

NOTIFICATION

Departmental Examination of Civil Engineering Assistant



NOTIFICATION

Irrigation Department

Mantralay, Mumbai-400032

Dated the 19th September 2002

No. EXM-1002/(2/2002) E (Trg)- In exercise of the powers conferred by the provision to article 309 of the Constitution of India and in super session of all existing rules, orders or instruments made in this behalf, the Governor of Maharashtra, is hereby pleased to make the following rules regarding the qualifying examination and training for the post of Civil Engineering Assistant and for Departmental Examination and training for the Civil Engineering Assistants appointed by nomination in the Irrigation Department of the Government of Maharashtra, namely:-

1) **Short title.-** These rules may be called the Civil Engineers Assistants in the Irrigation Department (Qualifying Examination and Departmental Examination and Training) Rules 2002.

2) **Definitions-** In these rules unless the context requires otherwise,-

- a) "Appendix" means Appendix appended to these rules.
- b) "Chief Engineer and Principal" means the Chief Engineer and principal of the Engineering Staff college, Nashik.
- c) "Civil Engineers Assistants" means a person appointed as a Civil Engineering Assistant in accordance with the provisions of Civil Engineering Assistants, Group-C, in Irrigation Department (Recruitment) rules 2002.
- d) "Controlling Authority" means the concerned Zonal Superintending Engineer of the Irrigation Department.
- e) "Employee" means an employee of the Irrigation Department employed in any of the following categories, namely,
 - 1) Technical Assistant
 - 2) Mistry
 - 3) Muster Clerk
 - 4) Scarcity Assistant
 - 5) Time keeper
 - 6) Log Book keeper
 - 7) Laboratory Assistant
 - 8) Gauge Karkoon
 - 9) Gauging Assistant
 - 10) Assistant inspector
 - 11) Road Karkoon
 - 12) Assistant Supervisor
 - 13) Karkoon
 - 14) Tracer
- f) "Examination" means the Qualifying Examination or as the case may be Departmental Examination for the post of Civil Engineering Assistant held in

accordance with these rules and as per the syllabus prescribed under rule 3 read with Appendix 'A' and Appendix 'B'

- g) "Form" means the form appended to these rules.
- h) "Government" means the Government of Maharashtra.
- i) "Irrigation Department" means the Irrigation Department of Government.
- j) "Superintending Engineer" means the Superintending Engineering of Irrigation Department.
- k) "Superintending Engineer and Zonal Co-coordinating Officer" means the Zonal co-coordinating Officer who looks into establishment matters regarding seniority, promotion, etc. of the technical and non technical Group - C staff of the Irrigation Department.

3) Qualifying Examination and Departmental Examination and the syllabus-

Qualifying Examination or as the case may be, Departmental Examination, shall be held in accordance with these rules and the syllabus for the examination and the number of papers for the same shall be as specified in Appendix 'A' and Appendix 'B' respectively.

4) Eligibility for appearing the examination: -

(1) An employee of the Irrigation Department who,-

- i) is not eligible for absorption in the cadre of Civil Engineering Assistant ; or
- ii) appointed as a Civil Engineering Assistant by nomination, in accordance with clause(b) of rule 3 of the Civil Engineers Assistants, Group C in Irrigation Department (Recruitment) Rules 2002

and has undergone satisfactorily the five months departmental training course conducted by the Superintending Engineer under rule 5 shall be eligible for appearing the Examination.

(2) The concerned Superintending Engineer shall on the basis of seniority decide the number of, and the employees to be sent for training.

5) Training Class –

- 1) A class for imparting training to the employees and Civil Engineering Assistants shall be conducted by the concerned Superintending Engineer and the training programme shall be completed at least one month before the date of holding examination for that year.
- 2) An employee and Civil Engineering Assistants shall be permitted to attend the training class only in one session.
- 3) An employee or a Civil Engineering Assistants attending seventy five percent of the lectures of such class shall be eligible to appear for the Examination.

6) Standard of passing- A candidate shall be deemed to have passed the examination if he secures not less than thirty five percent of the total marks in the each paper at the written examination and not less than forty percent of the total marks in the practical examination for drawing and surveying and not less than forty percent in the oral examination.

7) Exemption-

- 1) A candidate who has failed to pass the examination but has secured not less than fifty per cent marks in any question paper may be exempted from appearing that paper during his subsequent attempts.
- 2) An Employee or a Civil Engineering Assistant shall on an application being made in that behalf be exempted by the concerned Superintending Engineer from passing examination if he , -
 - a) is already confirmed as a Civil Engineering Assistant in the Irrigation Department
 - b) has attained the age of forty five years.

Provided that, the loss of seniority of such candidate, if any, in accordance with the provisions of rule 11, shall not restore on account of such exemption.

- 8) **Grace marks** - A candidate who fails to obtain thirty five percent of the total marks may be given a maximum nine grace marks in not more than two individual papers, if thereby he is eligible to pass the examination.

Provided that such grace marks shall be given to only to the candidate appearing for all the papers simultaneously and does not avail the exemption as provided in sub rule (1) of rule 7 above.

- 9) **Special credit**- A candidate who obtains not less than seventy per cent of the aggregate marks at the written examination or not less than seventy percent marks in any subject at the first attempt, shall be deemed to have passed the examination with special credit and such performance shall be recorded in the confidential report of such person :

Provided that an employee or a Civil Engineering Assistant who has been allowed grace marks under rule 8 and shall not be deemed to have passed the examination with special credit.

- 10) **Period and number of chances for appearing examination** - An employee or a Civil Engineering Assistant shall be required to pass the examination in three chances and within four years from the date of first examination.

11) Effect of failure to pass the examination within the prescribed period-

- 1) An employee who fails to pass the examination within the period and number of chances prescribed in rule 10, shall not be eligible to be absorbed to the post of Civil Engineers Assistant.
- 2) A Civil Engineering Assistant appointed by nomination who fails to pass the examination within the period and number of chances prescribed in rule 10.
 - a) Shall not be entitled to any increment in pay, unless he passes the examination or has been exempted under sub rule (2) of rule 7 and
 - b) Shall not be entitled to any seniority and he shall, in the seniority list, be placed below the persons who have passed the examination prior to him or who have been so exempted under sub-rule (2) of rule 7

12) Application for examination-

- (1) An employee or Civil Engineering Assistant, desirous to appear for the examination shall apply in Form 'A' duly filled in along with a certificate in Form "B" regarding completion of training referred to in rule 5, to the Chief Engineer and Principal through his Controlling Authority so as to reach him on or before the date specified in this behalf.

- 2) The controlling Authority shall, forward the application without any delay and certify that the candidate fulfills the conditions for appearing the examination and is eligible to appear for the same.

13) Place where the examination is to be held and time for the same and other arrangements.-

- 1) The examination shall be held once in every year preferably in the months of April or May. Provided that, if for any reason the examination is not held in the year or in the month of April or May of that year, the time during which the examination was not held shall be excluded for the purposes of counting the period and number of chances under rule 10.
- 2) The examination shall be held in English or Marathi or in both languages.
- 3) The work of setting question papers, valuation and revaluation of answer sheets shall be done by the persons not below the rank of Executive Engineer of the Irrigation Department.
- 4) The Superintending Engineer and Zonal coordinating Officer having his headquarters at the place of center of the examination shall be the center in charge of the examination center and shall make all necessary arrangements for conduct of examination at the center.
- 5) The Chief Engineer and principal shall make every endeavor to declare the result of the examination declared in accordance with these rules shall be final.
- 6) An application for recounting of marks shall be made to the Controlling Authority within two months from the date of declaration of the results.

14) Conduct in examination hall-

- (1) A candidate shall be debarred from appearing the examination by the Chief Engineer and principal on the recommendation of the Controlling Authority, if during the examination he is found to have committed misconduct of any of the following nature, namely:-
 - i. Copying or referring books or records.
 - ii. Making conversation with other candidate
 - iii. Receiving help from any other candidate in any manner.
 - iv. Copying the answer paper of any other candidate.
 - v. In possession of any slip of paper, document or book, which could be useful for giving, answers.
 - vi. Tearing pages from the answer paper.

Provided that, such misconduct shall not affect, the declaration of results of the papers, which such candidate has undergone before detection of such misconduct.

- 2) Such misconduct shall be recorded in the service records of such candidate.

APPENDIX-A

(See rule 3)

Detailed syllabus of Civil Engineering Assistant Examination and Departmental examination for Civil Engineering Assistant.

(I) MATHEMATICS AND MECHANICS

(Question paper No 1)

Objective: The candidates should acquire the knowledge of basic aspect of Mathematics of S.S.C. level and fundamentals of Mechanics.

A) Mathematics:

- i. Laws of Logarithm without proof,
- ii. Use of Logarithm tables and introduction of the same with example. Use of simple calculator.
- iii. Mensuration :- Area of plane figures surfaces, volumes of prism, cones, spheres etc Area by Simpson's formula and prismoidal formula.
- iv. Geometry of triangles and circles, trigonometric ratios, simple cases of solution of right angled triangles, height and distances-trigonometrical ratios of acute angles from table, angle of elevation and depression.
- v. Graphs:- Law of the straight-line graphs.

B) Mechanics :

- i. Force:-Concept of force and definition, units, work and Energy-definition and units.
- ii. Centroid and Center of Gravity of simple regular figures and solids
- iii. Simple machines like pulleys etc- Mechanical advantage etc.

General concepts of -

- 1) Stress and strain-tension, compression and shear,- Ultimate strength and safe stress.
Modules of Elasticity.
- 2) Bending and bending moments, shear force (No diagrams)
Simple frames and trusses-sketches and names.

Term work - Nil

Practical – Nil

(II) SURVEYING (THEORY AND PRACTICE)

(Question paper No 2)

Objective- The candidate should be trained generally up to the level of First Year Engineering (Civil Degree Course) is surveying and

- i. Measurements of distances by chain and a tape, ranging, chaining on sloping ground.
- ii. Chain and compass survey-Use of chain tape cross staff, optical square, ranging rods, prismatic compass, entering the survey work in the field book and plotting of the survey work done, conventional symbols of roads, rails, bridges, telephone line, marshy lands, cemetery battle fields, rivers, temples, quarries fence, pipe, railing orchard, lake ,well, north direction, canal, embankments, curing, villages etc.
- iii. Testing and adjusting chains, errors due to in correct length of a chain etc.
- iv. Measurement-past obstacles, measurements on sloping ground.
- v. Bearings - True and magnetic, fore and back.
- vi. Levelling- Use of levelling instruments and levelling staves, use of level books-taking and plotting of longitudinal and cross section- methods of reducing the levels, applying arithmetical checks contour surveys.
- vii. Permanent, temporary adjustments and use of dumpy and tilting levels-simple leveling, compound leveling fly leveling, with single and double checks-precautions in levelling. Permissible errors and sources of errors.
- viii. Plane tabling- Use of plane table, sources of errors and limits of permissible errors.
- ix. Regarding and interpreting toposheets.
- x. Finding out areas by use of planimeter.

Term work- Practical exercise in surveying levelling, entering them in field books, level books plotting of Longitudinal compass survey, Exercises in chain and compass survey, levelling plan table survey, use of planimeter, Road alignment survey with 1 C.D. work- 1 Km. and drawings.

Practicals :

- 1) Study of 20 m/30 m chain, metallic and steel tapes, ranging roads.
- 2) Direct and Reciprocal ranging, Measurements of distance on plain and sloping ground.
- 3) Study of open cross staff, optical square and line ranger.
- 4) Chain and cross staff surveying and finding the area of a plot.
- 5) Study of prismatic compass.
- 6) Use of compass observing fore and back bearing, calculation of included angles.
- 7) Traverse survey - a simple compass survey of a closed traverse, calculations of included angles with the bearing and locating details by offsetting.
- 8) Study of dumpy-and tilting level.
- 9) Temporary adjustments of dumpy and tilting level and practice of simple levelling
- 10) Use of dumpy-and tilting levels compound levelling.
- 11) Profiles levelling with single and double levelling. Taking cross sections of dam embankment and canal excavations etc.
- 12) Computations of quantities of embankments and cuttings by plotting cross sections and using prismoidal formula.

(III) DRAWING AND ESTIMATING
(Question paper NO- 3)

Objective- The candidates should be also to understand engineering drawings, and also to prepare detailed drawing of simple structures like culverts, aqueducts, small buildings etc. He should be able to prepare simple estimate of roads, C.D. works, buildings, canals etc.

A) Drawing :

- i. Use of drawing equipment and materials scales-plain and diagonal
- ii. Conventional lines and letters used in engineering drawings.
- iii. Orthographic projections, simple cases.
- iv. Interpretation of orthographic views and drawing of mission views from gives two orthographic views.
- v. Detailed drawings of simple structures buildings with flat and sloped roof and ground floor, culverts, cross section of roads and canals making study of plan, elevation, section, site plan and schedule earthen dams and weirs.
- vi. Study of working and presentation drawings.

(B) Estimating :

- i. Definition and purpose of estimate, types of estimates, Units of measurement and standard modes of measurements.
- ii. Estimation of quantities, Taking out quantities of items of buildings as above culvert, calculating earthwork for roads and canals, entering in measurements sheets, abstracting of quantities.
- iii. Estimation of rates- Rates and estimation of costs, rate analyses of items of such as excavation, masonry concrete etc.
- iv. Materials required per cubic meter of masonry concrete brick work of per unit area of flooring, roofing etc.
- v. Detailed specifications of common items of civil engineering works like - a) Excavation b) Masonry c) Concrete d) structural steel work e) plumbing and pipe laying f) wood-work g) dewatering works etc.

Term work and Practical-

- a) Preparation of detailed drawing of simple structures of buildings, culverts, longitudinal and cross sections of roads, canals.
 - b) Preparation of a tracing and taking out ammonia prints of the drawings.
 - c) Preparation of typical estimates of building and any two of the following a road, a community well a piped or slab culvert, canal earthwork.
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(IV) CONSTRUCTION AND CONSTRUCTION MATERIALS

(Question paper No 5)

Objective- The candidates should attain working knowledge of the properties and characteristics of common building materials used in Civil Engineering works and general knowledge of various types of constructions.

A) Building Material :

- 1) Elementary knowledge of sources and physical properties and uses, common building materials like soils, gravel, murum, stone, bricks, tiles lime, cement and mortar, timber, metals, paints, varnishes, pipes, valves, asphalt steel etc.

B) Construction-

- i. Foundations- purpose-safe bearing capacity of different strata-types of foundations like open wells, piles etc, shorting and structuring of foundations trenches.
- ii. Safe load bearing capacities of
 - a) soils and various strata
 - b) different materials and
 - c) different types of masonry and concrete.
- iii. Various types of masonry with their specifications such as stone masonry brick works, concrete, hollow-blocks etc. Bonds in brick work.
- iv. Superstructure-land bearing walls.
- v. Construction of various types of doors, windows and ventilators.
- vi. Fixing of wooden and steel frames in wall
- vii. Various types of staircases and their layouts.
- viii. Floors various type with their specifications and suitability floor finishes like tiles, shahabad , stones mosaic finishes etc.
- ix. Various types of roofs and roof covering with specifications joints in the trusses and at valleys and hips.
- x. Cement concrete plain / reinforced / pre-cast with different mixes along with their properties and suitability for different works constructions, specifications, Admixtures and waterproof, form work and centering curing, removal of forms detailed specifications for concrete works.
- xi. Finishing items like plastering, white washing distempering, painting etc.
- xii. Plumbing items like drainage line and sanitary fittings, water supply lines and fittings and their testing.
- xiii. Construction of earthwork in embankment, earthwork in cutting, rolling of bank work.
- xiv. Tests of quality control and their frequency for common items of civil Engineering works.
- xv. Inspection of Buildings.
- xvi. Maintenance of buildings

Terms work and practicals-

(V) GENERAL CIVIL ENGINEERING

(Question paper No. 6)

Objectives : The candidate should acquire some preliminary knowledge about hydraulics geology, construction plant and equipment.

A) Hydraulics :

- iii. Elementary knowledge of pressure, pressure head discharge energy and units of measurement.
- iv. Flow of water, discharge through orifices notches, pipes and open channels (simple case only)
- v. Rainfall run off and their variation methods of rain and river flow gauging.
- vi. Measurements of hydraulic flows, river gauging, measurements of flow in open channels pipes etc.

(B) Geology :-

- i. General geology of Maharashtra types of rocks and soils, Classification of strata/surface investigations, taking trial pits, trial bores etc and recording the results.
- ii. Types and general characteristics of common types of rocks, soils, metal with their engineering properties and uses.
- iii. Quarrying operations.
- iv. Taking trial pits, trial bores etc classifying and logging the strata.

(C) Construction Plant and Equipments:-

- i. Use of working of Road Rollers, Truck Tippers, Concrete mixers, Asphalt Mixers, stone crushers, Air compressor , Motor Grinders, Shovels, Bull-Dozers, Scrapers, Generators, Pumps, welding sets etc.
- ii. Keeping of log books of the machinery.
- iii. Idea about output of different machines.

Terms work and Practical -

- i. River gauging and subsurface investigations Gauge bore registers.
- ii. Measurement of hydraulic flows, and classification of strata from trial pits and bores measuring devices used.

D) Roads :

- 1) Classification of Roads and geometric standard.
- 2) Road project. Survey and investigation.
- 3) Road alignment, gradient and curves (Simple and compound) safe sight distance.
- 4) Roads in plan and hilly area.

- 5) Road surface different types-Earth road W.B.M. asphalted roads, specification of important items
- 6) Construction and maintenance of Road (Pot hole filling), culverts, Bridge etc. Road drainage, speed breakers, diversion.
- 7) Construction of earth work in embankment earth work in cutting, rolling of bank work.
- 8) Arbor culture
- 9) Masonry Register.
- 10) Road charts.
- 11) Traffic intensity and traffic census.
- 12) Traffic signs, standard warning signs, prohibitory signs, Mandatory signs, Informative signs, Traffic safety precautions.
- 13) Machinery required for road construction, Roller asphalt boiler, vibrators, asphalt mixer, pave finisher, Hot mix plant etc. trucks tippers , stone crusher, Air compressor, shovel bull dozers, pumps, welding set etc. keeping log book of the machinery, Idea about output of different machines.
- 14) Quality Control and Testing of road material, Design of road crust C.B.R.
- 15) Earthwork-Banking and cutting C/s, L/s or E/w lining out banks and giving profiles, center line and reference stone in cutting.
- 16) Acquisition of land.
- 17) Prevention of Ribbon Development and Bombay Highway Act.
- 18) Foot paths, guard rails, pedestrian crossing, subways pedestrian, bridges etc.
- 19) Indian Road Congress specification in general IRC 10 of 1961
- 20) Accident reporting maintenance of data in prescribed form.

E) Bridges :-

- 1) Survey-selection of site preparation of survey data for Major and Minor bridges and culvert.
 - 2) No of spans economic spans, scour depth, afflux right angle and skew crossing.
 - 3) Classification of Bridge, their standers, loading.
 - 4) Types of crossings, natural causeways submersible bridge, High level bridges.
 - 5) Various types of foundations-open pile raft well sinking etc.
 - 6) Sub-structure-Abutment, piers, Wing walls, Returns.
 - 7) Superstructure-different types, Arches, Concrete dike, solid slab pier cap, bearings, wearing coat, parapet, water spots, approach slab, pitching.
 - 8) Specification of important items for Bridge,
 - 9) Maintenance and repairs of bridges :
 - Pre-monsoon and post-monsoon inspection , various problems in maintenance under mining, outflanking etc.
 - 10) Keeping records of H.F.L. O.F.L., L.W.K. and duration of obstruction to traffic due to floods.
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(VI) CONSTRUCTION MANAGEMENT AND CONSTRUCTION STORE ACCOUNTS

(Question Paper No 7)

(A) Management of works.

- i. Organisation of any work type of agency departmental or through a contractor watch materials economically. Ordering of quantities and inspecting quality of materials prior stocking and protection, avoiding misuse and wastage and pilferage of materials, timely arrangement of labor and materials as well as equipment check on consumption of materials.
- ii. Labor welfare and Labor laws.
- iii. Outlines of the Civil Engineering contractor for works document of contracts, kinds of contracts, conditions of contracts earnest money, security deposit time limit of compensation, termination of contract, extra items, Preparation of bills, supply of materials in schedule 'A' (To be supplied by the Department)

(B) Accounts of works and stores -

- i. Rules for maintenance and use, of muster rolls and measurement books taking measurement of work done on muster roll-submission of daily Labor reports and output of work.
- ii. Knowledge of store accounts and their maintenance and periodic checking e.g. (a) Stock, (b) Materials at site, (c) Road Metal Return, (d) Tools and plants, (e) History sheet and log Books of machines, (f) Consumption account of material such as cement, steel etc.
- iii. Rate lists.
- iv. Models of payments to the contractors.
- v. Accounting-use of materials on works entrusted to contractor or done departmentally tallying actual use with the requirement according to output.
- vi. Introducing to EGS, maintenance of EGS, muster roll and rules and regulations.

Terms work based on theory. :

- i. To enter daily Labor report and complete N.M.R.
 - ii. To take measurements of work done and enter in Measurement Book for various work.
 - iii. To fill forms of materials at site account, output of work.
 - iv. To enter cement consumption statement (Daily and weekly)
 - v. To enter logbook of vehicles.
 - vi. To enter bin cards and all types filed registers.
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Form A
(See rule 12)
PART- I

Name of the candidate and address

letter No.

Date : / / 2005

To,

The Chief Engineer and Principal
Engineering Staff College,
Dindori Road, Nasik-4

(Through controlling Authority)

Subject - Application Regarding Qualifying/Departmental examination of Civil Engineering Assistants in the Irrigation Department to be held in the Year.....

Respected Sir,

I intend to appear for the Qualifying/Departmental examination of Civil Engineering Assistants in the Irrigation Department for the Year..... to be conducted by Engineering Staff College, Nasik.

In this context, I am submitting duly filled in prescribed application form to you through proper channel.

I am aware of the syllabus/Rules and regulations of this examination and do hereby declare that what is stated in the application form is true and perfect to the best of my information and belief.

Yours faithfully,

Signature:

Name:

Address:

For use of the Engineering Staff College, Nashik

Office Registration Number

Office Registration Date

PART-2

1) Name of the applicant.:-

Surname

First Name

Middle Name

2) Full address for communication:- At post -
Pin code

Dist -

3) Personal marks for identification: -
as per the record of Service Book.

4) Name of the present office.

- A. Sub Division -
- B. Division -
- C. Department -
- D. District of the Head Quarter -

5) Educational Qualification of the candidate :

- A. Name of highest examination passed -
- B. Year and date of the examination passed at 'A'
- C. Percentage secured in the examination at 'A'
- D. Whether Technical Assistant's Examination is passed or not?

(If yes Give details of center of examination and year of the examination and endorse attested copy of certificate regarding passing the examination)

- E. Whether five months departmental training course is completed or not? if yes, on what date?

6) Technical Assistant :

Information regarding service on the post of
Technical Assistant/ service on the other post.

- A) Date of appointment on the post of
Technical Assistant / on the other post. -
- B) Present post and the date from
which working on the present post. -
- C) Length of service on present

post till the date of the examination. -

7) Total length of service in Irrigation Department . - Years Months.

8) Brief information regarding experience -
and period about Technical work.

9) Whether familiar with duties and Responsibilities
of post of Technical assistant or not? –

10) Whether appeared for this examination previously.

If yes,

A) Date of examination and year -

B) Exempted question paper and marks secured.-

11) Desirous examination center for the examination.

12) A candidate who fails in one or more than one Question paper but has secured not less than fifty percent marks in any Question paper of the remaining Question Papers shall be eligible to appear for the examination of the Question Papers in which he has failed. But he has to secure not less than thirty five percent marks in the written examination and not less than forty percent marks in the practical examination and oral examination in that paper.

A. Name of the Question Papers to be appeared . -

Yours faithfully,

(Signature of the Candidate)

Name :

Designation :

Date :

Place :

PART – 3

(This part is to be filled in by the concerned Head of office of the candidate)

A. For field office :-

Office of the

Date.:-

Forwarded to for further necessary action

- 1) The applicant has undergone satisfactorily the five months departmental training course.
- 2) The application has appeared.....times for this examination.
- 3) The information filled in application is verified from applicant's Service Book and found correct.

Place :-

Date :-



Executive Engineer
Stamp

PART-4

A) (For use of the Engineering Staff College, Nashik.)

- 1) Inward/ Registration Number of the application :-
- 2) Registration Date :-
- 3) Errors found in the application :-
- 4) Whether the applicant is informed regarding errors found :-
- 5) Whether errors are fulfilled :- Yes / No
- 6) Signature and date of the scrutiny servant.:-

Signature of the scrutiny officer
Desk officer professional Examination.(2)

Allowed to appear for the examination / Disallowed to appear for the examination.

Examination seat Number and date.....

Deputy Director
Engineering Staff College,
Nashik

(B) For use of the controlling Authority

Office of
.....
.....
Date.....

To,
The Chief Engineer and Principal
Engineering Staff College,
Nashik

Information filled in by the applicant in part –2 of the application is verified and found correct. Applicant is eligible to appear in this examination as per the rules. The application is hereby recommended to allow to appear for examination for the year.....

Controlling Authority and
Zonal Superintending Engineer

Stamp

Address to be given by the candidate

Note- The candidate should fulfill address three times in the space given below.

(Address must include Candidates name, Name of the building/Name of the road/Name of the village/ Post, Taluka, Dist, Clearly)

1.

2.

3.

FORM B

(See rule 12)

Proforma of certificate regarding the candidate has undergone satisfactorily the five months departmental training course.

(In three copies)

Address of the candidate

.....
.....
.....

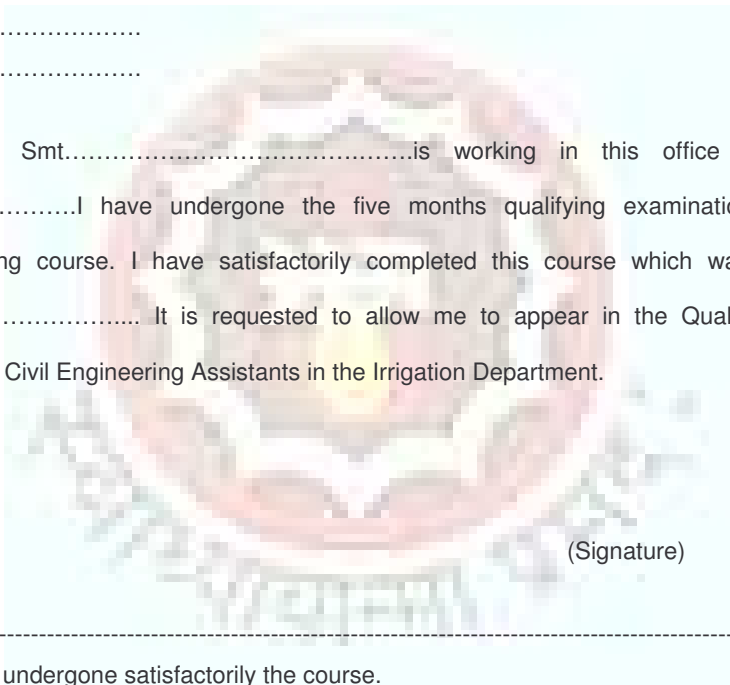
Date.....

To,

.....
.....
.....

Sir ,

I Shri / Smt.....is working in this office on the post ofI have undergone the five months qualifying examination / Departmental examination training course. I have satisfactorily completed this course which was conducted fromto..... It is requested to allow me to appear in the Qualifying/Departmental Examination of the Civil Engineering Assistants in the Irrigation Department.



(Signature)

The candidate has undergone satisfactorily the course.

The candidate has not undergone satisfactorily the course.

Signature and Stamps of
the Superintending Engineer

Note:- A copy of this application must be kept for the office record and in the Service Book of the candidate.

APPENDIX –B

(See Rule-3)

Programme for the Qualifying for absorption to the post of Civil Engineering Assistants
Departmental Examination of the Civil Engineering Assistants appointed by nomination in the
Irrigation Department.

Paper Number	Subject	Nature of Examination	Duration	Total Marks	Minimum Marks for passing
1.	2.	3.	4.	5.	6.
1	Mathematics and Mechanics	Written	3 Hours	100	35
2	Surveying	Written	3 Hours	100	35
3	Drawing and estimation	Written	3 Hours	100	35
4	Drawing	Practical	3 Hours	100	40
5	Construction and construction Material	Written and oral	3 Hours	100 50	35 20
6	General Civil Engineering	Written	3 Hours	100	35
7	Construction Management and works and stores Accounts	Written and oral	3 Hours	100 50	35 20
8	Survey	Practical	3 Hours	100	40
Total :				900	

By order and in the name of Governor of Maharashtra.

Sd/-

(S.V. Sodal)

Secretary to Government