disha
Nurturing Ambitions

Includes 2016 SA2
OTBA Text Material Analysis

OTBA 9 ANALYSIS

2015-16

• Science • Maths • Social • English • Hindi

3rd Edition

Open Text-Based Assessment

- CBSE Guidelines for OTBA
- 10 Text Materials as provided by the CBSE Board
- Covers cases of 2015 & 2016
- CBSE Sample Questions with Answers & Marking Scheme
- Additional Sample Questions with Explained Answers

disha
Nurturing Ambitions

Includes 2016 SA2
OTBA Text Material Analysis

OTBA 9 ANALYSIS

• Science • Maths • Social • English • Hindi

Open Text-Based Assessment

☛ CBSE Guidelines for OTBA ☛ 10 Text Materials as provided by the CBSE Board
☛ Covers cases of 2015 & 2016 ☛ CBSE Sample Questions with Answers & Marking Scheme
☛ Additional Sample Questions with Explained Answers

- **Head Office :** B-32, Shivalik Main Road, Malviya Nagar, New Delhi-110017
- **Sales Office :** B-48, Shivalik Main Road, Malviya Nagar, New Delhi-110017
  Tel. : 011-26691021 / 26691713

Cases Analysed by : Disha's Research and Content Development Team

DISHA PUBLICATION

ALL RIGHTS RESERVED

© Copyright Publisher

No part of this publication may be reproduced in any form without prior permission of the publisher. The author and the publisher do not take any legal responsibility for any errors or misrepresentations that might have crept in. We have tried and made our best efforts to provide accurate up-to-date information in this book.

For further information about the books from DISHA

Log on to **www.dishapublication.com** or or email to **www.dishapublication.com**

INDEX

Part A

2015-16 Text Material Analysis & Additional Questions

Subject 1 - Science **1 – 32**

1. Handling Drought in our Country **1-16**
2. Conservation of Water Bodies **17-32**

Subject 2 - English **33 – 68**

1. Let's Welcome, Accept and Respect **33-50**
2. Indigenous Games of India **51-68**

Subject 3 - Hindi **69 – 100**

1. पर्यावरण संरक्षण **69-84**
2. महिला सशक्तिकरण **85-100**

Subject 4 - Mathematics **101 – 132**

1. Childhood Obesity in India **101-116**
2. Energy Consumption and Electricity Bill **117-132**

Subject 5 - Social Science **133 – 160**

1. Together We Rise **133-148**
2. Food Security in India **149-160**

Part B

2014-15 Text Material Analysis & Additional Questions

Subject 1 - Science **A-1 – A-40**

1. Understanding the environment of Mars **1-22**
2. Clean India - We mean it! **23-40**

Subject 2 - English **A-41 – A-78**

1. India's Tryst with Mars **41-56**
2. The Cleaning up Campaign Sweeps across the Country **57-76**

Subject 3 - Hindi **A-77 – A-110**

1. स्वास्थ्य **77-94**
2. मंगल पर भारत का मंगलागमन **95-110**

Subject 4 - Mathematics **A-111 – A-148**

1. Atithidevo Bhavah **111-132**
2. Empower to Learn **133-148**

Subject 5 - Social Science **A-149 – A-174**

1. A Story of Two Brothers **149-162**
2. Living on the Edge **163-174**

UNDERSTANDING & PREPARING FOR OTBA

OBJECTIVE OF OTBA:

The main objective of OTBA was to provide opportunities to students in acquiring skills of information processing, comprehension and analysis and finally to relieve students from the burden of mugging up the content.

CBSE recently announced Open Text based Assessment (OTBA) which is similar to having an open book exam. In open book exam you can take your books inside the examination hall whereas in OTBA you are given a textual material in the form of an article, a case study, a diagram, a concept/ mind map, a picture or a cartoon, problem/situation based few months before the exam. The very term 'open book' exam conveys the impression that things are within control and very little preparation is required for the exams. One may think that walking into an examination hall with a book in hand would give more confidence than prolonged hard work and studying. Any student, who has appeared for an open book exam will tell you from his or her experience how foolish that thought was! Usually the very intent of an open book exam is to assess how you will apply the available information to a given situation. For example, through case studies, the aim is to find out how your theoretical knowledge can be used in practical situations in a work place.

In an open book exam you are evaluated on understanding rather than recall and memorization.

You will be expected to

- apply material to new situations
- analyze elements and relationships
- evaluate using your material as evidence
- synthesize, or structure

OTBA would have questions of higher order thinking skills (HOTS) and the questions maybe subjective, creative and open-ended. He further added that the study material may be in the form of an article, a case study, a diagram, a concept or a picture taught in the second term.

The question paper of each main subject will have OTBA section of 10 marks. There will be two to three questions in the section. The questions will be of higher order thinking skills (HOTS) which will require students to apply to the situations given in the article or case study. The questions will be open-ended type which will look at students' ability to think and justify their point of view.

Role of Teachers :

- Teachers are expected to provide a bridge between the theory and practice. The Text/ Case studies are designed to promote active participation of students requiring them to engage in active learning process through discussion, analysis, self-reflection and critical thinking.
- The teachers are expected to assign the text material received from the CBSE to the students in groups so that they can read, and understand it through discussions, view it from different perspectives, brainstorm main ideas in class or even do further research outside the class. The main objective of introducing this element is to provide opportunities to students to apply theoretical concepts to a real life scenario by encouraging active and group learning in the Class.
- The teachers should guide students and provide feedback at regular intervals about their performance during the completion of assigned activities. Since real-life cases or situations are complex and open to different opinions, teachers must be prepared for innovative and open answers from students.

Assessment of Text Material/.Case-Studies :

Depending on the text material/case study supplied to students, the answers will be assessed on a set of assessment rubrics showing the extent of which students were able to do the following:

(i) Understand and apply the concepts to the situational problems.

(ii) Suggest and bring out appropriate solutions/s to the problem/situation.

(iii) Come up with innovative opinions/suggestions.

(iv) Deep analysis based on a wide range of perspectives

What are schools expected to do?

The text/ case-studies/ supplied to schools should be thoroughly read, discussed and analysed by the teachers. If possible, the teachers can organise brainstorming session(s) working on the following:

- Objectives of the Text material/Case-study
- Concepts involved
- Application of concepts to situation
- Description and further explanation of the case/problem
- Higher Order thinking skills involved
- Analysis with different perspectives
- Assessment techniques

The case studies with leading questions should then be assigned to students in groups who would discuss at their level.

The teachers 'are expected to read, discuss and analyse the content.' The teachers must understand the objectives and outcomes of OTBA content. The teachers should assign this text material to their students in groups for further understanding, analysis and discussion.

It is reiterated here that the main objective of introducing OTBA is to relieve the students from the burden of mugging up of content and provide opportunities in acquiring skills of information processing, comprehension, analysis and inference. The teachers should guide them, provide feedback and encourage open responses in solving situations. The text also gives some questions as samples. The teachers should develop more such questions which are based on the given text but require answers through application of concepts, further extrapolation, comparison and inference.

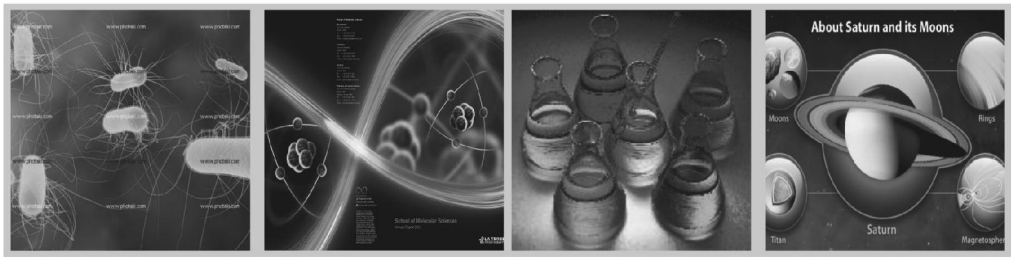
The book "OTBA Analysis Class 9 Science, Maths, Social, English & Hindi" analyses the 10 Text Materials (2 of each subject) provided by the CBSE in the 5 main subjects.

This book is an attempt towards providing the best analyses, discussion activities, questions and answers to the students.

Initially each case has been provided along with sample questions and their outline answers as provided by the CBSE. This is followed by Text Material Analysis and additional questions along with their detailed/ outline answers.

Each and every case has been analysed in great details. Questions covering varied aspects of the text materials have been provided. A lot of thought provoking questions have been designed with higher order thinking skills (HOTS) which will require students to apply to the situations given in the article or case study. The questions will be open-ended type which will look at students' ability to think and justify their point of view?

Team Elevate



Science

CASE 1. THEME – HANDLING DROUGHT IN OUR COUNTRY

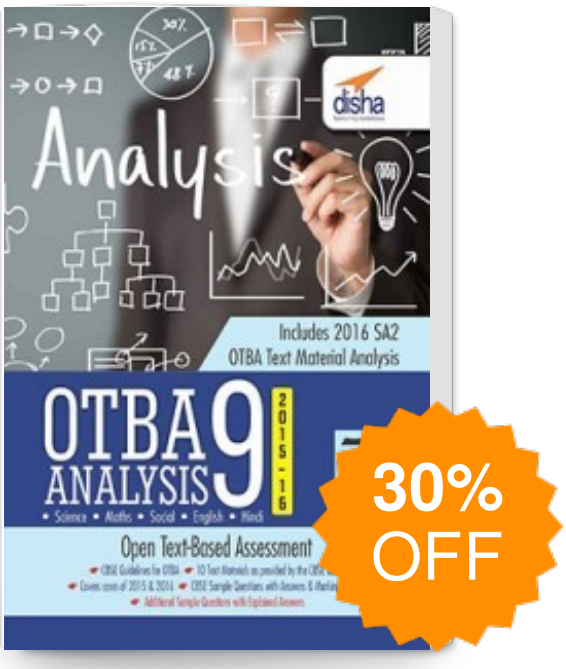
Abstract:

After exploring the content, learning of the students will be enhanced as they will develop the concept of drought as a disastrous climatic anomaly. They will be able to identify; the causes and assess the impact of drought. It will trigger their creativity to devise ways to reduce the impact of drought. It is designed with a view to create awareness through two successful case studies where in constant efforts and determination of people transformed the dry and shattered drought affected areas and brought them back to life.

Waiting for the rain
The farmers' eyes
With shattered hopes
And intense cries
Waiting for the rain
The farmers' plights
With cracked dreams
And weary nights
Waiting for the rain
When the clouds pass dry
Still they wait
The farmers 'eyes .....

How difficult it is even to imagine the problems faced by drought victims: Isn't it?

OTBA Analysis Class 9 Science, Maths, Social, English & Hindi (2015-16) 3rd Edition



Publisher : Disha Publication ISBN : 9789385846496 Author : Disha Publication

Type the URL : http://www.kopykitab.com/product/9047

Get this eBook