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| **WEEKLY PLAN**  **Indian School Al WadiAl Kabir – Syllabus break up for August 2018 to March 2019**  **Engineering Graphics** | | | | | |
| **Class 11**  **EG** | **Week1 (1-2)** | **Week2 (5-9)** | **Week3 (12-16)** | **Week4 (19-23)** | **Week5(26-30)** |
| **AUGUST**  **( 1-30)**  **THEORY** | Submission and checking of holiday assignments.  **Unit 4:Orthographic projections of regular solids.**  Introduction:  Explanation of four quadrants | Points  Lines  Views of an object.  Orthographic projection  Standard method of orthographic projection | Projection of points,lines and plane figures in 1st and 3rd angle method of projections.  Introduction to orthographic projection of Regular solids.. | Definitions  Vertical prisms  Vertical pyramids  Horizontal solids with axis at right angles to V.P.  Horizontal solids with axis parallel to V.P. | Solids inclined to V.P.  Solids inclined to H.P.  Frustums of solids.  Location of a point  Auxiliary projection. |
| **Practicals**  **(1-30)** |  | Development of surfaces with chart papers.  Development of Prisms:Square prism | Development of surfaces with chart papers.  Development of Prisms:Cube | Development of surfaces with chart papers.  Development of Prisms:cuboid | Development of surfaces with chart papers.  Development of Prisms:Triangular Prism. |
| **SEPTEMBER**  **(2-30)** | **Week 1(2-6)** | **Week2 (9-13)** | **Week 3 (16-20)** | **Week 4 (23-27)** | **Week 5(30)** |
| **THEORY** | **Unit 5: Sectional Projection of Regular Solids**  Introduction:  Sectional Projection of vertical solids. | Sectional Projection of horizontal solids.  Revision for Assessment 1  Assessment 1 starts on 12.09.18 | Assessment 1 | Assessment 1 | Assessment 1 |
| **Practicals** | |  | | --- | | Development of surfaces  with chart papers.  Development of Prisms:  Hexagonal Prism  Revision & Assessment1  Practical Exams | |  |  |  |  |

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **OCTOBER**  **(1-31)** | **WEEK 1 (1-4)** | **WEEK 2 (7-11)** | **WEEK 3 (14-18)** | **WEEK 4 (21-25)** | **WEEK 5 (28-31)** | | **THEORY** | Sectional projections of horizontal solids with axis at right angles to V.P.  Sectional projections of horizontal solids with axis parallel to V.P. | Sectional projection of solids inclined to V.P.  Sectional projection of solids inclined to H.P. | True shape of the section.  Different types of true shapes and methods to construct it. | **Unit 6:**  **Orthographic projection of simple machine blocks**.  Introduction:  Construction of front view ,top view & side view with different machine blocks | Construction of machine block 1  Machine block 2  Machine block 3  Machine block 4  Machine block 5 | | **PRACTICALS** | Development of surfaces with chart papers.  Development of Prisms:Pentagonal prism | Development of surfaces with chart papers.  Development of Right circular cylinder | Development of surfaces with chart papers.  Development of Pyramids  Square pyramid | Development of surfaces with chart papers.  Development of Pyramid:Triangular pyramid. | Development of surfaces with chart papers.  Development of Pyramid:Hexagonal pyramid. | | **NOVEMBER**  **(1-30)** | **WEEK 1 (1)** | **WEEK 2(4-8)** | **WEEK 3 (11-15)** | **WEEK 4 (18-22)** | **WEEK 5 (25-29)** | | **THEORY** | Machine block 6 | Machine block 7  Machine block 8  Machine block 9  Machine block 10 | Machine block 11  Machine block 12  Machine block 13  Machine block 14 | Machine block 15  Machine block 16  Machine block 17  Machine block 18 | Machine block 19  Machine block 20  Machine block 21  Machine block 22 | | **PRACTICALS** | Development of surfaces with chart papers.  Development of Pyramids:Pentagonal pyramid | Development of surfaces with chart papers.  Development of right circular Cone | All development of surfaces  Should be constructed in drawing sheet . | Construction in drawing sheet | Construction in drawing sheet. | | **DECEMBER**  **(2-31)** | **WEEK 1 (2-6)** | **WEEK 2 (9-13)** | **WEEK 3 (16-20)** | **WEEK 4 (23-27)** | **WEEK 5(30-31)** | | **THEORY** | Machine block 23  Machine block 24  Machine block 25 | Revision for Assessment 2  Assessment 2 starts  On 11-12-18 | Assessment 2 | WINTER  BREAK | WINTER BREAK | | **PRACTICALS** | Revision & Assessment 2 Practical Exams |  |  |  |  | | **JANUARY**  **(1-31)** | **WEEK 1 (1-3)** | **WEEK 2(6-10)** | **WEEK 3 (13-17)** | **WEEK 4 (20-24)** | **WEEK 5(27-31)** | | **THEORY** | **WINTER BREAK** | **WINTER BREAK** | **Unit 7:Isometric Projections**  Introduction:  Construction of isometric scale showing main divisions of 10 mm and smaller divisions of 1 mm each, | Isometric Projections of  figures such as :  Triangles  Squares  Pentagon  Hexagon | Isometric  Projection of :  Circles  Semi circles  All figures with  their surface parallel to HP or VP  Perpendicular to HP  Or VP. | | **PRACTICALS** |  |  | Construction in drawing  sheet | Completion of all Practicals. |  | | **FEBRUARY**  **(3-28)** | **WEEK 1 (3-7)** | **WEEK 2 (10-14)** | **WEEK 3 (17-21)** | **WEEK 4 (24-28)** |  | | **THEORY** | **Unit 8:Development of**  **Surfaces**  Introduction:  All Prisms  All pyramids  Right circular cylinder &  Cone.  Completion of Syllabus  Both theory & practicals. | Revision classes  For Final Assessment | Final Assessment starts  on 19.02.19 | Final Assessment |  | | **PRACTICALS** | Final Assessment for Practicals |  |  |  |  | | **MARCH** | **WEEK 1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** | | **THEORY** |  | **Class 12 starts on**  **13.03.19** |  |  |  | |  |