

**SCHEDULE & SYLLABUS OF ONLINE TEST SERIES  
 PRE-NURTURE & CAREER FOUNDATION (PNCF)  
 [Academic Session : 2018 - 19]**

**TARGET : CLASS 7**

Minor Test No.	Test Type	Test Date	TARGET : CLASS 7						
			Physics	Chemistry	Biology	Maths	English	SST	Mental Ability
1	Minor test 1 (OMR based)	10/06/2018	<b>Heat :</b> Temperature, temperature and heat, unit of temperature, thermometer, thermal equilibrium, heat, unit of heat (joules and calorie and their inter - conversions), temperature and motion of particles of matter, Temperature scales	<b>Fibre to fabric-</b> Types of fibres-natural and synthetic,Natural fibre -wool, properties of wool,some special wool (camels, cashmere goat, angora goat, angora rabbit)	<b>Nutrition in plants:</b> Nutrition,Photosynthesis, Requirements of photosynthesis,Role of leaf in photosynthesis,Replenishing nutrients in the soil. Synthesis of food other than carbohydrates,Other modes of nutrition in plants.	<b>Integers :</b> Properties of addition of Integers, Properties of Subtraction of integers, Multiplication of Integers, Properties of Multiplication of Integers, Division of Integers, Properties of division of integers, <b>Fractions :</b> Fractions, Types of fractions	Nouns, Pronouns	<b>Tracing Changes through a Thousand Years-</b> Periodisation of History,The Medieval Period,1.3 Terms used for Indian Subcontinent,Features of Medieval Period, Major Historical Trends, Historical Sources of Medieval Period <b>Music</b> <b>New Kings and Kingdoms</b> -Political Developments,Tripartite Struggle, The Chahamanas or Chauhans,Turkish invasion, Kingdoms of the South, The Pallavas of Kanchi, The Cholas of Thanjavur, Architecture of South India, Literature under Cholas, Agrarian expansion in Tamil Nadu,Chola inscriptions Different Environment at different places, Mutual independence	Verbal Series (Number),Verbal Series(Alphabet, Alpha-Numeric series)
2	Minor test 2 (OMR based)	24/06/2018	<b>Heat :</b> Temperature scales (Fahrenheit scale, Celsius scale, Kelvin scale), absolute zero, relation between different temperature scales. measurement of temperatures, thermometers, liquid- in- glass thermometer, selection of thermometric liquid, the laboratory thermometer, The clinical thermometer, features of clinical thermometer, precautions to be observed while reading a clinical thermometer,maximum and minimum thermometer	<b>Fibre to fabric-</b> rearing and breeding of sheep, processing of fleece in to woollen fabrics, Uses of wool,Occupational hazards of wool	<b>Nutrition in animals:</b> Holozoic nutrition, Nutrition in amoeba,Digestive system in humans-Alimentary canal,(1) Mouth,(2) Buccal cavity,(3) Oesophagus, (4) Stomach, (5) Small intestine,Absorption In Small intestine, Assimilation	<b>Fractions :</b> Addition, Subtraction of fractions, Multiplication,Reciprocal of fractions, Division of fractions, Word Problems based on fractions <b>Decimals :</b> Decimal fractions, Whole number and decimal part of decimal, Like and Unlike decimals, Operation on decimals (Addition and Subtraction of decimal numbers), Multiplication and division of decimal numbers, Conversion of Units	Adjectives	<b>Our Environment-</b> Major spheres of the Environment, Why is Earth considered a unique planet,Protection and Preservation of the Environment <b>Inside our Earth-</b> Earth's Internal Structure, Rocks and Minerals, Minerals	Verbal Series(Continuous Pattern),Non-Verbal Series
3	Minor test 3 (OMR based)	08/07/2018	<b>Heat :</b> sources of heat, transfer of heat (conduction, heat conductors, heat insulators <b>convection - natural convection</b> - land and sea breeze, forced convection, radiation), heat conductors and heat insulators <b>Wind, Storm and Cyclones :</b> Air pressure	<b>Fibre to fabric-</b> Natural fibre -silk-silk production,life cycle of silk moth, health hazards in sericulture,Uses of silk	<b>Nutrition in animals:</b> (6)Large intestine,(7)Rectum,(8) Anus, Digestive system in Ruminants, <b>Weather,Climate and adaptations:</b> Introduction, Weather,Climate	<b>Decimals :</b> Word problems based on decimals <b>Lines and Angles :</b> Angles,Types of angles, Pair of Angles(adjacent angles,Linear pair), Pair of Angles(vertically opp. Angles,complementary angles), Sum of the angles round a point, Parallel lines, Properties of parallel lines and cut by a transversal	Verbs and Tenses	<b>The Delhi Sultans-</b> Historical Sources, Slave Dynasty, The Khalji Sultans, The Tughlaq Dynasty, Invasion of Tamarlane, The Sayyid Dynasty, Lodi Dynasty, Administration under Delhi Sultanate,End of Delhi Sultanate, The Mongols, Causes of Downfall of Delhi Sultanate, Ibn Batuta's observations <b>Equality-</b> Other Kinds of Equality, Recognising Dignity, Issues of Equality in other democracies, Challenge of Democracy	Coding-Decoding

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4	Minor test 4 (OMR based)	22/07/2018	<b>Wind, Storm and Cyclones :</b> Air pressure, unit of pressure, altitude and density of air, altitude and pressure, changing temperature of air at constant volume, changing density of air at constant volume, changing temperature of air at constant pressure, (effect on volume and density of air), Effect of humidity on air pressure	<b>Acids,bases and salts -</b> classification of acids (on the basis of source,concentration, and basicity), Physical and some chemical properties of acids, soda fire extinguisher, uses of acids	<b>Weather,Climate and adaptations:</b> Climate and adaptations 1.The Polar regions,2.Tropical Rainforest,migration <b>Soil:</b> Introduction, Soil formation,soil profile	<b>Triangles :</b> Triangle, Classification of Triangles, Median of a Triangle,Altitude of a Triangle,Angle Bisector of a triangle, Angle sum Property of a Triangle, Exterior angles of a triangle, Pythagoras theorem for right angled triangles, Pythagoras theorem for right angled triangles, Triangle inequality property	Modals, One Word for Many	<b>The Mughal Empire-</b> Babur, Humanyun,The Suri Sultanate, Akbar,Jehangir, Shah Jahan, Aurangzeb, Last days of the Empire, Rise of East India Company, The Export trade, The Mughal court, Akbar Nama and Ain-i- Akbari <b>Air-</b> Components of Atmosphere, Structure of Atmosphere, Troposphere, Stratosphere, Mesosphere, 13.6 Thermosphere, Exosphere, Significance of the atmosphere, <b>Delhi Sultans</b>	Alphabet Test,Alpha-Numeric Sequence Puzzle,Mirror & Water Images
5	Minor test 5 (OMR based)	05/08/2018	<b>Wind,Storm and Cyclones :</b> barometer, wind speed and air pressure wind, global winds (uneven heating between the equator and the poles, trade winds, westerlies, easterlies	<b>Acids,bases and salts-</b> Acid rain,properties of bases, uses of bases, cleaning of tarnished metal	<b>Soil:</b> Composition of soil,soil types,Properties of soil.Soil and Crops	<b>Congruence of Triangles :</b> Congruent figures, Congruence of triangles Case 1: SSS congruence criterion Case 2: SAS congruence criterion Case 3: ASA congruence criterion Case 4: RHS congruence criterion Case 5: AAS congruence criterion	Articles, Determiners	<b>Our Changing Earth:</b> Plate Movement,Volcanoes, Earthquakes, Effects of Earthquakes, Case Study, Landforms of the Earth,Gradation of the Earth, Degradation and Aggradation Weathering and Erosion, Landforms made by rivers, 6.11 Landforms made by glaciers, Landforms made by winds,6.13 Landforms made by waves <b>Rulers and Buildings -</b> Importance of Monuments as a source of history,Architecture between 800 A.D-1200 A.D,Monumental Architecture under the Sultans of Delhi, Monumental Architecture under the Sultans of Delhi,The Mughal Architecture, The Regional Architecture	Inserting The Missing Character
6	Minor test 6 (OMR based)	19/08/2018	<b>Wind,Storm and Cyclones :</b> Local winds, land breeze, sea breeze, winds and local weather, monsoon wind, monsoon of indian sub continent, severe weather, thunderstrom. cyclone, mechanism of tropical cyclone formation (Formative stage, mature stage, dissipation stage), destruction caused by cyclone, tornadoes, severe weather safety for thundrstorms, cyclones and tornadoes. Anemometer, Position and reference point, Reference direction, rest, motion	<b>Acids,bases and salts -</b> pH scale and indicators (universal, natural laborator indicators),significance of pH to physicians and farmers, <b>Acids,bases and salts-Neutralisation in every day life -</b> indigestion, soil treatment,factory wastes, sting of ants and bees, preserving milk for a short while, Salts- Introduction	<b>Soil:</b> Soil erosion,Soil pollution <b>Respiration in organisms:</b> Introduction, Respiration, Process of Respiration, Types of cellular respiration, Anaerobic respiration in muscle cells,Breathing, Breathing organs in animals	<b>Data Handling :</b> Data, Some basic definitions, Tabulation or presentation of data, Arithmetic Mean, Median,Mode, Statical Graph, Equally likely, more likely and unlikely outcomes, Some terms related to probability	Active and Passive Voice	<b>Towns, Traders and Craftsperson -</b> Growth of trade and rise of cities, Sources of History for this period, Trading Communities, Masulipatnam, Surat, Hampi, Traveller's account of the Emperor of Vijaynagar <b>The State Government Role of Government in Health-</b> What is Health? Healthcare in India, Types of Healthcare facilities,Healthcare and Equality, What can be done? <b>Our Changing Earth (Revision)</b>	Blood Relation

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7	Minor test 7 (OMR based)	02/09/2018	<b>Motion and Time</b> : Uniform and non uniform motion, distance and displacement, Speed, velocity	<b>Acids,bases and salts</b> - classification of salts (acidic, basic), Uses of some important salts- sodium chloride, sodium carbonate, sodium bicarbonate, baking soda	<b>Respiration in organisms:</b> Human respiratory system, Mechanism of breathing, Gaseous exchange in plants	<b>Simple Equation</b> : Equations, Balancing an equation	Punctuations	<b>The State Government : How State Government Works</b> -Sharingof powers, The State Legislature,The Vidhan Sabha, State Legislative Councils,Passage of ordinary bills by state legislature, Passage of Money Bill, Comparison of Legislative Assembly and Legislative Council, Administration of the State <b>Water</b> -Weather and Climate, Cyclones, Moisture, Water Cycle, Fresh Water, Need of water Conservation or Water harvesting, Saline Water, Major Water Bodies, Importance of Oceans, Movement of Ocean Water, Waves, Case Study, Tides, Ocean Currents	Logical Venn Diagram, Logical Sequence Of Words
8	Minor test 8 (OMR based)	16/09/2018	<b>Electricity &amp; its Effects</b> (Static electricity & its sources, Electric charge, Conductors, Insulators, Electric current)	<b>Physical and chemical changes</b> - Introduction of physical and chemical changes, Reversible and irreversible changes, characteristics of physical and chemical changes	<b>Transportation in Plants and Animals:</b> Introduction, Transportation in animals, Circulatory system, a) Blood,b)Blood vessels,c) Heart, Blood circulation	<b>Perimeter and Area</b> : Some terms related to Mensuration, Triangles, Quadrilateral, Pathway, Circle	Direct and Indirect Speech	<b>Mughal Empire, Rulers and Buildings</b> : Importance of Monuments as a source of history, Architecture between 800 A.D-1200 A.D, Monumental Architecture under the Sultans of Delhi, The Mughal Architecture,The Regional Architecture	Number, Ranking & Time Sequence Test,Verbal Analogy
9	Minor test 9 (OMR based)	30/09/2018	<b>Electricity &amp; its Effects</b> (Electric circuit, Symbols of electrical components, Cell & its types, Battery, Colour coding of wire)	<b>Physical and chemical changes</b> - Chemical reaction + equation, balancing	<b>Transportation in plants and animals</b> : Heart beat and pulse , Transportation of substances in plants, Transport of water and minerals	Rational Numbers (Complete)	Subject - Verb Agreement	<b>Social Change-Mobile and Settled Communities:</b> Introduction,Variations in social structure,Caste structure, Tribal people,The Tribal Society, Nomads,Banjaras, Case Study- a. Gonds, b. Ahoms <b>Undersanding Media:</b> Introduction, Print Media, Electronic Media, The role of political parties in the formation of public opinion, Government and Information,Right to Information,Advertising- 1. Commercial Advertising, 2. Increased purchasing power, 3. Benefits to Producers and Businessmen, 4. Benefits to Consumers, Social Advertising, 6. Basic rules and code of conduct for advertising, 7. Negative effects of advertising <b>The State Government</b> : How State Government Works	Verbal Classification, Non-Verbal Analogy, Non-Verbal Classification

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10	Minor test 10 (OMR based)	14/10/2018	<b>Electricity &amp; its Effects</b> (Short circuit, Earthing, Domestic electric circuit, Heating effect of current, Fuse & MCB, Magnetic effects of current, Electromagnet)	<b>Physical and chemical changes</b> - Types of chemical reaction-combination, decomposition, single displacement and double displacement reaction, Rusting	<b>Transportation in plants and animals</b> :Translocation of food,Transpiration, Excretion in animals Excretory system in humans <b>Reproduction in plants:</b> Introduction, Why living organisms need to reproduce ? Modes of reproduction, Asexual reproduction in plants, Budding, Fragmentation, Spore formation	Exponents and Powers (complete)	Conjunctions	<b>Unpacking Gender:</b> Introduction- What is stereotyping, Discrimination at home,The invisibilisation of women's labour, Discrimination about education Discrimination in jobs, Factors responsible for gender inequality, indicators of gender inequality, <b>Women's upliftment:</b> Provisions of the constitution, The laws meant for the welfare of women <b>Elements of Weather and Climate:</b> Introduction, Atmospheric Temperature, Global distribution of temperature, Factors controlling temperature, Measurement of temperature, Atmospheric Pressure, Factors affecting atmospheric pressure,Winds,Types of Winds	Mathematical Operation, Completion of Incomplete Pattern, Dot Situation, Paper Folding & Paper Cutting
11	Minor test 11 (OMR based)	28/10/2018	<b>Electricity &amp; its Effects :</b> Electric bell, Hazards of electricity, Conserve Electricity <b>Light</b> (Objects - Luminous, Non-luminous, Opaque, Transparent, Translucent, Basic terms - Ray of light, Beam of light & its types, Properties of light	<b>Physical and chemical changes-</b> crystallisation <b>Water : A precious resources-</b> Introduction, Forms of water,water cycle, sources of water-ground water, surface water	<b>Reproduction in plants :</b> Vegetative propagation ,Artificial methods of vegetative propagation, Sexual reproduction, Sexual reproduction in plants, Pollination,Fertilization, Formation of fruits and seeds, Functions of fruits	Comparing Quantities (Ratio, Proportion, Percent)	Adverbs	<b>Popular beliefs and religious debates:</b> Introduction , Bhakti Movement, Famous Bhakti Saints-Shankaracharya, Ramanuja, Saints of Maharashtra, Ravidas, Shankardeva, Madhavacharya, Nathpanthis, Yogis and Siddhas, A Closer Look, Saint Kabir and his teachings, Teachings of Kabir, Guru Nanak, Teachings of Guru Nanak, New Religious Developments in North India, Sant Ramananda, Caitanya, Tulsidas, Mirabai, Sufism, Moniuddin Chisti, Baba Farid, Nizamuddin Auliya and Samil Chishti, Common teachings of sufi saints, <b>Natural Vegetation and Wildlife:</b> Introduction, Forests, Tropical evergreen forests, Selvas and Equatorial Forests, Tropical Deciduous Forests, Temperate Evergreen Forests, Temperate Deciduous Forests, Mediterranean Forests, Coniferous/Taiga, Grasslands, Temperate Grasslands, Desert Vegetation, Cold Desert/ Tundra Vegetation, Wildlife in India, Preserving Wildlife <b>Human Environment:</b> Settlement: Introduction, Settlement, Types of Rural Settlement- 1. Dispersed Settlements, 2. Compact Settlements, 3. Linear Patter, 4. Circular Pattern, 5. Radial Pattern, 24.4 Problems of rural settlement, Urban Settlements, Problems of Urban Settlements, Rural-urban relationship. <b>Elements of weather and Climate</b>	Sitting Arrangement
12	Minor test 12 (OMR based)	11/11/2018	<b>Light :</b> rectilinear propagation of light, Reflection of light, Laws of reflection & related terms, Regular & diffused reflection, Image formation by plane mirror, Lateral inversion, Spherical Mirrors, Rules to obtain images in spherical mirrors )	<b>Water : A precious resources-</b> Depletion of water table- water crisis and rain fall, scarcity of water , water needed for agriculture, Distribution of water- pattern of rainfall, loss of water, overuses, pollution, deforestation and neglect, Water conservation, What role you can play?	<b>Reproduction in plants:</b> Dispersal of seeds and fruits + <b>Forest : Our Lifeline:</b> Introduction, Forest profile, Uses of forests, Useful plants and plant products	Comparing Quantities (Profit and Loss, Profit and Loss Percent, Simple Interest)	Prepositions	<b>Human Environment: Transport and Communication:</b> Transport-a. Roadways, b. Railways, c. Waterways, d. Airways, Communication, The Internet <b>The Flowering of Regional Cultures:</b> Introduction, Early Medieval Period, Sultanate Period, Mughal Period, A Closer Look-Bengal	Direction Sense Test, Spotting Out The Embedded Figure

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13	Minor test 13 (OMR based)	25/11/2018	<b>Light (Spherical mirrors</b> - its types & related terms, Rules to obtain images, Image formation by concave and convex mirror, Uses of mirror, Lenses & related terms, Rules to obtain images, Image formation by convex lens)	<b>Water : A precious resources-</b> Effect of water scarcity on plants <b>Waste water story-</b> Introduction, clean water, sewage,The sewer system,Waste water treatment plant	<b>Forest : Our Lifeline-</b> Interdependence of plants and animals,Food chain and Food web, Scavengers and decomposers, balance in nature,Dependence of animals on plants, Dependance of plants on animals	Algebraic Expressions (Complete)	Phrases & Clauses	<b>New Political Formation in the 18th Century:</b> Introduction, Causes of decline of the Mughal Empire, Emergence of New States, The Old Mughal Provinces,The Watan Jagirs of the Rajputs,Seizing Independence,Marathas-A Case Study <b>Markets around Us:</b> Introduction, Why do we need a market?, Itinerant Retailers-a- Hawkers or Street Vendors, b. Fixed Shop Retailers, Large Scale Retailers,Wholesale Markets <b>Elements of Weather and Climate</b>	Dices & Cubes , Analytical Reasoning
14	Minor test 14 (OMR based)	09/12/2018	<b>Light (Lenses :</b> Image formation by concave and convex lenses , Dispersion of white light, Newton's colour disc)	<b>Waste water story-</b> Alternatives to sewerage system what should be done to maintain sanitation and avoid water pollution	<b>Forest : Our Lifeline-</b> Introduction, Forest profile, Uses of forests, Useful plants and plant products, Interdependence of plants and animals,Food chain and Food web, Scavengers and decomposers, balance in nature,Dependence of animals on plants, Dependance of plants on animals, If forest disappear, Conservation of forest	Symmetry (Complete), Visualising Solid Shapes (complete) Practical Geometry (Complete)	Direct & Indirect speech, Idioms and Phrases, Error Spotting, Best Word Vocabulary	<b>A Shirt in the Market:</b> A Cotton Farmer in Kurnool, The Cloth Market of Erode, Putting Out System-Weavers proucing at Home, A Weaver's Cooperative, How the Government helps ?, The Garment Export near Delhi, Rules for foreign buyers, Problems faced by the workers,A Shirt in the United States, Who are gainers in the market?, Market and Equality <b>Struggles for Equality:</b> Introduction, Tawa Matsya Sangh, Indian Constitution as a Living Document <b>Life in Desert Regions-Sahara and Ladakh:</b> Introduction, The Sahara Desert, Ladakh	Figure Matrix, Figure Formation, Construction of Square & Grouping of Identical Figures
15	Minor test 15 (OMR based)	23/12/2018	Full Syllabus	Full syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full syllabus	Full Syllabus



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1	Major Test No.1 (Subjective)	06/01/2019	MATHS	20% From Syllabus of Minor Test 1, 2, 3, 4 And 80% From Syllabus of Minor Test 9 To 15
2	Major Test No.2 (Subjective)	13/01/2019	SCIENCE	20% From Syllabus of Minor Test 1, 2, 3, 4 And 80% From Syllabus of Minor Test 9 To 15
3	Major Test No.3 (Subjective)	20/01/2019	ENGLISH	20% From Syllabus of Minor Test 1, 2, 3, 4 And 80% From Syllabus of Minor Test 9 To 15
4	Major Test No.4 (Subjective)	27/01/2019	SST	20% From Syllabus of Minor Test 1, 2, 3, 4 And 80% From Syllabus of Minor Test 9 To 15
5	Major Test No.5 (Subjective)	03/02/2019	MATHS	20% From Syllabus of Minor Test 5, 6, 7, 8 And 80% From Syllabus of Minor Test 9 To 15
6	Major Test No.6 (Subjective)	10/02/2019	SCIENCE	20% From Syllabus of Minor Test 5, 6, 7, 8 And 80% From Syllabus of Minor Test 9 To 15
7	Major Test No.7 (Subjective)	17/02/2019	ENGLISH	20% From Syllabus of Minor Test 5, 6, 7, 8 And 80% From Syllabus of Minor Test 9 To 15
8	Major Test No.8 (Subjective)	24/02/2019	SST	20% From Syllabus of Minor Test 5, 6, 7, 8 And 80% From Syllabus of Minor Test 9 To 15