

JKG INTERNATIONAL SCHOOLVIJAY NAGAR

SA II (2016-17) SAMPLE PAPER

Time: 3 hrs

SUBJECT: SCIENCE

M.M – 90

CLASS – VII

General instructions:

1. The question paper comprises of two sections, A and B. You are to attempt both the sections.
2. All the questions are compulsory.
3. All questions of sections – A and all questions of section – B are to be attempted separately.

Section – A

- Q1. What is CFL? (1)
- Q2. Name the topmost layer of forest? (1)
- Q3. In which direction does the current flow in a closed circuit? (1)
- Q4. WBCs are often called soldiers of the body. Why? (2)
- Q5. What is meant by resistance of a wire? (2)
- Q6. What are the uses of concave mirror? (2)
- Q7. What are acids? What is the difference between organic acids and mineral acids? (3)
- Q8. What is acid rain? Give two harmful effects of acid rain? (3)
- Q9. Forests provide shelter to a wide variety of organisms and also maintain balance of nature. Still, they do not need our care to sustain, as nature fulfills all their requirements. Give examples of some animals that are only found in forests.
- What do you learn from forests?
- Q10. What is meant by rainwater harvesting? Draw a labeled diagram of it. (3)
- Q11. What is dispersion of light? Draw a diagram to show the dispersion of white light through prism? (3)
- Q12. A person standing 10 m away from a plane mirror moves 5 m towards the mirror. What is the distance between the person and the image? (3)
- Q13. What is a solenoid? How can you increase the strength of a solenoid? (3)
- Q14. Give any three uses of electromagnet? (3)
- Q15. What are the differences between asexual and sexual reproduction? (3)
- Q16. What are the male and female reproductive parts of a flower? Draw a neat diagram of both the reproductive organs? (3)
- Q17. Give reason: (3)
- (a)Arteries have thick and elastic muscular walls.
- (b)Veins have thin and less elastic muscular walls.
- Q18. What is dialysis? What types of patients are put on dialysis? (3)

- Q19. (a) What are indicators? (5)
 (b) Name two natural and two synthetic indicators?
 (c) What happens when blue litmus paper is dipped in lemon juice and baking soda?
- Q20. What is food chain? Draw any one food chain. How does the energy flow in a food chain? (5)
- Q21. What is water table? What are the causes of depletion of water table? What are the effects of water scarcity? (5)
- Q22. (a) What are convex and concave lenses? (5)
 (b) Define optical centre, focus and focal length of lens.
- Q23. What is pollination? What are its types? Explain with the help of diagrams? (5)
- Q24. What is transpiration? Write its importance? (5)

SECTION- B

- Q25. The _____ lens converges the light. (1)
 a) Convex b) concave c) none
- Q26. White light is a mixture of _____ colours. (1)
 a) Four b) seven c) six
- Q27. Rubber, plastics etc are _____. (1)
 a) Good conductor b) poor conductor c) none
- Q28. Electric bell works on the _____ property of electric current. (1)
 a) Directive b) heating c) magnetic
- Q29. In an electric circuit, if the bulb is fused, then the circuit is _____. (1)
 a) Closed b) open c) none
- Q30. The average heartbeat of an adult while resting is _____ times per minute. (1)
 a) 72-80 b) 80-92 c) 92-100
- Q31. The food prepared by leaves is transported by _____ tissue. (1)
 a) Xylem b) phloem c) stomata
- Q32. _____ turn yellow turmeric paper to _____. (1)
 a) Acids, green b) Bases, red c) Bases, green
- Q33. _____ are the cleansing agent. (1)
 a) Decomposers b) Herbivores c) Carnivores
- Q34. Why are flowers generally so colorful and fragrant? (2)
- Q35. A coil suspended freely, points in some direction when no current is passed through it. What happens when a current is passed through it? (2)
- Q36. Why is making of tube wells prohibited in residential areas? (2)

