



RAMAGYA SCHOOL, NOIDA

CLASS VIII/SCIENCE/2017-18

OLYMPIAD PRACTICE WORKSHEET

TOPIC- SYNTHETIC FIBRES AND PLASTICS, FORCE AND PRESSURE

MULTIPLE CHOICE QUESTIONS

- Pick the synthetic fibre out of the following
 - cotton
 - nylon
 - jute
 - wool
- Which of the following is a source of rayon?
 - wool
 - PET
 - wood pulp
 - silk
- Polycot is obtained by mixing
 - nylon and wool
 - polyester and wool
 - nylon and cotton
 - polyester and cotton
- Which is a thermosetting plastic
 - melamine
 - polythene
 - PVC
 - nylon
- The material similar to silk in appearance is
 - Nylon
 - rayon
 - polyester
 - terylene
- The most suitable material for the preparation of handles of cooking utensils is
 - polythene
 - PVC
 - nylon
 - Bakelite
- Which of the following is not a common property of plastics?
 - non reactive
 - light in weight
 - durable
 - good conductor of electricity
- Which of the following groups contain all synthetic substances?
 - nylon, terylene, wool
 - cotton, polycot, rayon
 - PVS, polythene, Bakelite

- d. Acrylic, silk, wool
- 9. The material commonly used for making kitchen containers is
 - a. PVC
 - b. acrylic
 - c. Teflon
 - d. PET
- 10. Nylon is a polymer which is termed as
 - a. polyamide
 - b. polyester
 - c. polyamine
 - d. none
- 11. The SI unit of mass is
 - a. Kg
 - b. kg wt
 - c. newton
 - d. pascal
- 12. Spring balance is a device used to measure the_____of an object
 - a. mass
 - b. weight
 - c. speed
 - d. distance
- 13. Weight of a body is zero at the
 - a. poles
 - b. equator
 - c. centre of the Earth
 - d. None of the above
- 14. The force between unlike or like charges is called
 - a. gravitational force
 - b. electrostatic force
 - c. magnetic force
 - d. frictional force
- 15. Which of the following types of force s is not 'action at a distance force'
 - a. muscular force
 - b. gravitational force
 - c. electrostatic force
 - d. magnetic force
- 16. Force applied on a body can change its
 - a. speed only
 - b. shape only
 - c. direction of motion only
 - d. all of the above
- 17. Camels can walk easily on land as compared to other animals because they have
 - a. broad feet
 - b. long feet
 - c. short feet
 - d. none of the above
- 18. The pressure in a liquid at greater depth is
 - a. smaller
 - b. greater
 - c. same
 - d. higher
- 19. Hydraulic press is based on
 - a. Pascal's Law
 - b. Boyle's law
 - c. law of floatation
 - d. Newton' law

20. A barometer is used to measure
- thrust
 - atmospheric pressure
 - density
 - force
21. At sea level, atmospheric pressure is about
- 10^3 Pa
 - 10^4 Pa
 - 10^5 Pa
 - 10^6 Pa
22. When pressure is applied at a point in a confined fluid it is transmitted
- equally in all directions
 - unequally in all directions
 - Less upward but more downward
 - less downward but more upward