



FACULTY HIGHER SECONDARY SCHOOL
SAMPLE PAPER 2019-20
CLASS - VII
SUBJECT :- SCIENCE
FULL MARKS - 80

GENERAL INSTRUCTION:-.

Group A contains question from number 1 to 13 carry one mark each.

Group B contains question from Q number 14 to 23 of 3 marks each and

Group C contains question from number 24 to 29 of 5 marks each .

GROUP -A

Objective type of questions:-

1x10= 10

Q1. The mode of nutrition in cuscut is

- a)Parasitic b) Saprophytic c) symbiotic d) None of these.

Q2. The sensation of hotness and coldness is caused by

- a) Magnetic b) heat c) Electrical d)chemical.

Q3. Bases are generally _____ to touch.

- a)Hot b)cold c)soapy d) rough

Q4.Acid solution turns pink chins rose indicators to

- a)Green b) Blue c) Magenta d)Black.

Q5. Pengiuns are found in_____.

- a)Tropical region b) Polar region c) Sub-Tropical region d) Desert.

Q6. Coating iron with metals is known as-----

- a) Crystallisation b) Galvanisation c) Rust d) Non of these.

Q7.Explosion is Physical change/ Chemical change _____.

Q8. During inhalation , the ribs are pushed

- a)Upwards b) Downwards c)Inwards d) Sideward

Q9.Transfer of pollen grains from anther to stigma is called

- a) Fertilization b) vegetative propagation c) Spore formation d) Pollination

Q10. Doctor use concave mirror to produce_____ beam of light:-

- a)Diverging b) converging c) parallel d) zigzag lines. |

- Q11. **Fill up the blanks.** 1x3= 3
- a) _____ trap light energy from sun to leaves.
- b) Bouncing back of light from a smooth surface is called _____ of light.
- c) China rose extract is an _____ indicator.

- Q12. **Answer in one word :-** 1x5=5
- a) Name the process by which transfer of heat takes place in solid?
- b) Name the chemical which is sour in taste ?
- c) Name the instrument used for measuring relative humidity.
- d) What type of respiration takes place without oxygen?
- e) Name a flower which contains both male and female reproductive organ.

- Q13. **Match the following:-** $\frac{1}{2} \times 4 = 2$
- | | |
|-------------------|------------------------------------|
| a) Convex mirror | i) Dispersion |
| b) White light | ii) Diminished image |
| c) Rainbow | iii) magnified image |
| d) Concave mirror | iv) mixture of 7 different colour. |

GROUP B

- Q14. What is saprophytic mode of nutrition? Give example. 2+1 =3
- Q15. How can we say that photosynthesis maintain balance between oxygen and carbon dioxide in the atmosphere. Write one function of stomata. 2+1=3
- Q16. Explain how can we neutralize acid and base soil before cultivation? 3
- Q17. Explain how china rose indicator can be prepared to test unknown solution as acid and base? 3
- Q18. Write three characteristic of physical change? 3
- Q19. How do human activities influence the climate of a place? 3
- Q20. Discuss asexual reproduction of any two of the following.
(Fragmentation / spore formation/ grafting)
- Q21. Write one use of concave mirror, convex mirror and plane mirror. 3
- Q22. Draw diagram to show that reflection of light in a plane mirror. 3
- Q23. Differentiate between aerobic respiration and anaerobic respiration. 3

GROUP - C

- Q24. Write briefly on the following with example $2 \frac{1}{2} + 2 \frac{1}{2} = 5$
- a) Parasitic nutrition b) symbiotic nutrition

Q25. List the adapted characters of camel that help it to survive in the desert. 5

Q26. Ram and Rahim are best friend. Rahim goes to Ram's house to celebrate Diwali. Both are burning crackers.

a) Do you think burning crackers is good for our environment? b) What type of change is this? c) How does it harm us and what steps are to be taken to avoid this act? $1+1+3=5$

Q27. Draw the mechanism of breathing in Human being? Why does an athlete breath faster and deeper than usual even after finishing the race? $2\frac{1}{2} + 2\frac{1}{2} = 5$

Q28. Draw and explain the special features of seed and fruit which are dispersed by wind? Why dispersal of seed is essential for plants? $3+2=5$

Q 29. Explain the following uses of bad conductors (insulators) of heat. (Any two) $2\frac{1}{2} + 2\frac{1}{2} = 5$

a) Igloo b) False ceiling c) Woolen garments