight, end in a club, or end in a knob. Moths don't have a club or knob at the end of their antennae and usually have feathery antennae.
 - C. Moths mostly come out at night, butterflies during the day.
 - D. All of the above
- 9. Canine Teeth of meat eaters help them to**
- A. Suck Blood
 - B. Eat sugars
 - C. Hold and tear the prey
 - D. Grind leaved and grasses



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10. Which of the following BEST describes volume?

- A. Matter's ability to go through oxidation
- B. How much space matter takes up
- C. The weight of matter
- D. The shape of matter

11. Which of the following words would be an observable physical property of an orange?

- A. Weighs 5 ounces
- B. Freezes at 30° F
- C. Acid level of 3.8 pH
- D. Sour

12. Why does the scale read a lower number when a person has been losing weight and eating less?

- A. Because the person doesn't have much food in the stomach
- B. Because the person's body might be different, so need a different scale
- C. Because person's body has lost matter, not much force was exerted on the scale
- D. Because gravity on the scale is different

13. Imagine if Earth as a clock face, what time on the clock would point to the north pole?

- A. 1 o'clock
- B. 3 o'clock
- C. 6 o'clock
- D. 9 o'clock



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14. A special equipment is needed to observe the following aspect _____
- A. Rain and snow
 - B. Wind
 - C. Air pressure
 - D. Clouds
15. Green plants are considered _____ on the food chain.
- A. Tertiary consumer
 - B. Consumer
 - C. Primary consumer
 - D. Producer
16. The technique/s to take advantage of direct sunlight with no mechanical devices is referred to as _____.
- A. Passive Solar
 - B. Photovoltaics
 - C. Thermal heating
 - D. Active solar
17. A machine with few or no moving parts that you apply just one force is _____
- A. Human
 - B. Compound machine
 - C. Simple machine
 - D. Working machine



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18. Batteries are a type of _____ energy.

- A. Kinetic
- B. Potential
- C. Electrical
- D. Solar

19. Foot of the mountain is called _____

- A. Piedmont
- B. Plain land
- C. Mountain base
- D. Pedestal base

20. Going into sleep during cold months _____

- A. Aestivation
- B. Migration
- C. Emigration
- D. Hibernation

21. Camouflage and mimicry are examples of

- A. Fun
- B. Aggression
- C. Self defense
- D. Growth



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22. Mixture is defined as _____

- A. All of the following
- B. It is made of two or more kinds of matter that are placed together.
- C. The amounts of each kind of matter do not need to be the same. A pile of pennies, nickels and dimes is a mixture of coins.
- D. The important thing about a mixture is that each kind of matter in it does not change into another substance.

23. When salt dissolves in water the amount of salt?

- A. It will increase as it dissolves and occupies more area
- B. It will decrease as it is dissolved in water
- C. Stays the same even if it is dissolved
- D. Can't measure as it is dissolved

24. Identify simple machine/s that has a circular frame (wheel) that moves around a rod (axle)

- A. Door knob
- B. Door knob and Clock
- C. Door knob, Clock, and Merry-go-round
- D. Door knob and Clock, and Merry-go-round and fulcrum

25. Forces that act together on an object without changing its motion

- A. Balanced forces
- B. Unbalanced forces
- C. Frictional forces
- D. Directional forces



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26. Objects keep doing what they're doing until another force acts upon it. An object not in motion will continue to not be in motion until a force is applied to it is _____

- A. Resting
- B. Uniform motion
- C. Inertia
- D. Gravity

27. A measure of the force of gravity on an object

- A. Mass
- B. Weight
- C. Force
- D. Pull

28. A tool that measures wind speed.

- A. Anemometer
- B. Hygrometer
- C. Barometer
- D. Wind Vane

29. A huge storm formed over an ocean is called _____. This can cause heavy rains, strong winds, and huge waves can cause damage. People usually know before the strike.

- A. Tornado
- B. Cyclone
- C. Hurricane
- D. All of the above



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30. A diet that includes many different / kinds of foods is _____
- A. Buffet food
 - B. Balanced food
 - C. Tasty food
 - D. Repairing food
31. Earth looks ____ from space because most of its substance is covered by ____.
- A. Bright, Trees
 - B. Blue, Water
 - C. Grey, Mountains
 - D. Round, Poles
32. A fossil that is the shape of a plant or animal left in sediments when the rock was formed and was made by ancient organism.
- A. Mold Fossil
 - B. Cast Fossil
 - C. Sedimentary Fossil
 - D. Fossil Imprint
33. A group of interacting, interrelated, or interdependent elements or parts that function together as a whole to accomplish a goal.
- A. Function
 - B. Organ
 - C. Element
 - D. System



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34. Vitamins are required for:

- I.** Growth
- II.** Proper functioning of the body
- III.** Essential nutrients that yield energy

- A. I and II
- B. I and III
- C. II and III
- D. I, II and III

35. Different ways plants help the environment and humans are

- A. Plant roots hold soil together to prevent erosion
- B. Plants provide food
- C. Plants provide oxygen
- D. All of the above

Fill in the Blanks

Check your spelling

36. A device that uses a free-moving magnetic needle to show direction is _____

37. _____ is an organism that breaks down dead plant and animal material.

38. A place where fresh water from a river mixes with salt water from the ocean _____

39. 5 groups of Vertebrates are Fishes, _____, Reptiles, _____ and Mammals.

40. In _____ the living and nonliving things that share an environment and interact.



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Level 3 Answer Keys:

S.No	Answer
1	C
2	A
3	B
4	B
5	D
6	A
7	B
8	D
9	C
10	B
11	D
12	C
13	A
14	C
15	D
16	A
17	C
18	B
19	A
20	D
21	C
22	A
23	C
24	C
25	A
26	C
27	B
28	D
29	C
30	B
31	B
32	A
33	D
34	A



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35	D
36	COMPASS
37	DECOMPOSER
38	ESTUARY
39	Amphibians
40	Ecosystem