



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous)
(ISO/IEC - 27001 - 2005 Certified)

SUMMER – 2023 EXAMINATION
MODEL ANSWER-Only for the Use of RAC Assessors

Subject: Object Oriented Programming Using C++

Subject Code: 22316

Important Instructions to examiners:

- 1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- 2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 3) The language errors such as grammatical, spelling errors should not be given more importance (Not applicable for subject English and Communication Skills).
- 4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
- 5) Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
- 6) In case of some questions credit may be given by judgement on part of examiner of relevant answer based on candidate's understanding.
- 7) For programming language papers, credit may be given to any other program based on equivalent concept.
- 8) As per the policy decision of Maharashtra State Government, teaching in English/Marathi and Bilingual (English + Marathi) medium is introduced at first year of AICTE diploma Programme from academic year 2021-2022. Hence if the students in first year (first and second semesters) write answers in Marathi or bilingual language (English +Marathi), the Examiner shall consider the same and assess the answer based on matching of concepts with model answer.

Q. No	Sub Q.N.	Answer	Marking Scheme
1.	a) Ans.	<p>Attempt any FIVE of the following:</p> <p>Demonstrate the static and dynamic initialization of variables</p> <p>Static initialization Syntax- datatype variable_name=value; Example - int a=5; or int a; a=5;</p> <p>Dynamic initialization Syntax – int a;</p>	<p>10M 2M <i>Static initialization</i> -1M, <i>dynamic initialization</i> -1M</p>

Msbte Model Question Paper For Programming

Anuradha A. Puntambekar



Msbte Model Question Paper For Programming:

Client Side Scripting Anuradha A. Puntambekar, 2020-12-01 JavaScript is an important scripting language for almost every modern web application. It is simple for beginners but complex when you build a full scale application. The book is extremely user friendly. It assumes no programming experience and helps the students to learn the JavaScript in step by step manner with the help of illustrative examples. The first two units cover the fundamental concepts of JavaScript such as variables, operators, control structures, arrays, functions, and strings. In the third unit, the concept of form and event handling is discussed. This feature of JavaScript helps us to design the interactive web page with graphical user interface. In the next subsequent chapter, the book demonstrates how to create and manage cookies, how to create browser history implementation, form validation with the help of regular expressions, creating rollover effects, and creating and handling frames. At the end, the book illustrates creation of banner management of status bar and creation of slideshows using JavaScript. This book serves the purpose of teaching JavaScript in the simplest and easiest manner.

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