SUBJECT: SCIENCE CLASS: IX

MAX. MARKS: 80 DURATION: 3 HRS

General Instructions:

- The question paper comprises of five sections A, B, C, D and E. You are to attempt all the sections.
- All questions are compulsory.
- 3. Internal choice is given in sections B, C, D and E.
- Question numbers 1 and 2 in Section A are one mark questions. They are to be answered in one word or in one sentence.
- Question numbers 3 to 5 in Section B are two marks questions. These are to be answered in about 30 words each.
- Question numbers 6 to 15 in Section C are three marks questions. These are to be answered in about 50 words each.
- Question numbers 16 to 21 in Section D are 5 marks questions. These are to be answered in about 70 words each.
- Question numbers 22 to 27 in Section E are based on practical skills. Each question is a two
 marks question. These are to be answered in brief.

SECTION - A

- 1. Draw a displacement-time graph for a body moving with uniform velocity.
- 2. Identify the kind of energy possessed by a running athlete.

SECTION - B

- 3. (a) What are concentrates in animal feed?
 - (b) Name two internal parasites that cause diseases in animals?

\mathbf{OR}

What is mixed farming? How does it help a farmer?

- 4. Name the abiotic factors responsible for the damage of food grains during storage.
- 5. (a) State the principle on which the working of a hydrometer is based.
 - (b) A sharp knife is more effective than a blunt knife. Why?

SECTION - C

- 6. (a) Which is greater, the attraction of the earth for 1 kg of iron or the attraction of 1 kg iron for the earth? Why?
 - (b) A boy throws a ball vertically upwards and catches it back in 10 s. Calculate
 - (i) the velocity with which it was thrown up and
 - (ii) maximum height attained by the ball. (Take $g = 10 \text{ m/s}^2$)
- A circular track has a circumference of 3140 m with AB as one of its diameter. A scooterist moves from A to B along the circular path with a uniform speed of 10 m/s. Find
 - (a) distance covered by the scooterist,
 - (b) displacement of the scooterist, and
 - (c) time taken by the scooterist in reaching from A to B.
- 8. How are Phanerogamae divided into sub-divisions?

OR

What is the difference between plasma membrane and cell wall? Give the functions of each one.

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Michael Brown

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APC Perfect Sample Papers - Science - Class 9 - SA II , Perfect Sample Papers is a series prepared as per the guidelines syllabus and marking scheme issued by CBSE for Class IX Summative Assessment II The salient features of Perfect Sample Papers are The questions in the sample papers have been so designed that complete syllabus is covered Solutions to the first five sample papers are given Students are advised to attempt these papers first and take help from the solutions provided in the book to identify their weak areas and improve them Additional ten unsolved sample papers for practice will help students gain confidence The questions in the sample papers are of varying difficulty level and will help students evaluate their reasoning analysis and understanding of the subject matter Educart CBSE Science Class 9 Sample Papers for 2024-25 (Introducing Revision Maps) 2025 Educart, 2024-09-17 What You Get Chapter wise Concept Maps 50% Competency based Q sOfficial CBSE Board Papers Solved Educart CBSE Science Class 9 Sample Papers for 2024 25 Introducing Revision Maps 2025 Strictly based on the Latest CBSE Class 9 Syllabus for 2024 25 Includes sample papers based on the new analytical exam pattern Detailed explanations for every solution Caution points and related NCERT theory for concept clarity Why choose this book New sample papers based on a new competency based exam pattern improve the Educart CBSE Class 10 Question Bank SCIENCE, MATHS, SOCIAL SCIENCE, chances of being a CBSE topper **ENGLISH & HINDI A For 2023-2024 (Combo of 5 Books)** Educart, 2023-05-27 **Educart CBSE Class 10 Question** Bank SCIENCE for 2023-2024 Educart, 2023-05-27 Oswaal CBSE Sample Question Papers English, Math, Science & Social Science Class 9 (Set of 4 Books) (For 2024 Exams) | 2023-24 Oswaal Editorial Board, 2023-11-10 Description of the product 100% Exam Ready With 2023 CUET UG Exam Papers 2 Slots Fully Solved with Explanations Fill Learning Gaps With Revision Notes Chapter Analysis Crisp Recap with Smart Mind Maps Concept Videos Smart Shortcuts To Solve lengthy problems Final Boost With Tips Tricks to ACE CUET UG in 1st Attempt **Educart CBSE Class 10 Question** Bank SCIENCE & MATHS For 2023-2024 (Combo of 2 Books) Educart, 2023-05-27 **10 Sample Question Papers** for CBSE Class 10 Social Science with Marking Scheme & Revision Notes Disha Experts, The book provides 10 Sample Question Papers for CBSE Class 10 Social Science March 2018 Exam designed exactly as per the latest Blue Prints and Sample Papers issued by CBSE Each of the Sample Paper provides detailed solutions with Marking Scheme Further the book provides 1 CBSE Sample Paper with Solutions CBSE Blueprint issued by the CBSE Board The book also provides Revision Notes which will help you in revising the syllabus quickly before the exam The book is made strictly in accordance with the latest CBSE prescribed syllabus and pattern 5 Latest Sample Papers for CBSE 2020 Class 10 Exam - Science, Mathematicss, English Language & Literature, Social Science & Hindi B - 3rd Edition Disha Experts, 2019-10-21 5+2 years' CBSE Class 10th Solved Science & Maths Papers - eBook Jagran Josh, 2017-11-20 Jagran josh com is proud to present the complete package of Last 5 2 years CBSE Class 10th Science Maths Solved Question Papers to the students who

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