

# CBSE Class 10 Science Sample Paper SA 1

## Set 4

Time: 3hrs

M.M.: 80

### General Instructions :-

- (i) The question paper comprises of two Sections, A and B. You are to attempt both the sections.
- (ii) All questions are compulsory.
- (iii) There is no overall choice. However, internal choice has been provided in all the five questions of five marks category. Only one option in such questions is to be attempted.
- (iv) All questions of Section-A and all questions of Section-B are to be attempted separately.
- (v) Question numbers 1 to 3 in Section-A are one mark questions. These are to be answered in one word or in one sentence.
- (vi) Question numbers 4 to 7 in Section-A are two marks questions. These are to be answered in about 30 words each.
- (vii) Question numbers 8 to 19 in Section-A are three marks questions. These are to be answered in about 50 words each.
- (viii) Question numbers 20 to 24 in Section-A are five marks questions. These are to be answered in about 70 words each.
- (ix) Question numbers 25 to 42 in Section-B are multiple choice questions based on practical skills. Each question is a one mark question. You are to select one most appropriate response out of the four provided to you.

### SECTION: 'A'

1. In domestic electric circuit, with which wire do we connect a fuse? [1]
2. Name the two components of central nervous system in humans. [1]
3. Name one fuel used in nuclear reactor. [1]
4. Write the chemical reaction for respiration. Why is it considered an exothermic reaction? [2]
5. Mention one physical property each of a metal and a non-metal which is exceptional to their general properties. [2]
6. A battery of 12 V is connected to a series combination of resistors, 3  $\Omega$ , 4  $\Omega$ , 5  $\Omega$ , and 12  $\Omega$ . How much current would flow through the 12  $\Omega$  resistor? [2]
7. Why do two magnetic field lines never intersect each other? [2]
8. In the electrolysis of water: [3]
  - (i) Name the gas collected at the cathode and anode respectively
  - (ii) Why is the volume of one gas collected at one electrode double than that at the other? Name this gas.
  - (iii) How will you test the evolved gases?

# Science Sample Paper For Class Sa1

**Wolfgang Rathgeber, Kai-Uwe  
Schrogl, Ray A. Williamson**



## Science Sample Paper For Class Sa1:

**Science for Ninth Class Part 1 Biology** Lakhmir Singh & Manjit Kaur, A series of books for Classes IX and X according to the CBSE syllabus and CCE Pattern *Foundations of Software Science and Computational Structures* Martin Hofmann, 2011-03-18 This book constitutes the refereed proceedings of the 14th International Conference on Foundations of Software Science and computational Structures FOSSACS 2011 held in Saarbrücken Germany March 26 April 3 2011 as part of ETAPS 2011 the European Joint Conferences on Theory and Practice of Software The 30 revised full papers presented together with one full paper length invited talk were carefully reviewed and selected from 100 submissions The papers are organized in topical sections on coalgebra and computability type theory process calculi automata theory semantics binding security and program analysis *Proceedings of the Indian Science Congress* Indian Science Congress Association, 1958

**Mathematical Foundations of Computer Science 2013** Krishnendu Chatterjee, Jiri Sgall, 2013-08-16 This book constitutes the thoroughly refereed conference proceedings of the 38th International Symposium on Mathematical Foundations of Computer Science MFCS 2013 held in Klosterneuburg Austria in August 2013 The 67 revised full papers presented together with six invited talks were carefully selected from 191 submissions Topics covered include algorithmic game theory algorithmic learning theory algorithms and data structures automata formal languages bioinformatics complexity computational geometry computer assisted reasoning concurrency theory databases and knowledge based systems foundations of computing logic in computer science models of computation semantics and verification of programs and theoretical issues in artificial intelligence **Proceedings of the Twenty-second SIGCSE Technical Symposium on Computer Science Education** Nell Dale, 1991 **Safety Science Abstracts**, 1977 **Safety Science Abstracts Journal**, 1986 **Software Process Technology** Vincenzo Ambriola, 2003-06-29 This book constitutes the refereed proceedings of the 8th European Workshop on Software Process Technology EWSPT 2001 held in Witten Germany in June 2001 The 18 revised full papers presented were carefully reviewed and selected from 31 submissions Among the areas addressed are process evolution experiences mobility and distribution UML process patterns and process improvement **Proceedings of International Conference on Systems Science and Engineering (ICSSE '88) : 25-28 July 1988, Beijing, China** Weimin Cheng, 1989 Some 170 papers of the July 1988 meeting survey advances in the main areas of systems science and engineering Areas covered include theoretical and methodical developments applications to population telecommunication transportation and water resource systems optimization multicriteria decision making game theory decision analysis management information and decision support systems Printed in China on acidic paper directly from authors typescripts many of which strain legibility Four papers are printed after the author index while not appearing in the table of contents Sloppy production for a 200 book No subject index Annotation copyrighted by Book News Inc Portland OR **Biology of Tumors: Surfaces, Immunology, and Comparative Pathology** Frederick Becker, 2013-04-17 As was shown in the first

two volumes of this series great strides have been made in identifying many of the agents or classes of substances responsible for carcinogenesis and in delineating their interactions with the cell Clearly the aim of such studies is that once identified these agents can be eliminated from the environment Yet despite these advances and the elimination of some important carcinogenic agents one major problem exists It is a constant monitor of all oncologic study and diminishes the importance of every experiment and of every clinical observation As we noted earlier that problem is our inability to define the malignant cell It is through studies of the fundamental biology of tumors that we seek this definition A vast amount of information has been gathered which describes what this cell does and to a lesser extent how it does it But the why evades us We have been unable to define the malignant cell save in broad terms by comparing it to its normal counterpart The major problem appears to be that the malignant cell does so much It is a chimera mystifyingly composed of normal activities and structures of phenotypic schizophrenia with embryonic fetal and adult characteristics and occasionally a hint of an unclassifiable capacity unique to malignant cells

**Outlook** Alfred Emanuel Smith, Francis Walton, 1872 Proceedings of the 1998 IEEE International Conference on Acoustics, Speech, and Signal Processing, 1998 **Annual Review of**

**Psychology** Calvin Perry Stone, 1958 Publishes original critical reviews of the significant literature and current

developments in psychology *Mathematical Models in Water Pollution Control* A. James, 1978 **Proceedings TENCON**

'93 Baozong Yuan, 1993 ICASSP 84, 1984 *International Directory of Little Magazines & Small Presses* Lenard V.

Fulton, 1978 *The Fair and Responsible Use of Space* Wolfgang Rathgeber, Kai-Uwe Schrogl, Ray A. Williamson, 2011-02-03

As space applications become central to modern interaction more and more entities are becoming involved in space activities Consequently strategies to establish the coordinated ethically justifiable and sustainable conduct of space activities have to be found Such an endeavour requires addressing current questions regarding the use of space dealing with fair rules in orbit and discussing the way towards achieving truly global engagement on space security issues The book outlines the current situation and identifies key challenges from the policy perspective Taking this one step further it also formulates principles and recommendations for global action Nineteen eminent personalities from the space sector have united for this project which is based on a conference organised at the European Space Policy Institute ESPI in November 2008 in Vienna **The**

**Illustrated London News**, 1864 *Physics Briefs*, 1982

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