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केन्द्रीय माध्यमिक शिक्षा बोर्ड

;मानव संसाध्न विकास मंत्रालय, भारत सरकार, के अधीन एक स्वायत्त संगठनद्ध
शिक्षा सदन, 17, इन्सटिट्यूशनल क्षेत्रा, राउज एवेन्यु, दिल्ली–110002.

# CENTRAL BOARD OF SECONDARY EDUCATION

*(An Autonomous Organization under the Union Ministry of Human Resource Development, Govt. of India)*

**"Shiksha Sadan", 17, Institutional Area, Rouse Avenue, New Delhi-110002.**

**CBSE/Dir-Arti/2015/** **March 31, 2015**

**Circular No. Acad.-18/2015**

To

All Heads of Schools affiliated to CBSE

**Sub: Highlights of Curriculum Document 2015-16 for the examination to be held in March, 2016**

Dear Principal,

The Board has published Secondary and Senior School Curriculum Documents which are in effect for **both** the classes IX-X and XI-XII **simultaneously** from the current academic session 2015-16. It is notified that the latest curriculum documents for the academic year 2015-16 are available at the following links:

**For classes IX and X**

Secondary School Curriculum 2015-16: Main Subjects/ Volume - I

Secondary School Curriculum 2015-16: Languages/ Volume - II

**For classes XI and XII**

Senior School Curriculum 2015-16 : Main Subjects/ Volume - I

Senior School Curriculum 2015-16 : Languages/ Volume - II

Senior School Curriculum 2015-16 : Volume - III

**Schools are advised to follow the new updated document i.e. Secondary Curriculum-2015-16 and Senior Secondary Curriculum 2015-16 available at above links for all subjects**. Printed copies of the same can also be purchased from the book stores at various regional offices of the Board. The comparative highlights of changes wherever applicable have been prepared by comparing the **Curriculum 2014-15** (printed in 2014) with the **Curriculum 2015-16** (printed in 2015). The highlights for class X are given as Annexure A and for class XII as Annexure B.

The above information may be brought to the notice of all concerned teachers, students and parents. In case of any further query you may contact Shri Al Hilal Ahmed, Joint Director, at 23237780 or mail aeoasedof@gmail.com or Ms Neha Sharma, Deputy Director at 23237779 or mail nehasharma.cbse@gmail.com

Yours sincerely,

**S/d-**

**(Dr Sadhana Parashar)**

Director (Academics, Research, Trainings and Innovations)

## Distribution:

**Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:**

1. *The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, New Delhi-110016.*
2. *The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309.*
3. *The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054.*
4. *The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160 017.*
5. *The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101.*
6. *The Director of School Education, Govt. of Arunachal Pradesh, Itanagar –791 111*
7. *The Director of Education, Govt. of A&N Islands, Port Blair - 744101.*
8. *The Director of Education, S.I.E., CBSE Cell, VIP Road, Junglee Ghat, P.O.744103, A&N Islands*
9. *The Secretary, Central Tibetan School Administration, ESS Plaza, Community Centre, Sector 3 Rohini, Delhi-110085.*
10. *All Regional Directors/ Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions.*
11. *All Associate Professor & Additional Directors/ Advisors/ Consultants*
12. *All Additional Director/ Joint Director/ Deputy Director/ Assistant Director, Vocational Cell, CBSE*
13. *The Research Officer (Technology) with the request to put this circular on the CBSE websites.*
14. *All Assistant Professor & Joint Directors, CBSE*
15. *All Assistant Professor & Deputy Directors, CBSE*
16. *The Deputy Director (Examination & Reforms), CBSE*
17. *The Assistant Librarian, CBSE*
18. *The Public Relations Officer, CBSE*
19. *The Hindi Officer, CBSE*
20. *PS to Chairman, CBSE*
21. *PS to Secretary, CBSE*
22. *SO to Controller of Examinations, CBSE*
23. *PS to Director(Special Exams and CTET), CBSE*
24. *PA to Professor & Director (Academics, Research, Training & Innovation), CBSE*
25. *PA to Director (Information Technology)*
26. *PA to Director (EDUSAT)*

## Director (Academics, Research, Trainings and Innovations)

**Annexure A**

**Class IX-X**

| **Secondary Curriculum 2014-15** | **Secondary Curriculum 2015-16** |
|---|---|
| **English Communicative (SA 1 and SA 2)**<br>(Code-101) | **No Change** |
| **English L&L (SA 1 and SA 2)** ( Code-184)<br>Section C:<br>Literature & Long Reading Text<br>Q 8 | One out of two extracts from **prose/ poetry / play** for reference to context. Three very short answer questions. One mark in each extract will be for vocabulary. One question will be used for testing local and global comprehension and one question will be on interpretation. **3 marks** |
| हिन्दी 'अ' (कोड 002)<br>प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप (पृष्ठ – 56) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप में बदलाव (पृष्ठ – 62)<br>अंक वितरण का विवरण (पृष्ठ – 54,55) |
| हिन्दी 'ब' (कोड 085)<br>प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप (पृष्ठ – 71) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप में बदलाव (पृष्ठ – 81)<br>अंक वितरण का विवरण (पृष्ठ – 73,74) |
| **Science SA 2** (Code-086/090) | **No change** |
| **Social Science** (Code-087)<br><br>**Class IX**<br><br>**Note:** The text of **OTBA** for SA-II will be from Unit-IV; Understanding Economic Development-I (Chapter-3: Poverty as a Challenge facing India) for 2014-2015. | **Social Science** (Code-087)<br>**Class IX**<br><br>**Note:** The text of **OTBA** for SA-II will be from Unit-IV; Economics (Chapter-4: Food Security in India) for 2015-2016. |

**Annexure B**

**Classes XI-XII**

| Subject | Curriculum 2014-15 (Printed in 2014) | Curriculum 2015-16 final for the examination to be held in March 2016 |
|---|---|---|
| English Elective CBSE Code(101) | Short Answer Questions: Based on different **prose / drama / poetry / pieces** from the Literature Reader; to test local and global comprehension of ideas and languages used in the text. | Short Answer Questions: Based on different **prose / drama / poetry** pieces from the Literature Reader; to test local and global comprehension of ideas and languages used in the text. |
| हिन्दी ऐच्छिक (कोड 002) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप (पृष्ठ – 90) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप में बदलाव (पृष्ठ – 93)<br>अंक वितरण का विवरण (पृष्ठ – 91) |
| हिन्दी आधार (कोड 302) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप (पृष्ठ – 83) | प्रश्नपत्र का प्रश्नानुसार विश्लेषण एवं प्रारुप में बदलाव (पृष्ठ – 85)<br>अंक वितरण का विवरण (पृष्ठ – 83) |
| **History Class XI(027)** | Topic 3- From the Beginning of Time<br>Focus: Africa , Europe till 15000 BC<br>C. Historian's views on present day hunting – gathering society | Topic 3- From the Beginning of Time<br>Focus: Africa , Europe till 15000 **BCE**<br>C. Historian's views on present day **gathering-hunting** society |
| | Topic 4- Early Cities<br>Focus: Iraq. 3rd millennium BC | Topic 4- Early Cities<br>Focus: Iraq. 3rd millennium **BCE** |
| **Political Science Class XII(028)** | Topic 13- India's nuclear programme and shifting alliances in world politics. | Topic 13- India's nuclear programme.<br>Shifting alliances in world politics. |
| | Topic 18- NDA, UPA-I, 2004 and UPA-II 2009 government. | Topic 18- Coalition Governments: NDA (1998-2004), UPA-(2004-2014), NDA (2014 onwards) |
| **Sociology Class XI(039)** | Project -7 Marks | **Project -10 Marks** |
| | Vice-Voce based on project- 5 Marks | **Vice-Voce based on project- 2 Marks** |
| | Research design-8 Marks | **Research design-8 Marks**<br>Research Design to include steps of Research (e.g. observation, interview, content analysis) to be explained to students and questions accordingly raised. |
| **Geography (029)** | **Unit-6 Ch. 1 to 4**<br>**i** States having largest and smallest area.<br>**ii** States having largest and smallest population.<br>**iii** States having highest and lowest density of population.<br>**iv** States having highest and lowest growth rate of | **Unit-6 Ch. 1 to 4**<br>• One highly urbanised state one poorly.<br>• One state higher level of HDI & One lower level of HDI.<br>• State with higher level of pop pressure on land & one state lover level of pop pressure on land.<br>• One out migrating state.<br>• One in migrating state. |

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| | population 2001-2011.<br>**v** States having highest and lowest rural population.<br>**vi** States having highest and lowest urban population.<br>**vii** States having highest and lowest participation rate.<br>**viii** States having highest and lowest literacy rate.<br>**ix** States having highest and lowest female literacy rate.<br>**x** State having highest percentage of population below poverty line.<br>**xi** State at the top in human development index.<br>**xii** 53 top ten Metropolitan cities (2011). | • One state with higher gender ratio & one with lower gender ratio.<br>• Any 10 million plus cities. |
| **Economics (030)** | **Class XI**<br>Part B<br>5. Current Challenges facing Indian Economy (OTBA)<br>(10 Marks)<br><br>6. Development Experience of India - A Comparison with Neighbours<br>(15 Marks)<br><br>**Note**: The question paper will include a Section on Open Text Based Assessment (OTBA) of 10 marks from unit-5 of Part-B.<br><br>relative dispersion (co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation)<br><br>Lorenz Curve: Meaning and its application<br><br>the students will do two comprehensive projects using concepts from both part A and part B. | **Class XI**<br>Part B<br>5. Current Challenges facing Indian Economy **(Pg.241)**<br>(15 Marks)<br><br>6. Development Experience of India - A Comparison with Neighbours **(OTBA) (Pg.241**)<br>(10 marks)<br><br>**Note**: The question paper will include a Section on Open Text Based Assessment (OTBA) of 10 marks from **unit-6** of Part-B. **(Pg.241)**<br><br>relative dispersion (**co-efficient of range**, co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation) **(Pg.242)**<br><br>Lorenz Curve: Meaning, **construction** and its application. **(Pg.243)**<br><br>the students will do only **one comprehensive project** using concepts from both part A and part B. **(Pg.244)**<br><br>**Note:** There will be **Internal Choice** in questions of 3 marks, 4 marks and 6 marks in both sections (A and B)**.** (Total 3 internal |

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| | **Class XII**<br>demand curve<br><br>Production function<br>-<br><br>Revenue - total, average and marginal revenue.<br>supply curve<br><br>Problems of excess demand and deficient demand; measures to correct them - change in government spending, availability of credit.<br><br>**Application**<br>Very short Answer MCQ (1 Mark) – no question<br>Short Answer (3 Marks) – 2 questions<br><br>**High Order Thinking Skills**<br>Very short Answer MCQ (1 Mark) – 2 questions (8x1=8)<br>Short Answer (3 Marks) – 2 questions (8x3=24)<br>Short Answer (4 Marks) – no question (5x4=20)<br>Total 100 (29) | choices in section A and total 3 internal choices in section B). **(Pg.244)**<br>**Class XII**<br>demand curve **and its slope (Pg.245)**<br><br>Production function – **Short-Run and Long-Run (Pg.246)**<br><br>**Average cost (Pg.246)**<br><br>Revenue - total, average and marginal revenue - **meaning and their relationship**. **(Pg.246)**<br>supply curve **and its slope (Pg.246)**<br><br>Problems of excess demand and deficient demand; measures to correct them - changes in government spending, **taxes and money supply**. **(Pg.247)**<br><br>**Application**<br>Very short Answer MCQ (1 Mark) – **3 questions**<br>Short Answer (3 Marks) – **1 question (Pg.248)**<br><br>**High Order Thinking Skills**<br>Very short Answer MCQ (1 Mark) – **1 question** (10x1=10)<br>Short Answer (3 Marks) – **1 question** (6x3=18)<br>Short Answer (4 Marks) – **1 question** (6x4=24)<br>**Total 100 (30) (Pg.248)**<br><br>**Note:** There will be **Internal Choice** in questions of 3 marks, 4 marks and 6 marks in both sections (A and B)**.** (Total 3 internal choices in section A and total 3 internal choices in section B). |
| **Graphic Design (071)** | **Question paper design**<br>• **MCQ**<br><br>**Application Based-** Number of SA questions-0 , Number of LA-I questions- 1, Total Marks-5, % Weightage- 7%<br><br>**Evaluation and Multi- disciplinary** | **Question paper design (Page 452,457)**<br>• **VSA**<br><br>**Application Based-** Number of SA questions- 2, Number of LA-I questions- 2, Total Marks- 16, % Weightage- 23%<br><br>**Evaluation Based-** Number of SA questions- 2, Number of LA-I questions- 1, Total Marks-19, |

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| | **Based-** Number of SA questions- 4, Number of LA-I questions- 2, Total Marks-30, % Weightage- 44%<br>Portfolio & Project work- 10 Marks.<br>**Total Marks for practical-20.** | % Weightage- 28%<br><br>**Portfolio is a part of practical**.<br>**Total Marks for practical-30**.<br>**(Page 451, 455)** |
| **Mathematics (041)** | **Class XI**<br>**Unit-I: Sets and Function**<br>**Sub unit-2: Relations & Functions:**<br><br>**Unit-VI: Statistics and Probability**<br>**Sub unit-1: Statistics**<br><br>**Question Paper Design (XI-XII)**<br><br>**Understanding Based -** Number of LA-II questions- 1, Total Marks-16,<br>% Weightage- 16%<br><br>**Application Based -** Number of LA-I questions-3 , Total Marks-25,<br>% Weightage- 25%<br><br>**HOTS-** Number of LA-II questions- 2, Total Marks-21, %weightage-21%<br><br>**Evaluation and Multi- disciplinary Based -** Number of LA-I questions- 3, Total Marks-18, % Weightage- 18% | **Class XI**<br>**Topic(s) Added :**<br>Domain and range of exponential, logarithmic function **(Page 95)**<br><br>**Topic Added:**<br>Range **(Page 97)**<br><br>**Question Paper Design(XI-XII)**<br>**(Page 98,103)**<br><br>**Understanding Based -** Number of LA-II questions- 2, Total Marks-22,<br>% Weightage- 22%<br><br>**Application Based -** Number of LA-I questions-4, Total Marks-29,<br>% Weightage- 29%<br><br>**HOTS-** Number of LA-II questions- 1, Total Marks-15, %weightage-15%<br><br>**Evaluation Based -** Number of LA-I questions- 2, Total Marks-14, % Weightage- 14% |
| **Engineering Graphics (046)** | **Class-XI**<br>Practical:<br>Note:<br>1. In all the practical drawing/sketching of the views should be incorporated and evaluated accordingly<br><br>**Class-XII**<br>Unit-2 : Machine Drawing<br>**NOTE:**<br>1. In all Assembly drawings, half sectional front view will be asked. Side/End view or Top View/Plan will be drawn without section.<br>2. In all the Dis-assembly drawings (asterix * marked only), only two orthographic views (one of the two views may be half in section or full in section) of any two parts. | **Class-XI**<br>Practical:<br>Note:<br>1. 20 activities (minimum two each from aforementioned seven points) are to be assessed **(Page 168)**<br>2. In all the practical drawing/sketching of the views should be incorporated and evaluated accordingly.<br>**Class-XII**<br>Unit-2 : Machine Drawing **(Page 170)**<br>**NOTE:**<br>1. In all Assembly drawings, half sectional front view will be asked. Side/End view or Top View/Plan will be drawn without section.<br>2. In all the Dis-assembly drawings, only two orthographic views (one of the two views may be half in section or full in section) of any two parts. |

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| | 3. (a) In all sectional views, hidden lines / edges are not to be shown.<br>(b) In all full views, hidden /edges are to be shown.<br>1. Bearings<br>* (i) Open-Bearing<br>* (ii) Bushed-Bearing<br>(iii) Footstep-Bearing (only sectional front-view will be asked)<br>(iv) Simple Plummer-Block (only sectional front view will be asked with only round brasses).<br>2. Rod-Joints<br>* (i) Cotter-joints for circular-rods (socket and spigot joint)<br>(ii) Cotter-joints for round-rods (sleeve and cotter joint)<br>(iii) Cotter-joints for square rods (Gib and cotter-joint)<br>(iv)Knuckle-joints (only sectional front view will be asked)<br>3. Tie-rod and Pipe-joint<br>*(i) Turnbuckle<br>*(ii) Flange pipe joint<br>4. Couplings<br>(i) Unprotected Flange Coupling (having socket and spigot arrangement)<br>*(ii) Protected Flange Coupling<br>5. Pulleys<br>(i) Solid cast Iron Pulley (upto 200 mm diameter) having solid web<br>*(ii) Single groove V-belt pulley (up to 200 mm diameter) | 3. (a) In all sectional views, hidden lines / edges are not to be shown.<br>(b) In all full views, hidden /edges are to be shown.<br>1. Bearings<br>(i) Open-Bearing<br>(ii) Bushed-Bearing<br>2. Rod-Joints<br>(i) Cotter-joints for circular-rods (socket and spigot joint)<br>(ii) Cotter-joints for round-rods (sleeve and cotter joint)<br>(iii) Cotter-joints for square rods (Gib and cotter-joint)<br>3. Tie-rod and Pipe-joint<br>(i) Turnbuckle<br>(ii) Flange pipe joint<br>4. Couplings<br>(i) Unprotected Flange Coupling (having socket and spigot arrangement)<br>(ii) Protected Flange Coupling |
| **Psychology (Code No. 037)** | | The Committee of Courses of Psychology subject has decided to adopt the format of the NCERT textbook and therefore each topic has been renamed as per the NCERT textbooks. For detailed Curriculum document 2015-16 may be referred to.<br>The content titled- '*Application of Psychology to following areas: Sports, Education, Communication*'- from the CBSE supplementary reading material has not been included in the curriculum.<br><br>Since some components of the curriculum seem irrelevant or age-inappropriate and are also not a part of the NCERT textbook, thus, they have been removed from the curriculum |

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<tr>
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<td>document:<br>• Class XI- Globalization<br>- Diversity and Pluralism in the Indian Context<br>- Brain & Memory<br>• Class XII- Internet addiction<br>- Prevention of mental disorders<br>The weightage of each unit has also been specified rather than clubbing them<br><br>Further, the domain of ‘Evaluation and Multi-Disciplinary’ has been modified to ‘Evaluation’ in the question paper design.</td>
</tr>
<tr>
<td>Physics(042)</td>
<td>Class XI<br>Unit wise distribution of the Course Structure<br>Class XII<br>Unit wise distribution of the Course Structure<br>Unit III<br>Magnetic Effects of Current and Magnetism<br>Straight and toroidal solenoids<br><br>Unit V<br>Electromagnetic Waves<br>Need for : displacement current</td>
<td>Class XI<br>Unit wise distribution along with the specific Chapters of NCERT textbooks included therein<br>Class XII<br>Unit wise distribution along with the specific Chapters of NCERT textbooks included therein<br>Unit III<br>Magnetic Effects of Current and Magnetism<br>Chapter 4 – Moving Charges and Magnetism<br>Straight and toroidal solenoids (only qualitative treatment) [Page No. 115]<br>Unit V<br>Electromagnetic Waves<br>Chapter 8 – Electromagnetic Waves<br>Basic idea of : displacement current<br>[Page No. 116]</td>
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<tr>
<td>Biology (044)</td>
<td>Class XI<br>Weightage to different units
<table>
<tr><th>Unit</th><th>Title</th><th>Marks</th></tr>
<tr><td>Unit I</td><td>Diversity in living organisms</td><td>10</td></tr>
<tr><td>Unit II</td><td>Structural oragnisation in Plants & Animals</td><td>11</td></tr>
<tr><td>Unit III</td><td>Cell:Structure and Function</td><td>15</td></tr>
<tr><td>Unit IV</td><td>Plant Physiology</td><td>17</td></tr>
<tr><td>Unit V</td><td>Human Physiology</td><td>17</td></tr>
<tr><td></td><td>Total</td><td>70</td></tr>
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Note: The question paper of the year</td>
<td>Class XI<br>Weightage to different units
<table>
<tr><th>Unit</th><th>Title</th><th>Marks</th></tr>
<tr><td>Unit I</td><td>Diversity in living organisms</td><td>07</td></tr>
<tr><td>Unit II</td><td>Structural oragnisation in Plants & Animals</td><td>11</td></tr>
<tr><td>Unit III</td><td>Cell:Structure and Function</td><td>15</td></tr>
<tr><td>Unit IV</td><td>Plant Physiology</td><td>17</td></tr>
<tr><td>Unit V</td><td>Human Physiology (A)*<br>(Section for OTBA)<br>Human physiology (B)</td><td>10+10</td></tr>
<tr><td></td><td>Total</td><td>70</td></tr>
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Note: the question paper of the year end</td>
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| | end examination to be held in the March 2015 will include a Section on Open Text Based Assessment (OTBA) which will include questions of a total of 10 marks. No other questions will be asked from the unit earmarked for OTBA. The open text material will be supplied in advance. This material is designed to test the analytical and higher order thinkinh skills of students.<br>* This unit will be tested through OTBA only. | examination to be held in March 2016 will include a Section on Open Text Based Assessment (OTBA) which will include questions of a total of 10 marks. No other questions will be asked from the section of the unit earmarked for OTBA. The Open text material will be supplied in advance. This material is designed to assess the analytical and higher order thinking skills of students.<br>*This Section will be assessed through OTBA only.<br>Page No 143 |
| | **Class XI**<br>Practical Examination for visually impaired students<br>B.<br>3. Differentiate between monocot and dicot plants by counting the number of cotyledons | **Class XI**<br>Practical Examination for visually impaired students<br>B.<br>3. Differentiate between monocot and dicot plants on the basis of venation patterns Page No 148 |
| | **Class XI & XII**<br>Chapter names as per NCERT textbooks are not mentioned. | **Class XI & XII**<br>Chapter names (including sequence) of different units are mentioned with the detailed syllabus as per NCERT text books. Page No 144 onwards/152 onwards |
| **Multimedia Class XI(067)** | Learning outcomes and competencies were separate.<br><br>Unit 1<br><br>Unit 2<br><br>Unit 3:<br>variant data types were present<br><br>Practical Section | Learning Objectives and Competencies developed as mentioned in previous curriculum are merged into learning outcomes. (Page No 225)<br><br>In Unit 1under Utility Software: Font converter especially for Indian Languages is also included. (Page No 226)<br><br>Unit 2:<br>under basic concepts: physical tags and logical tags are also included.<br>under developing DTD pt. regarding viewing XML on a web browser is also added<br>(Page No 227 and 229)<br><br>Unit 3:<br>in place of VB Script : Java Script is included and 1 D array, variant data types are deleted. (Page No 229)<br><br>In Practical Section under Practical File : Crime against poor community or How can I serve my country is deleted.<br>Information w.r.t Restaurant deleted and |

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| | | changes with e shopping and billing<br>Note added w.r.t: Project development<br>“Project development may be in groups. Projects should be in terms of originality, aesthetic innovative and technical”.<br>Pt 2 added as “Teacher will access the project as average of the group and her own assessment is also included”. (Page No 231) |
| **Multimedia Class XII(067)** | Table<br><br>Unit 4<br>Health care was there | Table appended (Page No 233)<br><br>In Unit 4 Multimedia : FLV is added<br>In Multimedia Application:<br>health care is replaced by tele medicine etc. |
| **Informatics Practices Class XI(065)** | Learning objectives and Competencies developed were separate.<br><br>Unit 1<br><br>Unit 2<br><br>UNIT 4<br><br>Practical Section<br><br>Unit 4 | Learning Objectives and Competencies developed as mentioned in previous curriculum are merged into learning outcomes (Page No 213)<br><br>In Unit 1:<br>Encoding Scheme: ASCII, ISCII & UNICODE is also included. (Page No 213)<br><br>Unit 2:<br>Net beans is also included under Getting started with programming using IDE (Page No 214)<br><br>Unit 4:<br>IT Applications: net banking, Mobile Banking and MOOCs is also included. (Page No 215)<br><br>Class XI Practical Section : appended (Page No 216)<br><br>In Unit 4 :under Practical Record file : At least 2 applications using at least two productivity tools in each is also included as pt. 1<br>under Viva Voce following pts added<br>➢ Questions may be case based requiring Problem Solving Skills.<br>➢ LA questions may be case based requiring problem finding and problem solving skills<br>(Page No 220) |
| **Informatics Practices Class XII(065)** | Unit 1<br><br>Unit 3 | In Class XII: Unit: 1 Computer networking: Remote Access Software such as Team Viewer and Inscript is also included under this chapter. (Page No 217)<br><br>In Unit 3 |

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| | | Under Database fundamentals: intersection is also included. (Page No 218) |
| | Practical Table | Class XII: Practical table is appended (Page No 219) |
| | Practical record file | In practical record file :<br>Network configuration and open source software used in your school is also included as pt 1. (Page No 219) |
| | Appendix B | In Appendix 'B' : Students may be encouraged for collaborative Programming and remote trouble shooting. (Page No 227) |
| **Computer science Class XI(083)** | Unit 3(Python) | Python Unit 3: Functions chapter modified (Page No 199) |
| | Unit 4 (Python) | Python Unit 4: Consonants, lists of arguments, composition and operators are also included (Page No 200) |
| | Python Practical file | In Python Practical file:<br>Programs in tuple and dictionary manipulation added<br>1 mark is for innovating while developing programmes is also included. (Page No 210) |
| | C++ Theory table | C++ Theory table appended |
| | | ➢ Inbuilt Functions table appended Page No<br>➢ In structured Data type word Introductory is replaced by introduction<br>(Page Number 201,202) |
| | C++ Practical Section | ➢ C++ Practical Section Numbers, Array and Structure added<br>➢ Memory game, a number guessing game with application of 2 dimensional arrays containing randomly generates numbers in pairs hidden inside boxes is also included.<br>➢ Cross's knots Game: A regular tic tac toe game is also included.<br>➢ In Practical file: array manipulation (1D & 2d) and programs on structures is also included. (Page No 204) |
| **Computer Science Class XII(083)** | Python Theory table | Python Theory table appended. (Page No 205) |
| | Unit 1 & Unit 2 | Unit 1 and unit 2 interchanged (Page No 205) |
| | Python Practical | In python Practical's under practical file and viva voce marks weightage is changed (Page No 208) |
| | C++ Practical | In C++ Practical<br>Following changes made:<br>A digital circuit diagram (after reduction using K maps) to be given during the examination. The question must be written in the answer |

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| | | sheet. Is also added as pt 3 and 6 (Page No 212) |
| **Accountancy (Code No. 055)** | **Class XI**<br>**Unit 2: Accountancy Process and Special Accounting Treatment**<br>**Unit 5: Computers in Accounting**-Scope<br>**Suggested Question Paper Design**<br><br>**Class XII**<br>**Unit 1: Accounting for Partnership Firms.**<br>Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio. Accounting for revaluation of assets and re-assessment of liabilities and treatment of reserves and accumulated profits.<br><br>**Unit 2: Accounting for Companies**<br>**Accounting for Share Capital:**<br>……issue at par and at premium and at discount.<br><br>**Unit 3: Analysis of Financial Statements**<br>Financial Statements of a Company: As per Schedule VI of the Companies Act 1956.<br><br>**Suggested Questions Paper Design** | Supporting Vouchers, Debit Note and Credit Note added under Origin of Transactions.<br>In place of tally, any appropriate accounting software may be used to help students learn basic accounting operations on computer.<br>- Slight changes in % weightings to different learning levels.<br>- 1 mark questions will have very short answer questions only.<br>- All 8 marks questions will have internal choice.<br>- Category 5 will include evaluation skills only.<br><br>Change in the Profit Sharing Ratio among the existing partners – sacrificing ratio, gaining ratio. Accounting for revaluation of assets and re-assessment of liabilities and treatment of reserves and accumulated profits. Preparation of revaluation account and balance sheet.<br><br>**Accounting for Share capital:**<br>……issue at par and at premium.<br>***Note added:*** Related sections of the Indian Companies Act, 2013 will apply.<br>**Unit 3: Analysis of Financial Statements.**<br>Financial Statements of a Company: As per Schedule III of the Companies Act, 2013.<br>• Slight changes in % weightings to different learning levels.<br>• 1 mark questions will have very short answer questions only.<br>• All 8 marks questions will have internal choice.<br>• Category 5 will include evaluation skills only. |