

# CBSE CIRCULAR 2023-24



## केन्द्रीय माध्यमिक शिक्षा बोर्ड

‘शिक्षा मंत्रालय भारत सरकार के अधीन एक स्वायत्त संगठन

### CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



CBSE/ACADEMIC/JS(SS)/2023/

6<sup>th</sup> April, 2023

Circular No. Acad-45/2023

All Heads of Institutions affiliated to CBSE

**Subject : Assessment and Evaluation Practices of the Board for the Session 2023-24**

The National Education Policy, 2020 has affirmed the need to move from rote learning to learning more focused on developing the creative and critical thinking capacities of students to meet the challenges of the 21st century proactively. Accordingly, the Board has taken multiple steps towards implementation of Competency Focused Education in schools, ranging from aligning assessment to competencies, development of exemplar resources for teachers and students as well as continuous capacity building of teachers etc.

The Board has released guidelines vide Circular No. Acad- 05/2019 dated 18.01.2019; Circular No. Acad-11/2019 dated 06.03.2019; Circular No. Acad-18/2020 dated 16.03.2020; and Circular No. Acad-57/2022 dated 20.05.2022 to progressively align assessment to the vision of the NEP by including more competency-based questions in the Class X and XII Board examinations.

In continuation to these circulars, the Board is initiating further corresponding changes in the Examination and Assessment practices for the academic session 2023-24 to align assessment to Competency Focused Education. Therefore, in the forthcoming session a greater number of Competency Based Questions or questions that assess application of concepts in real-life situations will be part of the question paper.

The changes for classes IX-XII (2023-24) year-end Board Examinations are as under:

| (Classes IX-X)   |   |   |
|--|---|---|
| Particulars  | Academic Session 2022-23  | Academic Session 2023-24  |
| Composition of question paper year-end examination/ Board Examination (Theory) | <ul style="list-style-type: none"> <li>Competency Based Questions are 40% in the form of Multiple-Choice Questions, Case Based Questions, Source Based Integrated Questions or any other type.</li> <li>Objective Questions are 20%</li> <li>Remaining 40% Questions are Short Answer/ Long Answer Questions</li> </ul> | <ul style="list-style-type: none"> <li>Competency Focused Questions in the form of MCQs/Case Based Questions, Source-based Integrated Questions or any other type = 50%</li> <li>Select response type questions(MCQ) = 20%</li> <li>Constructed response questions (Short Answer/ Long Answer type Questions, as per existing pattern) = 30%</li> </ul> |

| (Classes XI-XII)   |  |  |
|--|--|--|
| Particulars  | Academic Session 2022-23   | Academic Session 2023-24   |
| Composition of question paper year-end examination/ Board Examination (Theory) | <ul style="list-style-type: none"> <li>Competency Based Questions are 30% in the form of Multiple-Choice Questions, Case Based Questions, Source Based Integrated Questions or any other type.</li> <li>Objective Question are 20%</li> <li>Remaining 50% Questions are Short Answer/ Long Answer Questions</li> </ul> | <ul style="list-style-type: none"> <li>Competency Focused Questions in the form of MCQs/Case Based Questions, Source-based Integrated Questions or any other type = 40%</li> <li>Select response type questions(MCQ) = 20%</li> <li>Constructed response questions (Short Answer Questions/Long Answer type Questions, as per existing pattern) = 40%</li> </ul> |

Curriculum document released by the Board for the Academic Session 2023-24 and the Sample Question Papers may also be referred to for details of the QP design of individual subjects. Learning frameworks for various subjects for classes IX-XII are now available at the <https://cbseacademic.nic.in> for reference.

(Dr. Joseph Emmanuel)  
Director (Academics)



‘शिक्षा सदन’, 17 राऊज़ एवेन्यू, इंस्टीट्यूशनल एरिया, नई दिल्ली-110002  
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002



फोन/Telephone: 011-23212603 वेबसाइट/Website:<http://cbseacademic.nic.in> मेल/e-mail: directoracad.cbse@nic.in

# CBSE CIRCULAR 2023-24



केन्द्रीय माध्यमिक शिक्षा बोर्ड  
(शिक्षा मंत्रालय भारत सरकार के अधीन एक स्वायत्त संगठन)

CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



F.1001/CBSE-Acad/Curriculum/2023

March 31, 2023

Cir No: Acad-39/2023

All Heads of Institutions affiliated to CBSE

**Subject : Secondary and Senior School Curriculum and Sample Question Papers for the session 2023-24**

1. CBSE annually provides the curriculum for classes IX to XII containing academic content, syllabus for examinations with learning outcomes, pedagogical practices, and assessment guidelines.
2. It is important that schools ensure curriculum transactions as per the directions given in the initial pages of the Curriculum document. The subjects should be taught as per the curriculum given by suitably incorporating strategies such as Art-Integrated Education, Experiential Learning, Pedagogical Plans, etc. wherever possible.
3. As CBSE has adopted National Curriculum Framework for Foundational Stage – 2022, schools offering foundational or preparatory education are advised to adhere to the recommendations regarding curriculum, pedagogy, assessment, and other areas described in detail in the NCFFS-2022 and guidelines of the Board issued from time to time.
4. Sample Question Papers with detailed designs of the Question Paper are also available on CBSE's website to reflect the impact of changes made in the curriculum. SQPs also provide students with an idea of the exam pattern and the type of questions that may be asked in the actual examination in order to ensure transparency and reduce stress. Students will also get a clear understanding of the weightage of different topics and the marking scheme to be followed by going through these Sample Question Papers.

Schools are requested to share the Curriculum and Sample Question Papers available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in) at the given links, with all students and teachers –

- Secondary & Senior Secondary School Curriculum –  
[https://cbseacademic.nic.in/curriculum\\_2024.html](https://cbseacademic.nic.in/curriculum_2024.html)
- Sample Question Papers – Secondary –  
[https://cbseacademic.nic.in/SQP\\_CLASSX\\_2023-24.html](https://cbseacademic.nic.in/SQP_CLASSX_2023-24.html)
- Sample Question Papers – Senior Secondary –  
[https://cbseacademic.nic.in/SQP\\_CLASSXII\\_2023-24.html](https://cbseacademic.nic.in/SQP_CLASSXII_2023-24.html)

(Dr. Joseph Emmanuel)  
Director (Academics)



'शिक्षा सदन', 17 राऊज़ एवेन्यू इंस्टीटूशनल एरिया, नई दिल्ली-110002  
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002



# Syllabus

## Computer Applications (Issued by CBSE on 31<sup>st</sup> March 2023)

Class - X (Code No. 165)

Latest Syllabus [2023-24]

### Learning Outcomes

Ability to create a simple website

1. Ability to embed images, audio and video in an HTML page
2. Ability to use style sheets to beautify the web pages.
3. Ability to Interface a web site with a web server and record the details of a user's request.
4. Ability to follow basic cyber ethics
5. Ability to familiarize with network concepts.

### Distribution of Marks and Periods

| Unit No. | Unit Name    | Marks | Periods |           |
|----------|--------------|-------|---------|-----------|
|          |              |       | Theory  | Practical |
| 1.       | Networking   | 15    | 17      | 05        |
| 2.       | HTML         | 25    | 30      | 50        |
| 3.       | Cyber ethics | 10    | 08      | 10        |
| 4.       | Practicals   | 50    | -       | -         |
|          | Total        | 100   | 55      | 65        |

### Unit 1 : Networking

- **Internet:** World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site.
- **Internet protocols:** TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP.
- **Services available on the internet:** information retrieval, locating sites using search engines and finding people on the net;
- **Web services:** chat, email, video conferencing, e-Learning, e-Banking, e-Shopping, e-Reservation, e-Governance, e-Groups, social networking.
- **Mobile technologies:** SMS, MMS, 3G, 4G.

### Unit 2 : HTML

- **Introduction to web page designing using HTML:** create and save an HTML document, access a web page using a web browser.
- **HTML tags:** html, head, title, body, (attributes: text, background, bgcolor, link, vlink, alink), br (break), hr(horizontal rule), inserting comments, h1..h6 (heading), p (paragraph), b (bold), i (italics), u (underline), ul (unordered list), ol (ordered list), and li (list item). Description lists: dl, dt and dd. Attributes of ol (start, type), ul (type).

# Syllabus

- Font tags (attributes: face, size, color).
- **Insert images:** img (attributes: src, width, height, alt), sup (super script), sub (subscript).
- **HTML Forms:** Textbox, radio buttons, checkbox, password, list, combobox.
- Embed audio and video in a HTML page.
- **Create a table using the tags:** table, tr, th, td, rowspan, colspan
- **Links:** significance of linking, anchor element (attributes: href, mailto), targets.
- **Cascading style sheets:** colour, background-colour, border-style, margin, height, width, outline, font (family, style, size), align, float.

## Unit 3: Cyber ethics

- Netiquettes.
- Software licenses and the open source software movement.
- Intellectual property rights, plagiarism and digital property rights.
- Freedom of information and the digital divide.
- E-commerce: Privacy, fraud, secure data transmission.

## Unit 4: Lab Exercises

- Create static web pages.
- Use style sheets to enforce a format in an HTML page (CSS).
- Embed pictures, audio and videos in an HTML page.
- Add tables and frames in an HTML page.
- Decorate web pages using graphical elements.
- Create a website using several webpages. Students may use any open source or proprietary tool.
- Work with HTML forms: text box, radio buttons, checkbox, password, list, combo box.
- Write a blog using HTML pages discussing viruses, malware, spam and antivirus.
- Create a web page discussing plagiarism. List some reported cases of plagiarism and the consequent punishment meted out. Explain the nature of the punishment in different countries as per their IP laws.

### Breakup of marks for the Practicals :

| S.No. | Unit Name  | Marks     |
|-------|--|-----------|
| 1.    | Lab Test (20 marks)  |           |
|       | HTML (design one web page based on a diagram)                                | 20        |
| 2.    | Report File + viva (20 marks)  |           |
|       | Report file: At least 10 HTML pages, and at least 5 Scratch/Python programs. | 15        |
|       | Viva voce (based on the report file)   | 5         |
| 3.    | Project (that uses most of the concepts that have been learnt)               | 10        |
|       | <b>Total</b>   | <b>50</b> |

