

**DON BOSCO SR. SEC. SCHOOL, JHARMARI**

**CLASS- IX SYLLABUS**

**SESSION-2019-20**

**English**

Periodic Test I		Periodic Test II	
TEXT	Title of the Chapter	TEXT	Title of the Chapter
MOMENTS	The lost child The Adventures of Totto	MOMENTS	In the kingdom of fools The happy prince
BEEHIVE	The fun they had The sound of music	BEEHIVE	(PROSE) The little girl A truly beautiful mind The snake and the mirror. (POETRY) The road not taken The lake isle of Innisfree A legend of the Northland
<b>Integrated grammar practice:</b> Diary Entry, Article writing, Gap filling( to test prepositions, Articles, Conjunction, Tenses) Spotting errors, Omissions, Sentence Reordering, Sentence Transformation		<b>Integrated grammar practice</b>	
Activity: Read the chapters 'The Lost Child' & 'The adventures of Totto', summarize them.		Activity : Extempore (Topics will be provided on the spot)	
		P.A- II will also include the complete syllabus of P.A-I.	
Periodic Test III		<b>ANNUAL EXAMINATION</b>	
TEXT	<b>Title of the Chapter</b>	<b>Complete Syllabus</b>	
MOMENTS	<ul style="list-style-type: none"> <li>• Weathering the storm in Ersama</li> <li>• A house is not a home</li> <li>• The accidental tourist</li> </ul>		
BEEHIVE	<p align="center"><b>(PROSE)</b></p> <ul style="list-style-type: none"> <li>• Reach for the top</li> <li>• The bond of Love</li> <li>• Kathmandu</li> </ul> <p align="center"><b>(POETRY)</b></p> <ul style="list-style-type: none"> <li>• On killing a tree</li> <li>• The snake trying A slumber did my spirit seal</li> </ul>		
<b>Integrated grammar practice</b>			
Activity: <b>Activity of Listening</b>			
<b><i>P.A- III will also include the syllabus of P.A-I, P.A-II</i></b>			

**Hindi**

Periodic Test I		Periodic Test II	
Chapter No.	Title of the Chapter	Chapter No.	Title of the Chapter

ikB 2 ikB 3 ikB 1 ikB 2 ikB 1	nq[k dk vf/kdkj (fganh Li"KZ x  [kaM+ ) ,ojsLV esjh f"K[kj ;k=k jSnkl (fganh Li"KZ i  [kaM+ ) jghe (fganh Li"KZ i  [kaM+ ) fxYyw (fganh Lkap;u+ ) o.kZ&foPNsn ] vuqLokj ] vuqukfld ] i=A(fganh O;kdj.k+ )	ikB 4 ikB 7 ikB 3 ikB 4 ikB 2	Rkqe dc tkvksxs vfrFk (fganh Li"KZ x  [kaM+ ) dhpM+ dk dkO; vknehukek (fganh Li"KZ i  [kaM+ ) ,d Qwy dh pkg (fganh Li"KZ i  [kaM+ ) Le`fr (fganh Lkap;u+ ) uqDrk] milxZ] izR;;] laf/k(nh?kZ vkSj xq.k) vifBr dkO;ka"k]vifBr x ka"k] fp= ys[ku] laokn] foKkiu] vuqPNsn (fganh O;kdj.k+ ) \$Syllabus of Ist Periodic
Activity	dfork okpu	Activity	izi= Hkjus ds fy, nsukA
<b>Periodic Test III</b>		<b>Annual Examination</b>	
Chapter No.	Title of the Chapter	Chapter No.	Title of the Chapter
ikB 7 ikB 8 ikB 6 ikB 7 ikB 5 ikB 6	/keZ dh vkM+ (fganh Li"KZ x  [kaM+ ) "kqdzrkjs ds leku vfXuiFk (fganh Li"KZ i  [kaM+ ) u, bykds esa] [kq"kcw jprs gSa gkFk (fganh Li"KZ i  [kaM+ ) gkfen [kkWa (fganh Lkap;u+ ) fn, ty mBs ]] laf/k(o`f] ] ;.k vkSj v;kfn] fojke fpUg~] laokn] foKkiu] (fganh O;kdj.k+ ) \$Syllabus of Ist and IInd Periodic		Syllabus of all Periodic
Activity	Qkby cuokuk		

### Mathematics

PERIODIC TEST I	PERIODIC TEST II	PERIODIC TEST I	PERIODIC TEST II
CHAPTER NO.	TITLE OF THE CHAPTER	CHAPTER NO.	TITLE OF THE CHAPTER
1.	Number System	6.	Lines and angles
2.	Polynomials	7.	Triangles
3.	Coordinate geometry	8.	Statistics
4.	Linear equations in two variables	9.	Heron's Formula
5.	Introduction to Euclid's geometry	10.	Probability (Including syllabus of periodic test-I )
ACTIVITY	To verify Euclid's fifth postulate by actual measurement .	ACTIVITY	To verify experimentally the different criteria for congruency of triangles using triangle cut outs.
		Annual Exam	
CHAPTER NO.	TITLE OF THE CHAPTER	<b>Full Syllabus</b>	
11.	Quadrilaterals		
12.	Areas of parallelograms and triangles		
13.	Circles	<b>Full Syllabus</b>	
14.	Constructions		
15.	Surface areas and Volumes (Including syllabus of periodic test-II )		
ACTIVITY	To verify that the angles in the same segment of a circle are equal		

### SCIENCE (CHEMISTRY)

Periodic Test I
-----------------

Unit-I	Matter-Nature and Behavior
Chapter No.	Title of the Chapter
L-1 L-2	<ul style="list-style-type: none"> <li>Matter in our surrounding</li> <li>Is matter around us Pure (Half Chapter)</li> </ul>
Activity	<ul style="list-style-type: none"> <li>Practical Lab work</li> <li>1. Preparation of (a) a true solution (b) a suspension (c) a colloidal solution and distinguish between these on the basis of transparency, filtration criterion, stability.</li> <li>2. Preparation of (a) a mixture and (b) a compound and distinguishing between these on the basis of appearance, behaviour towards a magnet, behaviour towards carbon disulphide as a solvent, effect of heat.</li> <li>3. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).</li> </ul>
Periodic Test II	
Unit-I	Matter-Nature and Behaviour
Chapter No.	Title of the Chapter
L-2 L-3	<ul style="list-style-type: none"> <li>Is matter around us Pure (left Chapter)</li> <li>Atoms and Molecules</li> <li>Including syllabus of P.A-I</li> </ul>
Activity	<ul style="list-style-type: none"> <li>Practical Lab work</li> <li>4. Perform the following reactions and classify them as physical or chemical changes: <ul style="list-style-type: none"> <li>(a) Iron with copper sulphate solution in water</li> <li>(b) Burning of magnesium ribbon in air</li> <li>(c) Zinc with dilute sulphuric acid</li> <li>(d) Heating of copper sulphate crystals</li> <li>(e) Sodium sulphate with barium chloride in the form of their solutions in water.</li> </ul> </li> </ul>
Periodic Test III	
Unit-I	Matter-Nature and Behaviour
Chapter No.	Title of the Chapter
L-4	<ul style="list-style-type: none"> <li>Structure of atom</li> <li>Including syllabus of P.A-I and P.A-II</li> </ul>
Activity	<ul style="list-style-type: none"> <li>Practical Lab work</li> <li>5. Verification of the law of conservation of mass in a chemical reaction.</li> </ul>
Annual Examination	
Unit-I	Matter-Nature and Behaviour
Chapter No.	Title of the Chapter
L-1 L-2 L-3 L-4	<ul style="list-style-type: none"> <li>Matter in our surrounding</li> <li>Is matter around us Pure</li> <li>Atoms and Molecules</li> <li>Structure of atom</li> </ul>

### Physics

PERIODIC TEST I		PERIODIC TEST II	
UNIT III	MOTION, FORCE AND WORK	UNIT-III	MOTION, FORCE AND POWER
CHAPTER NO.	TITLE OF THE CHAPTER	CHAPTER NO.	TITLE OF THE CHAPTER
Lesson-8 Lesson-9	<ul style="list-style-type: none"> <li>Motion</li> <li>Force and laws of motion (Half Chapter)</li> </ul>	Lesson-9 Lesson-10	<ul style="list-style-type: none"> <li>Force and laws of motion (Half)</li> <li>Gravitation and floatation</li> <li>+ syllabus of P.A-I</li> </ul>
ACTIVITY	Practical lab work * Verification of the laws of reflection of sound	ACTIVITY	<ul style="list-style-type: none"> <li>Practical Lab work</li> <li>Determination of the density of solid by using a spring balance and a measuring cylinder.</li> <li>Establishing the relation between the loss in weight of a solid when fully immersed in (i) Tap water (ii) strongly</li> </ul>

			<p>salty water ,with the weight of water displaced by it by taking at least two different solids.</p> <p>Make a project file on applications of Archimedes principle .</p>
<b>PERIODIC TEST III</b>		<b>Annual Examination</b>	
<b>UNIT-III</b>		<b>MOTION, FORCE AND POWER</b>	
CHAPTER NO.		TITLE OF THE CHAPTER	
Lesson-11 Lesson-12		<ul style="list-style-type: none"> <li>• Work energy and power</li> <li>• Sound</li> <li>• Syllabus covered up to December</li> <li>• + syllabus of P.A-1 and P.A.-2</li> </ul>	
ACTIVITY		<ul style="list-style-type: none"> <li>• Practical Lab work</li> <li>• Determination of the speed of a pulse propagated through a stretched string/slinky.</li> <li>• Worksheet on numericals related to the chapter (Sound).</li> </ul>	
<b>Annual Examination will include the entire syllabus.</b>			

### BIOLOGY

<b>PERIODIC TEST I</b>		<b>(UNIT-II) ORGANIZATION IN THE LIVING WORLD</b>	
CHAPTER NO.		TITLE OF THE CHAPTER	
Lesson-5 Lesson-6		<ul style="list-style-type: none"> <li>• The fundamental unit of life</li> <li>• Tissues</li> </ul>	
ACTIVITY		<p><b>PRACTICAL LAB WORK</b></p> <ol style="list-style-type: none"> <li>1. Preparation of stained temporary mounts of (a) Onion peel (b) Human cheek cell. Draw labelled diagrams also.</li> <li>2. Identification of parenchyma , collenchyma and sclerenchyma tissue in plants , striped , smooth and cardiac muscle fibres from prepared slides.</li> <li>3. Find out what provisions are made by your local authority (municipal corporation) for the supply of clean drinking water. Are all the people able to access this?</li> <li>4. Find out how your local authority manages the solid waste generated in your neighbourhood. Are these measures adequate?</li> </ol>	
<b>PERIODIC TEST II</b>		<b>(UNIT-II) ORGANIZATION IN THE LIVING WORLD</b>	
CHAPTER NO.		TITLE OF THE CHAPTER	
Lesson-13 Lesson-7		<ul style="list-style-type: none"> <li>• Why do we fall ill?</li> <li>• Diversity in living organisms.</li> </ul>	
<b>Syllabus of P.A-I will be included in P.A-II</b>			
ACTIVITY		<p><b>PRACTICAL LAB WORK</b></p> <ol style="list-style-type: none"> <li>1. Study of characteristics of Spirogyra , Agaricus , Moss , Fern , Pinus and an Angiospermic plant.</li> <li>2. Observe the given pictures and charts of earthworm , cockroach , bonyfish and bird.</li> </ol>	
<b>PERIODIC TEST III</b>		<b>(UNIT-V) FOOD PRODUCTION</b>	
CHAPTER NO.		TITLE OF THE CHAPTER	
Lesson-14 Lesson-15		<ul style="list-style-type: none"> <li>• Natural resources</li> <li>• Improvement in food resources</li> </ul>	
<b>Syllabus of P.A-I &amp; II will be included in P.A-III</b>			
ACTIVITY		PRACTICAL LAB WORK	

	1.Study of the external features of root, stem , leaf and flower of monocot and dicot plants.
<b>ANNUAL EXAM</b>	<b>Complete Syllabus</b>

### Social science

Periodic Test I		Periodic Test II	
CHAPTER NO.	TITLE OF THE CHAPTER	CHAPTER NO.	TITLE OF THE CHAPTER
1. 1,2	<b>HISTORY</b> - THE FRENCH REVOLUTION. <b>GEOGRAPHY</b> -INDIA-SIZE AND LOCATION, PHYSICAL FEATURES OF INDIA.	2,5	<b>HISTORY</b> - SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION
1.	<b>DEMOCRATIC POLITICS</b> -WHAT IS DEMOCRACY? WHY DEMOCRACY? / Democracy in the contemporary world	3,4 3,4 3	<b>GEOGRAPHY</b> -DRAINAGE, Natural vegetation & wildlife. <b>DEMOCRATIC POLITICS</b> -CONSITUTIONAL DESIGN, ELECTORAL POLITICS.
1.	<b>ECONOMICS</b> -THE STORY OF VILLAGE PALAMPUR.		<b>ECONOMICS</b> -PEOPLE AS RESOURCE & Poverty as a challenge Including syllabus of Periodic test 1.
<b>ACTIVITY</b>	To prepare a project file by identifying songs, dances, festivals, and special food preparations associated with certain season in their particular region and weather. *Map	<b>ACTIVITY</b>	DEBATE-Discuss the impact of unemployment on Economy. PROJECT-Disaster Management. (Project file) *Map
Periodic Test III		Annual Examination	
CHAPTER NO.		Annual Examination will include the entire syllabus.	
3 5,6 5,6	<b>HISTORY</b> - PASTORALIST IN THE MODERN WORLD. <b>GEOGRAPHY</b> - POPULATION. <b>DEMOCRATIC POLITICS</b> - WORKING OF INSTITUTIONS, DEMOCRATIC RIGHTS.		
3,4	<b>ECONOMICS</b> - FOOD SECURITY IN INDIA. Including syllabus of Periodic test 1 and 2.		
<b>ACTIVITY</b>	POSTER MAKING- Topic: Fundamental Rights. *Map		

### COMPUTER

Periodic Test 1			Periodic Test II (Periodic Test I syllabus is included)		
Unit No	Unit name	Chapters	Unit No	Unit name	Chapters
Part B	Vocational Skills	Word Processing (Elementary) Introduction to IT-ITes Industry (Elementary)	Part B Part A	Vocational Skills Employability Skills	Presentation , Data entry & Key Board Skills Basic ICT Skills + Syllabus of Periodic Test- 1
<b>Practical Work:</b> Program No 1-5 as per the index.			<b>Practical Work:</b> Program No 6-10 as per the index.		
<b>Project Work:</b> Industrial visit-1			<b>Project Work:</b> Industrial visit- 2		

Periodic Test 3 (Periodic Test II syllabus is included)			Annual Examination
Unit No	Unit name	Chapters	
Part A	Employability Skills	Vocational - Electronic Spread Sheet Communication Skills Self-Management Skills Entrepreneurial Skills Green Skills	Theory (50 M) Complete Syllabus Practical (50 M) Practical File, Project Report

**Practical Work:** Program No 11-15 as per the index.**Project Work:** Industrial visit- 3**PUNJABI**

(T) gVQB - e"Åb

(nDfvZm/ tkose g?fonK T[s/ pj[ftbgh gqÅB )

gqGktÅkbh fbyD e"Åb

1' gZso ouBk (fBih gZso )

ftnkeoB

1' fto'Xh ;pd 2' fbzr .

gkm - g[;seK

( ;kfjse feoBK - 1 )

1' ekft - ouBktK - pkpk Å/y \ohd , r[o{ BkBe d/t ih .

2' tkose Gkr - b/y epZvh ( fgqz L ;otD f;zx ) , wjkswk pZ[X dhnK ;[]wskJhnK ( r[oBkw f;zx ) ,

( ;kfjse ozr -1 )

1' ejkDh - fJe ;XkoB nkdwH .

2' ihtBh - eosko f;zx ;okGk .

Activity - efRsk f;zwb oZ[y ;okfJnk iK ;wK ~ :kd eoBk s/ fbyDk .

TERM - II ( Periodic Test - II , October)

gVQB - e"Åb

( nDfvZmh ekft N[eVh Bkb ;zpzXs gqÅB )

gqGktÅkbh fbyD e"Åb

1' b/y - ouBk ( Å);hnsK ns/ nkw tke\hns Bkb GoG{o ftÅ/ )

ftnkeoB

1' Åpd ;Z[Xh ns/ w[jkto/ ( T s' j sZe )

gkm - g[;seK

( ;kfjse feoBK - 1 )

1' ekft -ouBktK - GkJh tho f;zx , \hoi'dhB ;o\ ,

2' tkoseeko - fgnkok f;zx dskk , ;kX{ f;zx nKub .

( ;kfjse ozr - 1 )

1' ejkDh - gqd/; Bk s{z s'oh pkpbk .

2' fJeKrh - feos dk ;fseko .

Activity - gqo'i?eN ckfJb L ;t? oZfynk iK epZvh

TERM - III ( Periodic Test - III , JANUARY)

gVQB -e"Åb

( nDfvZm/ g?o/ Bkb ;zpzXs gqÅB )

gqGktÅkbh fbyD e"Åb

1' gsZo - ouBk ( d\soh )

B?fse edoK ehwsK

fuZso b/yD

ftnkeoB

1' ft;fwe ns/ w[jkto/ ( T s' j sZe )

gkm - g[;seK

(;kfjse feoBK - 1 )

1' ekft - ouBktK - f;t e[wko pNkbth , Bzd bkb B{og[oh

2' tkoseeko - gzikph fto;k .

(;kfjse ozr - 1 )

1' ejkDh - d[ZX s/ g[Zs .

2' ihtBh - g[bkV dh goh ( ebgBk ukthk )

Activity - gqo'i?eN ckfJb L ebgBk ukthk