

# Key stage 3 – Science Practice Test – MCQ 2016

Time: 45 mins

Name:

Marks:

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Picture taken by SMM

Use the above picture to answer the **Qu-1** to **Qu-3**

1. What sort of relationship has been shown in this picture? Pick very suitable answer only
  - a. Prey
  - b. Predator
  - c. Prey – Predator
  - d. None
2. Why does this flower have the attractive colourful petals?
  - a. To look beautiful
  - b. For protection
  - c. To attract insects
  - d. None
3. What sort of tactic could be used by Spider to catch the prey?
  - a. Camouflage
  - b. Releasing mucus
  - c. Producing honey
  - d. Scent

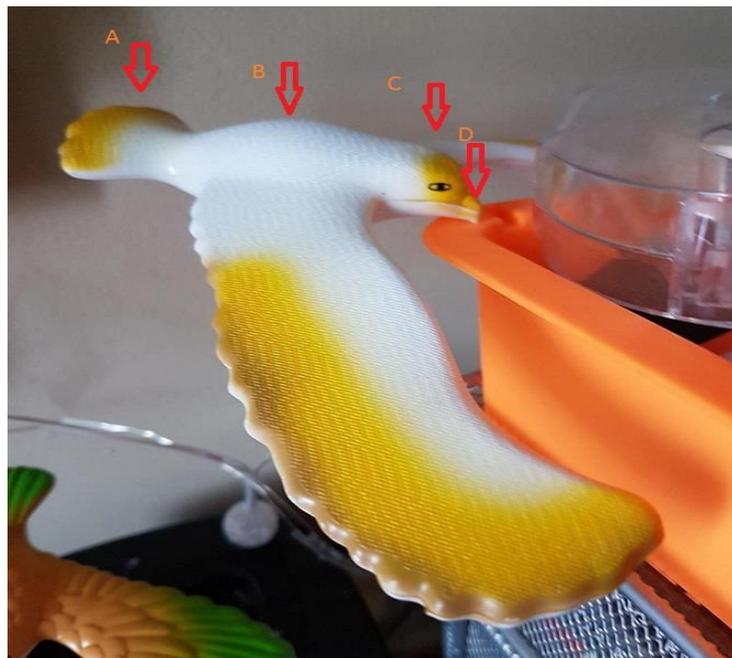


Picture taken by SMM

Use the above picture to answer the **Qu-4 to Qu-5**

4. Fishes had adaptation to live in water, which structural adaptation of fish helps it to respire in water?  
a. Wet scales      b. Gills      c. Fins      d. Streamline body
5. Why do shoppers keep fish in ice?  
a. To look fresh      b. To preserve      c. To attract      d. To shine
6. Name of the tissue where most of the photosynthesis reactions are taking place in plants?  
a. Epithelial tissue      b. Spongy layer      c. Stomata      d. Palisade tissue
7. Name of the gas is mostly released by plants at night and why?  
a. CO<sub>2</sub>/Photosynthesis      b. O<sub>2</sub>/Respiration      c. O<sub>2</sub>/Photosynthesis      d. CO<sub>2</sub>/Respiration
8. Name of the glands which are producing hormones in the body is generally called as  
a. Endocrine glands      b. Mammary glands      c. Ovary      d. Pituitary gland
9. Which natural process does the recycling of "C" element by releasing CO<sub>2</sub> back into atmosphere?  
a. Protein synthesis      b. Growth      c. Respiration      d. Photosynthesis
10. Name the organ which is producing urine?  
a. Liver      b. Blood      c. Bladder      d. Kidney
11. The acids are generally called?  
a. H<sup>+</sup> donors      b. OH<sup>-</sup> donors      c. H<sup>+</sup> acceptors      d. Salts
12. Acid + Alkaline → X + Y, X and Y are respectively,  
a. Ions & Water      b. Hydrogen & Salt      c. Salt & Water      d. Hydrogen & Water
13. The symbol of Lithium sulphate is,  
a. Li<sub>2</sub>S      b. LiS<sub>2</sub>      c. LiSO<sub>4</sub>      d. Li<sub>2</sub>SO<sub>4</sub>
14. Fe<sub>2</sub>O<sub>3</sub> + Zn → X + Y, where a pure element X produced, Symbol of X is,  
a. Fe      b. Zn      c. O<sub>2</sub>      d. None

15. The example/s of exothermic reaction is/are,  
a. Burning fuel      b. Acid+ Alkaline reaction      c. Respiration      d. All of them
16. The list of Halogens in increasing reactivity order is,  
a. Br Cl F      b. Br I Cl      c. Cl Br I      d. a & c
17. The natural form of nitrogen gas is,  
a. N      b. N<sup>2</sup>      c. N<sub>2</sub>      d. N=N
18. The example for an igneous rock is,  
a. Salt      b. Marble      d. Limestone      d. Granite
19. Which is/are physical weathering process/es,  
a. Freeze thaw      b. Onionskin      c. Friction      d. All of them
20. An estimated pH of stomach acid is,  
a. 2.5      b. 6.5      c. 7      d. 13
21. The gravity is,  
a. Vector quantity      b. Scalar quantity      c. Both      d. None
22. Weight of an object is 620 kgms<sup>-2</sup> on Earth, what is the mass (kg) of the same object in the international space station, where UK's astronaut Tim Peake lived for six months?  
a. 6.2      b. 6200      c. 62      d. None



Picture taken by SMM

Use the above picture to answer **Qu 23 to 25**

23. The Centre of Mass of this toy bird is at,  
a. B      b. A      c. D      d. C
24. Assume the above toy bird weighs 0.25N, Find out what size of reaction force is applied on the bird? (Gravity of Earth= 10 N/kg)  
a. 2.5 N      b. 0.25N      c. 250N      d. 0.025N
25. The above toy bird is kept 5 m above from the ground, what is the Gravitational potential energy (GPE) stored in it? (GPE= Weight (kgms<sup>-2</sup>) X height (m))

- a. 1.25 J   b. 12.5 J   c. 0.125 J   d. 7.5 J



Picture taken by SMM

Use the above picture to answer **Qu 26 to 28**

26. When Master took a photograph for his Instagram app, he found these annoying colour spots on that photograph, what colour filter could master use to eliminate all those spots except green?
- a. Red      b. Blue      c. Black      d. Green
27. The velocity of white Light is  $3 \times 10^8$  m/s, what is the velocity of red light (nearly)?
- a. 25000 m/s      b. 300000 m/s      c.  $3 \times 10^5$  km/s      d. None of them
28. "VIBGYOR" represents,
- a. Rainbow colours      b. Colours in white light      c. a&b      d. None of them
29. The loudness of sound is measured in
- a. dB      b. Hz      c. m/s      d.  $\text{m/s}^2$
30. What type of wave is produced in the sea?
- a. Longitudinal      b. Transverse      c. Spring Energy wave      d. None of them
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**End of This Test**

**Student's Comment:** .....

**Parent's Signature:** .....