

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2019 – 2020)

Class / Section: VII

MM:80

Subject: Science

Time: 3 Hrs.

Name _____

Roll No.: _____

(Fifteen Minutes Extra will be given for reading the Question Paper.)

General Instruction: All questions are compulsory

- There are three sections A,B,C.
- Question no.1 to 10 are MCQ type and Q. No.11 to 20 are Fill up type, carry 1 mark each.
- Question no. 21 to 30 , each question is of 3 marks and to be answered in 30-40 words.
- Question no. 31 to 36 , each question is of 5 marks and to be answered in 80-100 words.

SECTION-A

Choose the correct answer :

Q1. Sweating causes cooling by

- (a) Conduction (b) Radiation (c) Convection (d) Evaporation

Q2. Which of the following is the symbol of Gold?

- (a) Gd (b) Ag (c) Au (d) Pb

Q3. Chemical used for bleaching of silk

- (a) Calcium chloride (b) Iron oxide (c) Nitric acid (d) Hydrogen peroxide

Q4. Which is the correct form:

- (a) 60 km. (b) 60 kms (c) 60 Km (d) 60 km

Q5. The smallest particles of soil are called

- (a) Clay (b) Sand (c) Silt (d) Gravel

Q6. Food is prevented from going into the windpipe by a small flap like structure called

- (a) Glottis (b) Epiglottis (c) Peristalsis (d) Assimilation

(1)

P.T.O.

Q7. The rearing of silkworms to obtain silk is called

- (a) Sericulture (b) Horticulture (c) Agriculture (d) Aquaculture

Q8. Scientist who study weather are called

- (a) Cardiologist (b) Meteorologist (c) Dermatologist (d) Microbiologist

Q9. Underground pipes that carry waste materials are

- (a) Strainer (b) Sewers (c) Aeration tank (d) Screens

Q10. Thing that we get from coniferous trees

- (a) Gum (b) Rubber (c) Quinine (d) Resin

Fill in the blanks :

Q11. The SI unit of speed is -----.

Q12. The valency of Nitrogen in ammonia (NH_3) is -----.

Q13. -----teeth are absent in herbevores.

Q14. Twister and whirlwind are alternative names for a -----.

Q15. Natural decomposes cannot break down -----waste.

Q16. The capacity of an element to combine with other element is known as-----.

Q17. ----- is the capacity to do work.

Q18. The cell walls of plants are made of-----.

Q19.-----are the small piles of coiled earth excreted by earthworms.

Q20. The time taken by pendulum to complete one oscillation is called its -----.

SECTION -B

Answer the following questions

Q21. What do you mean by compound radicals ? Give examples of two radicals,along with their valencies.
Also write two compounds containing compound radicals.

Q22. Explain why

- (i) Ventilators and exhaust fans are usually near the ceiling of a room.
- (ii) There is kink in clinical thermometer.
- (iii) Two thin sweaters feel warmer than one thick sweater.

Q23. Write an activity to show that absorption capacity of wool is more than silk and artificial fibres.

Q24. Write any three characteristics of clay soil.

Or

Draw a well labeled diagram of different layers of soil

Q25. Why is the cross breeding of sheep necessary in India? Name two exotic breeds.

Or

Explain the following :

- (i) Throwing
- (ii) Shearing
- (iii) Weighting

Q26 (i). Define speed.

(ii). A car takes 35 minutes to cover a distance of 20 kms. Calculate its speed in m/s.

Or

Explain uniform and nonuniform motion with one example of each.

Q27. Mention any three things that we can do to reduce the burden on the waste water disposal system.

Q28. What is air pressure ? How does it determine the kind of weather a place will have.

Q29. What is special about ruminant's stomach ? How does it help the animal digest vegetable matter ?

Q30. Name any three medicinal plant and write their one use.

SECTION-C

Q31. (i) Write one difference between transfer of heat by conduction and convection.

(ii) Convert $60^{\circ}\text{F} = \text{-----}^{\circ}\text{C}$.

(iii) Explain two changes that heat causes in substance.

Or

Explain how sea breeze originate with the help of diagram.

Q32. Explain five things that play an important role in formation of soil.

Or

(i) How do biota help to improve fertility of the soil ?

(ii) What happens to the rain water that seeps through the soil ?

Q33. (i) Why do carnivorous plants trap insects ? Explain how one such plant traps insects ?

(ii) Name the juice secreted by the liver and write its function.

Or

(i) Write in brief about the process of nutrition in amoeba.

(ii) Which enzyme is present in saliva and write its function.

Q34. How does a cyclone develop? Describe its three impacts in brief.

Or

(i) Explain why roof get blown off during a storm.

(ii) Explain summer monsoon winds.

Q35. What is the meaning of 'treating waste water'? Explain primary and secondary treatment of waste water.

Or

(i) Draw a well labeled diagram of different stages of waste water treatment.

(ii) Write any two problems that are with having open rain water drains.

Q36. Explain five impacts of deforestation on our environments.

Or

(i) How do plants of a forest help other organisms (Write any three points).

(ii) Explain food chain and food web.