



**(Papers) RRB Group D : Exam Paper & Answer Key**  
**Date: 16 Oct 2018 Shift-3 (General Science)**

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**Q1. What is mixing an acid with water that results in a decrease in the concentration of ions per unit volume called?**

- a. Dilution
- b. Neutralisation
- c. Acidification
- d. Concentration

**Q2. Barometer is related to Pressure, in the same way as Seismograph is related to .....**

- a. Flood
- b. Earthquake
- c. Humidity
- d. Temperature

**Q3. Which of the following is an example of a metal that needs to be stored under oil?**

- a. Potassium
- b. Gold
- c. Iron
- d. Silver

**Q4. Motion of a body with constant speed in a circular path is called:**

- a. Uniform circular motion
- b. Non-uniform circular motion
- c. Circulatory motion
- d. Oscillatory motion

**Q5. Which of the following statements is true for metals?**

- a. Metals have 1 to 3 valence electrons in their outermost orbit.
- b. Metals have 1 to 4 valence electrons in their outermost shell.
- c. Metals have 8 valence electrons in their outermost shell.
- d. Metals have 4 or more valence electrons in their outermost orbit.

**Q6. Which one of the following promotes cell division?**

- a. Auxin
- b. Gibberellins
- c. Cytokinin
- d. Abscisic acid

**Q7. Which of the following statements is true?**

- a. The Mass and weight of a body change from place to place.
- b. The Mass of a body remains same while the Weight changes from place to place.
- c. The Mass of a body changes from place to place while the Weight remains the same.
- d. The Mass and Weight of the body remain the same in different places.

**Q8. 1 joule / second = ?**

- a. 1 ohm
- b. 1 ampere
- c. 1 watt
- d. 1 coulomb

**Q9. An ultrasonic sound wave has a frequency higher than:**

- a. 20 Hz
- b. 20000 Hz
- c. 200 Hz
- d. 2000 Hz

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**Q10. Which of the following can undergo sublimation?**

- a. Ammonium chloride
- b. Ammonium chlorate
- c. Ammonium sulphate
- d. Ammonium phosphate

**Q11. The forces between two bodies are always:**

- a. unequal and in the opposite direction
- b. equal and in the opposite direction
- c. equal and in the same direction
- d. isolated forces

**Q12. Fibers are absent in:**

- a. Liver
- b. Blood
- c. Kidney
- d. Heart

**Q13. A stone is tied to a spring balance. Under which of the following conditions the reading on spring balance will show the least weight?**

- a. When the stone is partially submerged in the water in a beaker.
- b. When the stone is completely submerged in the water in a beaker.
- c. When the stone is on the surface of water taken in a beaker.
- d. When the stone is suspended in air.

**Q14. The 4<sup>th</sup> and 5<sup>th</sup> periods contain:**

- a. 8 elements
- b. 18 elements
- c. 11 elements
- d. 9 elements

**Q15. Which of the following, can neither be created nor be destroyed?**

- a. Force
- b. Power



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- c. Momentum
- d. Energy

**Q16. Which of the following sets are the best insulators?**

- a. Rubber, glass, plastics, ebonite, cotton, copper
- b. Bakelite, dry air, paper, ebonite, aluminium
- c. Plastics, ebonite, paper, cotton, Bakelite, dry air, rubber
- d. Silver, copper, gold, iron

**Q17. When two equal forces are acting on a body and opposite in direction, the net force acting on a body becomes**

.....

- a. two times
- b. three times
- c. zero
- d. four times

**Q18. The reproductive parts of angiosperms are located in the:**

- a. leaves
- b. flowers
- c. roots
- d. stems

**Q19. A  $8\Omega$  resistance wire is doubled on it. Calculate the new resistance of the wire.**

- a.  $1.25\ \Omega$
- b.  $1.00\ \Omega$
- c.  $1.5\ \Omega$
- d.  $2.00\ \Omega$

**Q20. The atmospheric pressure at sea level is ..... atm.**

- a. 0.001
- b. 1
- c. 0
- d. 0.1

**Q21. An element having atomic number 17 will resemble which of the following elements having Atomic number as given below?**

- a. 33
- b. 34
- c. 18
- d. 35

**Q22. Sound is produced by .....**

- a. swinging bodies
- b. moving objects
- c. talking people
- d. vibrating objects

**Q23. The organs that have different basic structure (or different basic design) but have similar appearance and perform 5 similar functions are called:**

- a. biogenetic law
- b. analogous organs
- c. homologous organs
- d. fossils

**Q24. What happens when dilute hydrochloric acid is added to iron filings?**

- a. Only chloride are produced
- b. Hydrogen gas and iron chloride are produced
- c. No reaction take place
- d. Only hydrogen gas is produced

**Q25. Which of the following statements is true?**

- a. Carbon dioxide diffuses from lungs into blood and oxygen diffuses from blood into lungs.
- b. Carbon monoxide diffuses from lungs into blood and oxygen diffuses from blood into lungs.
- c. Oxygen diffuses from lungs into blood and carbon dioxide diffuses from blood into lungs.
- d. Oxygen diffuses from lungs into blood and carbon monoxide diffuses from blood into lungs.

**ANSWER**

1. (a) 2. (b) 3. (a) 4. (a) 5. (b) 6. (c) 7. (b) 8. (c) 9. (b) 10. (a)  
11. (b) 12. (b) 13. (b) 14. (b) 15. (d) 16. (c) 17. (c) 18. (b) 19.  
(d) 20. (b)  
21. (d) 22. (d), 23. (b) 24. (b) 25. (c)





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