

PRIMARY TEACHER (PRT)

SCHEME

- (1) Written Test - There will be a written examination of 200 marks. Question paper will consist of multiple choice objective questions in two parts as per the following:-

Part	Subject	Max. no. of questions	Max. no. of Marks	Minimum qualifying Marks (Subject-wise 40%)	Min. qualifying marks (Aggregate 45%)	Duration of exam
Part-I	English	25	25	10	23	03 Hours
	Medium of instruction of school (Marathi)	25	25	10		
Part-II	Current Affairs	25	25	NA	NA	
	Reasoning ability	25	25	NA	NA	
	(i) General Science (ii) General Maths (iii) Environmental Science	100	100	NA	NA	

Note -

- (1) Part-II of the question paper of the candidate will be evaluated only if he/she qualifies in Part-I
- (2) The merit will be based only on the basis of performance in the written test.

(2) **Teaching Skill test :** Candidates to be called on the basis of merit in the written test in the ratio of 1:5. The Teaching Skill test will be of qualifying nature only. The teaching skill test of the candidates will be assessed in the following parameters/areas :-

- (a) Communication skills
- (b) Teaching Methodology

Note : Only CTET/ State TET pass candidates will be allowed to apply as per recruitment rules.

SYLLABUS

1. PRIMARY TEACHER (PRT) - **Written Test** – Question papers will assess the candidates' ability in the following areas: (standard of questions/level of difficulty to be of Senior Secondary Level):-

- (i) Core language Competency (English and Hindi/Medium of instruction of the School)- 50 Marks (25+25)

CORE LANGUAGE COMPETENCY- The candidate should have adequate understanding of English and Hindi/ Medium of instruction of the school to deal with students of Elementary Classes. The ability to comprehend texts and express them effectively in writing/orally will be measured through Written test and Teaching Skill Test.

English- Articles/Determininals, Prepositions, Verb forms, Adjectives, Tense, Modal Auxiliaries, Active/Passive, Reported speech, Punctuations, Letter Writing-formal & informal, Essay on current issues, Speech, vocabulary, idioms and phrases, Antonym & Synonyms, Methods of teaching English at Elementary level.

हिन्दी पाठ्यक्रम : भाषा , संज्ञा, सर्वनाम, विशेषण क्रिया अव्यय, लिंग, पुल्लिंग, स्त्रीलिंग, उपसर्ग, प्रत्यय, वचन, एकवचन, बहुवचन. वाक्य रचना, विलोम या विपरीतार्थक शब्द , समरूपी भिन्नार्थक शब्द, मुहावरे, अलंकार, विराम चिन्ह, पदपरिचय, संधि, एकार्थी शब्द, अनेकार्थी शब्द, अनेक शब्दों के लिए एक शब्द, तत्सम –तदभव शब्द, समास लोकोक्तियाँ , मुहावरे, । अपठित गद्यांश एवं भाषा शिक्षण की प्रभावी विधियाँ ।

Language of instruction of the School - The syllabus will be as per the guidelines given for English/Hindi.

- (ii) Current Affairs- 25 Marks

- (iii) Reasoning ability-25 Marks

- (iv) (a) General Science - 100 Marks
(b) General Maths
(c) Environmental Science

(a) GENERAL SCIENCE- Living world, Human Body, Plant Life, Natural Vegetation and Wild Life, Food, The Universe:- Natural phenomenon, planets, Indian Space Research programme; Our country :- Its surface, natura resources, food & crop. Matter:- concept of elements, molecule and atom. Basic structure of atom, Radioactivity, gases and liquids, classification of Hydrocarbons. Chemical and physical changes. Green house effect, photo synthesis, Motion:- displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance - time and velocity, idea' of uniform circular motion. Force and motion, inertia, momentum, force and acceleration action and reaction forces. Elementary idea of conservation of momentum, conservation of energy, simple machine.

(b) GENERAL MATHS- Number System, estimation of numbers, Place value, use of symbols, word problems on number operations involving large numbers, conversions of units of length & mass, Multiples and factors, even, odd and prime/composite numbers, prime factorization, HCF and LCM, Rationale numbers. Whole numbers, Seeing patterns:- identifying and formulating, rules, Integers, Properties of integers, Fractions, Ratio and Proportion, percentages, profit & loss, work & time, velocity & distance, simple and compound interest, binomials, polynomials, basic of algebra, linear equation, quadratic equation & word related problems, Basic geometrical ideas: Line, line segment, ray. Open and closed figures. Angle - Vertex, arm, interior and exterior, Triangle, vertices, sides, angles, interior, Quadrilateral- Sides, vertices, angles, Circle- Center, radius, diameter, arc, Concept of perimeter, Data handling, Pictograph- scaling in pictographs and its interpretation. General understanding of *perimeter* using regular shapes. Shapes of different kinds with the same perimeter. Area of various regular geometric shapes. Measuring areas of different shapes with the help of graph. Concept of volume, measurement of volume using a basic unit, volume of a cube, cuboids and cylinder, Volume and capacity (measurement of capacity). Surface area of a cube, cuboids and cylinder.

(c) Environmental Science- Primary Institutions of democracy, Local bodies, State bodies, National bodies, citizen's rights in democracy, Role of panchayat and Nagarpalikas in education, health and other social services. Population growth in India: distribution, density & growth, sex ratio, rural urban composition, education, Human development indicators. Common Diseases, Deficiency diseases & Communicable diseases and their prevention. First Aid and Our Health Services at village and District Level, Natural Calamities - their causes, impact and steps to reduce the effect, Transport and Communication – their impact, Natural Resources- Air, Water, Soil and Land (Minerals, metals, non-metals), Resources and Development; Natural resources:- forest and minerals, Water resources, rivers, irrigation system and crop pattern. **Map of India:** - Location of identification, understanding of globe with special reference to Latitude, Longitude & time, Five Years plans, National freedom movement, cultural renaissance, social reformers of India.

Teaching Skill Test- For assessing the Teaching ability of the candidates:- it will interalia, include test of communication skills and teaching methodology.

FIREMAN

Scheme of Examination:

WRITTEN TEST :

SUBJECT	MAX MARKS	NUMBER OF QUESTIONS	DURATION
General Intelligence (10 th Standard) (Objective Type)	50	50	2 Hours
General Awareness (10 th Standard) (Objective Type)	50	50	
General Awareness on Fire Fighting (Objective Type)	50	50	

SYLLABUS:-

I. GENERAL INTELLIGENCE:

The questions will be of 10th Standard and would include both verbal and non-verbal type. The test may include questions on analogies, similarities and difference, space visualization, problem solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concept, figure classification, arithmetical number series, verbal and non-verbal series & mathematics of 10th Standard. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationship, mathematical computation and other analytical functions.

II. GENERAL AWARENESS:

The questions will be of 10th Standard. Questions will be designed to test the ability of the candidate's general awareness of the environment around him and its application to society. Questions will also be designed to test the knowledge of current events and of such matters of everyday observation and experience in their scientific aspects as may be expected of an 10th Standard educated person. The test will also include questions relating to India and its neighboring countries especially pertaining to Sports, History, Culture, Geography, Economic scene, General Polity including Indian Constitution and Scientific Research etc. These questions will be such that, they do not require a special study of any discipline.

III. GENERAL AWARENESS ON FIRE FIGHTING:

This test will include questions on knowledge of Fire Fighting, Operational use of Fire Fighting Equipments, life savings drills, causes of fire etc.

Grading will be done based on marks obtained in Written Test.

After the written test, the no. of candidates to be called on the basis of merit for physical test and endurance test shall be in the ratio of 1:10 ie. Ten times the no. of vacancies.

2. MEASUREMENT OF PHYSICAL STANDARDS

3. ENDURANCE TEST: Endurance Test shall be done only for those candidates who qualify in the measurement of physical standards.

The Physical test and endurance test are only of qualifying nature but failure in these tests shall be failure in the examination. Candidates will be recommended for selection on the basis of their marks or merit in the written examination only.

COOK (NIE) & COOK (CANTEEN)

a) Written Test:

PAPER	SUBJECT	MARKS	DURATION
Objective Type	i) General Cooking Knowledge	50	2 Hours
	ii) General Awareness	25	
	iii) General Intelligence	25	

SYLLABUS:-

I. GENERAL COOKING KNOWLEDGE: General knowledge on cooking

II. GENERAL AWARENESS:

Questions will be designed to test the ability of the candidate's general awareness of the environment around him and the application to society. Questions will also be designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspects as may be expected of an educated person. The test will also include questions relating to India and its neighboring countries especially pertaining to History, Culture, Geography, Economic scene, General Polity and Scientific Research.

Common General Knowledge on Hygiene and Health.

III. GENERAL INTELLIGENCE:

The questions will be of Matriculation Standard and would include questions of non-verbal type. The test may include questions on analogies, similarities and difference, space visualization, visual memory, discrimination observation, relationship concepts, 10th standard arithmetic.

2. Skill Test

Only those who qualify in the written test. Number of candidates for the Skill Test should be in the following ratio.

1 Post - 5

2 & above posts - $2x + 4$ (x=number of the post)

Syllabus for the Skill Test:

Preparing a meal as per menu

-arranging a table

-ability to serve courteously.

TELEPHONE OPERATOR GADE-II

(I) **WRITTEN TEST:**

Subject	Marks	Duration
General English	50	2 Hours
General Studies (English/Hindi)	100	
Arithmetic (English/Hindi)	50	

(II) **SKILL TEST:**

Skill Test for finding out their proficiency in handling PBX Board. This is a qualifying test only.

SYLLABUS

GENERAL ENGLISH:

Initiation to the testing of candidates understanding of the English Language and its correct usage, his writing ability would also be tested, questions Paragraph Writing/Report Writing/Letter Writing etc may be included.

GENERAL STUDIES:

Questions in this component will be aimed at testing the candidates General Awareness of the Environment around him and its application to Society. Questions will also be designed to Test Knowledge of Current Events and of such matters of everyday observations and experience in their scientific aspects as may be expected of any educated person.

The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture, Geography, Economic Scene, General Polity and Scientific Research etc. These questions will be such that they do not require a special study of any discipline.

The test will also include question relating to the knowledge of PBX Board and its operation.

ARTHEMETIC:

Questions of this component will cover number system including questions on Simplification, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentage, Average, Profit and Loss, Discount, Simple and Compound Interest, Mensuration, Time and Work, Time and Distance, Tables and Graphs etc.

(II) **SKILL TEST:**

The candidates who qualify the main examination(s) will have to undergo a Skill Test for finding out their proficiency in handling PBX Board.

- Only those candidates who secure in the Written (Main) Examination such minimum qualifying marks as may be fixed, will be eligible to be considered for appearing in the Skill Test.
- This is a qualifying test only.

MULTY TASKING STAFF (MTS)

Scheme of examination :

The examination will consist of a written test of 150 marks.

Scheme of written test :

The written test consists of one objective type multiple choice question paper as shown below :

Part	Subject	Maximum marks & Number of questions	Duration	Time duration for visually handicapped candidates
A	General Intelligence & Reasoning	25 (25 questions)	2 hours	2 hours 40 minutes
B	Numerical aptitude (10 th Standard)	25 (25 questions)		
C	General English (10 th Standard)	50 (50 questions)		
D	General Awareness (10 th Standard)	50 (50 questions)		

Note 1: Question paper will be set in English/Hindi/Marathi except part C which will be set in English.

Note 2: There will be negative marking of 0.25 marks for each wrong answer

Note 3: Merit of candidates will be decided on the basis of total marks scored in the written examination.

Note 4: Resolution of Tie cases - Tie cases will be resolved by applying one after another, as applicable till the Tie is resolved :

- (i) By referring to the marks in Part-C of the written objective type paper.
- (ii) By referring to the marks in Part-B of the written objective type paper.
- (iii) Date of birth i.e. the candidate older in age gets preference.
- (iv) By referring to the alphabetical order of the names taking first name into consideration.

Syllabus of written test :

Questions on General Intelligence and reasoning will be non-verbal. Questions on Numerical aptitude and General English will be simple, of a level that an average Matriculate will be in a position to answer comfortably. Questions on General Awareness will be also of similar standard.

A. **General Intelligence** : It would include questions of non-verbal type. The test will include questions on similarities and differences, space visualization, problem solving, analysis, judgement, decision making, visual memory, discriminating observation, relationship concepts, figure classification, arithmetical number series, non-verbal series etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationship, arithmetical computation and other analytical functions.

- B. **English language** : Candidate's understanding of the basics of English language, its vocabulary, grammar, sentence structure, synonyms, antonyms and its correct usage etc. His/her writing ability would be tested.
- C. **Numerical aptitude** : This paper will include questions on problems relating to number systems, computation of whole numbers, decimals and fractions and relationship between numbers, fundamental arithmetical operations, percentages, ratio and proportion, averages, interest, profit and loss, discount, use of tables and graphs, mensuration, Time and distance, ratio and time, Time and work etc.
- D. **General Awareness** : Questions will be designed to test the ability of the candidate's general awareness of the environment around him/her and its application to society. Questions will also be designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspects as may be expected of an educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to Sports, History, Culture, Geography, Economic scene, General Polity including Indian Constitution and Scientific Research etc. These questions will be such that they do not require a special study of any discipline.

SELECTION PROCESS FOR IE TRADESMAN

Selection process will comprise of Written Test and Trade Test (Practical)

Subject	No. of Questions	Max. Marks	Time allowed
Part –A (Objective Type) (10 th Std)	1. General science (10 questions)	10 Marks	02 Hours
	2. Quantitative Aptitude (10 questions)	10 Marks	
Part –B Objective Type	80 Questions	80 Marks	
Total :	100 Questions	100 Marks	

Written Test will be fully objective type (Multiple Choice) and OMR based. On the basis of merit list based on marks obtained in Written Test, candidates **1.25 times** the number of vacancies will be called for Trade Test (Practical)

ALL QUESTIONS WOULD BE COMPULSORY. THERE WILL BE NO NEGATIVE MARKING.

The Trade Test (Practical) is only of qualifying in nature (without any marks). The final merit list will be based on marks in the Written Examination only. However, those who fail to qualify in the Trade Test would be considered as having failed in the examination. The Final Select List will be prepared and displayed in each category separately.

Document verification: Documents would be verified at the second stage (prior to Trade Test). During document verification, the candidates will have to produce their original certificates. No additional time will be given and the candidature of the candidates not producing their original certificates on the date of verification is liable to be forfeited.

SYLLABUS:

(A) General Science (10 Questions)

Question will be aimed at testing the candidate's General Awareness of the environment around him. Question will also be designed to test knowledge of basic science studied upto 10th standard and would include such matters of every day observations as may be expected of any educated person.

(B) Quantitative Aptitude (10 Questions)

The candidate will be tested for general mathematics of upto 10th standard involving number systems, equations in two variables, simple and compound interest, perimeter, area and volume of geometrical figures, Direct and inverse proportions, Pythagoras theorem and Trigonometry.

(C) NCTVT Trade (80 Questions)

Questions from the NCTVT Syllabus of relevant trade.
