काठमाण्डौ उपत्यका खानेपानी लिमिटेड प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

पाठ्यक्रम योजनालाई निम्नानुसारका दुई चरणमा विभाजन गरिएको छ:

 प्रथम चरण : लिखित परीक्षा
 पूर्णाङ्ग :- २००

 द्वितीय चरण : अन्तर्वार्ता
 पूर्णाङ्ग :- ३०

परीक्षा योजना (Examination Scheme)

१.प्रथमचरणः – लिखित परीक्षा

पूर्णाङ्ग :- २००

पत्र	विषय	पूर्णाङ्क	उतीर्णाङ्ग	परीक्षा प्रणाली	प्रश्नसंख्याxअङ्क	समय
प्रथम	सेवा (प्राविधिक	900	४०	वस्तुगत - बहुवैकल्पिक प्रश्न(MCQ)	५० प्रश्नx २ अङ्क	४५ मिनेट
द्वितीय	विषय) सम्बन्धी तथा सामान्य र संस्थागत ज्ञान	900	४०	विषयगत- छोटो उत्तर आउने प्रश्न	⊏ प्रश्नx ५अङ्क २ ह	२ घण्टा
				विषयगत- लामो उत्तर आउने प्रश्न	६ प्रश्न x १०अङ्क	३० मिनेट

२. द्वितीय चरण: –अन्तर्वार्ता

पूर्णाङ्क :- ३०

विषय	पूर्णाङ्ग	परीक्षा प्रणाली
अन्तर्वार्ता	30	मौखिक

द्रष्टव्य :

- 9. यो पाठ्यक्रमको योजनालाई प्रथम चरण र द्वितीय चरण गरी दुई भागमा विभाजन गरिएको छ।
- २. लिखित परीक्षाको माध्यम भाषा नेपाली वा अंग्रेजी अथवा नेपाली र अंग्रेजी दुवै हुनेछ ।
- ३. प्रथम र द्वितीय पत्रको पत्रको विषयवस्तु एउटै हुनेछ ।
- ४. प्रथम र द्वितीय पत्रको लिखित परीक्षा छुट्टाछुट्टै हुनेछ ।
- प्र. वस्तुगत बहुवैकित्पक (Multiple Choice) प्रश्नहरुको गलत उत्तर दिएमा प्रत्येक गलत उत्तर बापत २० प्रितशत अङ्ग कट्टा गिरनेछ । तर उत्तर निदएमा त्यस बापत अङ्ग दिइने छैन र अङ्ग कट्टा पिन गिरने छैन ।
- ६. वस्तुगत बहुवैकित्पिक हुने परीक्षामा परीक्षार्थीले उत्तर लेख्दा अंग्रेजी ठूलो अक्षर (Capital letter) A,B,C,D मा लेख्नुपर्नेछ । सानो अक्षर (Small letter) a,b,c,d लेखेको वा अन्य कुनै सङ्केत गरेको भए सबै उत्तरपुस्तिका रद्द हुनेछ ।
- ७. बहुवैकल्पिक प्रश्नहरू हुने परीक्षामा कुनै प्रकारको क्याल्कुलेटर (Calculator)प्रयोग गर्न पाइने छैन ।
- परीक्षामा सोधिने प्रश्नसंख्या, अङ्क र अङ्कभार यथासम्भव सम्बन्धित पत्र /विषयमा दिइए अनुसार हुनेछ।
- ९. विषयगत प्रश्न हुने पत्रका हकमा प्रत्येक खण्डका लागि छुट्टाछुट्टै उत्तरपुस्तिकाहरू हुनेछन् । परीक्षार्थीले प्रत्येक खण्डका प्रश्नहरूको उत्तर सोही खण्डको उत्तरपुस्तिकामा लेख्नुपर्ने छ ।
- 90. यस पाठ्यक्रम योजना अन्तर्गतका पत्र/विषयका विषयवस्तुमा जेसुकै लेखिएको भए तापिन पाठ्यक्रममा परेका कानून, ऐन, नियम, विनियम तथा नीतिहरु परीक्षाको मिति भन्दा ३ मिहना अगािड (संशोधन भएका वा संशोधन भई हटाईएका वा थप गरी संशोधन भई) कायम रहेकालाई यस पाठ्कममा परेको सम्भन् पर्दछ ।
- ११. प्रथम चरणको परीक्षाबाट छनौट भएका उम्मेदवारलाई मात्र द्वितीय चरणको परीक्षामा सम्मिलित गराइनेछ ।
- १२. पाठ्यक्रम लागू मिति :- २०८१/४/१९

काठमाण्डौ उपत्यका खानेपानी लिमिटेड प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

प्रथम र द्वितीय पत्र :- सेवा (प्राविधिक विषय) सम्बन्धी तथा सामान्य र संस्थागत ज्ञान

सेवा सम्बन्धी : खण्ड (क)

1. Civil Engineering Drawing

- 1.1 General
 - 1.1.1 Importance, aims and objectives of drawing
 - 1.1.2 Drawing equipments
 - 1.1.3 Standard drawing sheets sizes
 - 1.1.4 Drafting techniques and methods in common practice
 - 1.1.5 Scales: Choice, use and conversion
- 1.2 Measured Drawing
 - 1.2.1 Methods of measurement of horizontal and vertical dimensions
 - 1.2.2 Sectional measurements
 - 1.2.3 Dimensioning of sketches
 - 1.2.4 Checking for missing details in field
- 1.3 Working Drawing
 - 1.3.1 Role of working drawing
 - 1.3.2 Interrelationship with estimate and specification
 - 1.3.3 Construction detailing in plan and section
 - 1.3.4 Significance of detailing in terms of accuracy of estimation, bill of quantities and construction supervision
 - 1.3.5 Working drawing for private and public buildings, sanitary installation, electrification
 - 1.3.6 Structural working drawings

2. Estimating and Costing

- 2.1 General
 - 2.1.1 Purpose of estimating
 - 2.1.2 Main items of work
 - 2.1.3 Units of measurement and payment of various items of work and materials
 - 2.1.4 Degree of accuracy
 - 2.1.5 Standard estimate formats of Government of Nepal
 - 2.1.6 Data for estimate
 - 2.1.7 Preliminary estimate, Approximate quantity estimate, Detailed estimate and Revised estimate
- 2.2 Rate Analysis
 - 2.2.1 Manufactures' cost
 - 2.2.2 Transportation cost
 - 2.2.3 Overheads
 - 2.2.4 Need for contingencies
 - 2.2.5 Use of Government Rate Analysis Norms
- 2.3 Specifications
 - 2.3.1 Purpose, Types and Necessity
 - 2.3.2 Interpretation of Specifications
- 2.4 Estimating
 - 2.4.1 Earthwork
 - 2.4.2 Estimate of buildings

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरिसयर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 2.4.3 Estimate of sanitary installations
- 2.4.4 Estimate of electrical wiring and sanitary works
- 2.4.5 Annual maintenance
- 2.5 Valuation
 - 2.5.1 Purpose and Methods of valuation
 - 2.5.2 Standard formats used for Property Valuation in Nepal

3. Management

- 3.1 Organization
 - 3.1.1 Need for organization
 - 3.1.2 Building agencies
 - 3.1.3 Structure of the Department of Urban Development and Building construction
 - 3.1.4 Responsibilities of a building sub engineer
 - 3.1.5 Relation between owner, contractor and consultants
- 3.2 Accounts
 - 3.2.1 Familiarity with related Nepalese accounting system
 - 3.2.2 Administrative approval and technical sanction
- 3.3 Planning and Control
 - 3.3.1 List of activities
 - 3.3.2 Construction, Equipment and materials schedule
 - 3.3.3 Construction stages and operations
 - 3.3.4 Bar Chart
- 3.4 Building By-laws
 - 3.4.1 Sheet sizes, Scales, Setback, Height controls, FAR

4. Surveying

- 4.1 General
 - 4.1.1 Primary divisions of survey
 - 4.1.2 Classification based on instruments and on methods
 - 4.1.3 Basic principle of surveying
 - 4.1.4 Scales, plans and maps
 - 4.1.5 System of field booking of surveying and levelling data
 - 4.1.6 Theodolite survey
- 4.2 Levelling
 - 4.2.1 Classification of levelling work
 - 4.2.2 Methods of levelling
 - 4.2.3 Levelling instruments and accessories
 - 4.2.4 Principles of levelling
 - 4.2.5 Temporary and permanent adjustments of a level
 - 4.2.6 Profile levelling
 - 4.2.7 Booking and reducing levels
- 4.3 Errors and their effects
 - 4.3.1 Kinds of errors
 - 4.3.2 Source of errors in chaining, levelling, plane tabling and compass surveying
 - 4.3.3 Effects of errors
- 4.4 Plane Tabling
 - 4.4.1 Equipments used
 - 4.4.2 Working operations
 - 4.4.3 Methods of plane tabling

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 4.4.4 Merits and demerits of plane tabling
- 4.5 Contouring
 - 4.5.1 Definitions of terms
 - 4.5.2 Use contour maps
- 4.6 Setting out
 - 4.6.1 Small buildings
 - 4.6.2 Simple curves
 - 4.6.3 Locating the boundaries of farm lands

5. **Building Service**

- 5.1 Water Supply
 - 5.1.1 General principle of water supply
 - 5.1.2 Water requirement standard for different buildings
 - 5.1.3 Storage and distribution of water
 - 5.1.4 Heating of water, storage and distribution requirements
- 5.2 Disposal system
 - 5.2.1 Septic tank, soak pit, vent and manhole
 - 5.2.2 Pipes for different sewage
 - 5.2.3 Incinerators
- 5.3 Electricity
 - 5.3.1 General principles of electrical installation and distribution
 - 5.3.2 Wiring systems in private and public building
 - 5.3.3 Ducts for electrical distribution
 - 5.3.4 Safety precautions
- 5.4 Lighting
 - 5.4.1 General principles of lighting
 - 5.4.2 Illumination requirements and standards
 - 5.4.3 Combination of artificial and natural light
 - 5.4.4 Lighting fixtures

सेवा सम्बन्धी : खण्ड (ख)

6. Construction Materials

- 6.1 Stone
 - 6.1.1 Rocks and their characteristics
 - 6.1.2 Formation and availability of stones in Nepal
 - 6.1.3 Quarrying: excavation, Wedging and blasting
 - 6.1.4 Methods of laying and construction with various stones
- 6.2 Aggregates
 - 6.2.1 Fine aggregates
 - 6.2.2 Coarse aggregates
 - 6.2.3 Availability and practice in Nepal
- 6.3 Cement
 - 6.3.1 Different cements: ingredients, properties and manufacture
 - 6.3.2 Storage and transport
 - 6.3.3 Admixtures
- 6.4 Metals and Alloys
 - 6.4.1 Wrought iron: Properties, use
 - 6.4.2 Steel: composition, properties, appearance, strength, constructional forms and manufacture

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 6.4.3 Corrosion and its prevention
- 6.4.4 Brass: uses
- 6.5 Brick
 - 6.5.1 Type
 - 6.5.2 Manufacture
 - 6.5.3 Laying
 - 6.5.4 Availability and practice in Nepal
- 6.6 Lime
 - 6.6.1 Manufacture
 - 6.6.2 Types and properties
 - 6.6.3 Uses
- 6.7 Paints and Varnishes
 - 6.7.1 Type and selection
 - 6.7.2 Preparation techniques
 - 6.7.3 Uses
- 6.8 Floor Finishes
 - 6.8.1 Punning
 - 6.8.2 Tiles: mosaic, clay, concrete, vinyl
 - 6.8.3 Marble and flagstones
 - 6.8.4 Wooden boarding and parqueting
- 6.9 Wall Finishes
 - 6.9.1 Plasters: cement, lime, mud
 - 6.9.2 Punning: cement, lime
 - 6.9.3 Cladding: wood, stone, tiles
- 6.10 Roofing Materials
 - 6.10.1 Clay tiles, ceramic tiles and states
 - 6.10.2 CGI and UPVC
- 6.11 Miscellaneous Materials
 - 6.11.1 Glass
 - 6.11.2 Plastics
 - 6.11.3 Asphalt and Bitumen
 - 6.11.4 Surkhi

7. Structural Design

- 7.1 Timber Structures
 - 7.1.1 Allowable stresses
 - 7.1.2 Design of compression members
 - 7.1.3 Design of solid rectangular beams, design of simple steel beams
 - 7.1.4 Types of joints and their connections
- 7.2 Steel Structures
 - 7.2.1 Rivetted and welded connections: types, uses, detailing
 - 7.2.2 Detailing of simple roof trusses
 - 7.2.3 Detailing of rolled steel beams
 - 7.2.4 Detailing of column bases
- 7.3 R.C. Sections in Bending
 - 7.3.1 Basis assumptions
 - 7.3.2 Position of neutral axis
 - 7.3.3 Moment of resistance
 - 7.3.4 Under reinforced, over reinforced and balanced sections
 - 7.3.5 Analysis of singly and doubly reinforced rectangular sections

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 7.3.6 Analysis of singly reinforced flanged sections
- 7.4 Shear and Bond for Reinforced Concrete (RC) Sections
 - 7.4.1 Behaviour of R.C. section in shear
 - 7.4.2 Shear resistance of R.C. section
 - 7.4.3 Types of shear reinforcement and their design
 - 7.4.4 Local and anchorage bond
 - 7.4.5 Determination of anchorage length
 - 7.4.6 Bar curtailment
- 7.5 Axially Loaded R.C
 - 7.5.1 Short and long columns
 - 7.5.2 Design of a rectangular column section
 - 7.5.3 Reinforcement detailing
- 7.6 Design and Detailing of R.C Structures
 - 7.6.1 IS code requirements
 - 7.6.2 Methods of design
 - 7.6.3 Singly reinforced T and L beams
 - 7.6.4 Simple one-way and two-way stabs
 - 7.6.5 Simple pad footings for columns
 - 7.6.6 Preparation of bar bending for RC design
- 7.7 Earthquake Resistant Design of Non-engineered Structures
 - 7.7.1 History of Earthquake in Nepal and damages
 - 7.7.2 Weakness of existing building
 - 7.7.3 Site consideration
 - 7.7.4 Building form, shape and size
 - 7.7.5 Size and location of openings
 - 7.7.6 Selection of materials
 - 7.7.7 Construction technology
 - 7.7.8 Seismic resistant components: through stone, vertical and horizontal reinforcement, diaphragm, boxing of building, lateral restrainers, unsupported length of wall, corner and junction of wall/connection of building components

8. **Building Construction Technology**

- 8.1 Foundations
 - 8.1.1 Function and necessity
 - 8.1.2 Subsoil exploration: test pit
 - 8.1.3 Safe bearing capacity of soils and its improvement
 - 8.1.4 Type and suitability of different foundations: shallow, deep (pile and well)
 - 8.1.5 Methods of excavating
 - 8.1.6 Shoring and dewatering
 - 8.1.7 Elements of simple spread foundation
 - 8.1.8 Stone masonry foundations
 - 8.1.9 Raft foundation
- 8.2 Walls
 - 8.2.1 Types of walls: solid wall, partition wall, cavity wall, curtain wall
 - 8.2.2 Features and their functions
 - 8.2.3 Types of stone masonry: rubble, hammer dressed and ashlars masonry
 - 8.2.4 Brick Masonry: English, Flemish, garden rat trap, monk
 - 8.2.5 Types of concrete blocks
 - 8.2.6 Choosing wall thickness, height to length relation

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 8.2.7 Use of scaffolding
- 8.2.8 Procedure of constructing various masonry walls
- 8.3 Damp Proofing
 - 8.3.1 Source of dampness
 - 8.3.2 Remedial measures to prevent dampness
 - 8.3.3 Vertical and horizontal damp proofing
 - 8.3.4 Damp proofing materials
- 8.4 Concrete Technology
 - 8.4.1 Constituents, mixing and use of lime concrete
 - 8.4.2 Constituents, of cement concrete
 - 8.4.3 Grading of aggregates
 - 8.4.4 Concrete mixes
 - 8.4.5 Water cement ratio
 - 8.4.6 Workability
 - 8.4.7 Concrete laying
 - 8.4.8 Factors affecting strength of concrete
 - 8.4.9 Form work
 - 8.4.10 Vibrators
 - 8.4.11 Curing
 - 8.4.12 General introduction to Precast RC units
 - 8.4.13 Hydration and segregation
- 8.5 Wood Work
 - 8.5.1 Frame and shutters of doors and windows
 - 8.5.2 Timber construction of upper floors
 - 8.5.3 Design and construction of stairs
 - 8.5.4 Double timber roofs
 - 8.5.5 False ceiling
 - 8.5.6 Sky-light: elements, functions and construction details
- 8.6 Steel Work
 - 8.6.1 Steel work in windows: Standards, elements and functions
 - 8.6.2 Tubular and angle steel roofs
 - 8.6.3 Iron grill and lattice work

9. **Building Design**

- 9.1 Analysis of Building Elements
 - 9.1.1 Bed and wardrobe
 - 9.1.2 Kitchen/Dining
 - 9.1.3 Living Hall
 - 9.1.4 Class Room
 - 9.1.5 Working Office Space
 - 9.1.6 Library
 - 9.1.7 Overall Interior Design
- 9.2 Design Consideration
 - 9.2.1 Specific program: space requirements
 - 9.2.2 Site: topography, orientation, environment
 - 9.2.3 Functional relationship between activities
 - 9.2.4 Culture: tradition, values, taste
 - 9.2.5 Economics: efficient use of space and materials
 - 9.2.6 Availability to technology and material
 - 9.2.7 Structure type and efficiency

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 9.2.8 Optimum use of natural light and ventilation
- 9.2.9 Aesthetics
- 9.3 Climatology
 - 9.3.1 Climate: sun, wind, rain, humidity
 - 9.3.2 Orientation of the building with respect to the sun and wind: best, optimum, bad
 - 9.3.3 Determination of length of roof projection to act as sunshade

10. Architectural Modelling

- 10.1 Modelling Materials and Practices
 - 10.1.1 Use of models
 - 10.1.2 Choice of materials
 - 10.1.3 Modelling techniques
 - 10.1.4 Accuracy of models
 - 10.1.5 Determination of degree of detailing
 - 10.1.6 Model construction of multi-storey buildings
 - 10.1.7 Contour models of sites
- 10.2 Equipments Required
 - 10.2.1 Choice of cutting tools
 - 10.2.2 Choice of adhesives
 - 10.2.3 Choice of colour and tone
 - 10.2.4 Choice of paint and brushes
 - 10.2.5 Miscellaneous tools

11. Graphics and presentation

- 11.1 Principles of Composition
 - 11.1.1 Balance
 - 11.1.2 Scale
 - 11.1.3 Rhythm
 - 11.1.4 Monotony
 - 11.1.5 Contrast
 - 11.1.6 Unity
 - 11.1.7 Focal point
- 11.2 Tone
 - 11.2.1 Light
 - 11.2.2 Medium
 - 11.2.3 Dark
 - 11.2.4 Flat
 - 11.2.5 Graded
- 11.3 Free Hand Works
 - 11.3.1 Drawing lines
 - 11.3.2 Drawing letters
 - 11.3.3 Three dimensional objects
- 11.4 Presentation
 - 11.4.1 Textures
 - 11.4.2 Exterior and interior objects
 - 11.4.3 Human figures
 - 11.4.4 Shadows
- 11.5 Medium for Presentation
 - 11.5.1 Pencil techniques

प्राविधिक सेवा, आर्किटेक्ट समूह, तह ५, आर्किटेक्ट ओभरसियर पदको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 11.5.2 Colour history and type: pencil colour, water colour, Poster colour
- 11.5.3 Primary, secondary and tertiary colours
- 11.5.4 Warm and cool colours
- 11.5.5 Properties of colour
- 11.5.6 Colour circle
- 11.5.7 Colour scheme: monochromatic, analogous, complementary and triad
- 11.6 Data Presentation in Graphical Forms
 - 11.6.1 Translation of numerical data into diagrams and vice versa
 - 11.6.2 Pie chart, bar chart and XY graphs
- 11.7 Cartography
 - 11.7.1 Tracing of land-use maps
 - 11.7.2 Presentation of land-use maps

सामान्य र संस्थागत ज्ञान : खण्ड (ग)

12. संविधान, ऐन र नियमहरु तथा संस्थागत ज्ञान

- 12.1 नेपालको भूगोल धरातिलय स्वरुप, जलवाय, हावापानी र जनजीवन
- 12.2 नेपालका प्राकृतिक स्रोत र साधनहरु सम्बन्धी जानकारी
- 12.3 नेपालको ईतिहास- नेपालको ईतिहासका महत्वपूर्ण घटनाहरु
- 12.4 नेपाली समाजका परम्परा, सामाजिक मूल्य र मान्यता, धर्म, जातजाति र भाषा
- 12.5 नेपालको राजनैतिक विभाजन, संघ प्रदेश र स्थानीय तह सम्वन्धी सामान्य जानकारी
- 12.6 नेपालको संविधान (भाग १ र ३)
- 12.7 विज्ञानका महत्वपूर्ण उपलब्धिहरु सम्बन्धी सामान्य जानकारी
- 12.8 राष्ट्रिय तथा अन्तर्राष्ट्रिय महत्वपूर्ण समसामियक घटनाहरु
- 12.9 काठमाण्डौ उपत्यका खानेपानी लिमिटेडको स्थापना, लक्ष्य, उद्देश्य र प्रमुख कार्यहरु
- 12.10 काठमाण्डौ उपत्यका खानेपानी लिमिटेडको कर्मचारी सेवा शर्त सम्बन्धी विनियमावली
- 12.11 काठमाण्डौ उपत्यका खानेपानी लिमिटेडआर्थिक प्रशासन बिनियमावली
- 12.12 सार्वजनिक खरिद ऐन, २०६३ (परिच्छेद १ र २) तथा सार्वजनिक खरिद नियमावली,२०६४
- 12.13 वातावरण संरक्षण ऐन, २०७६
- 12.14 Public Private Partnership (PPP) को अवधारणा

प्रथम पत्रको लागि निम्नानुसार प्रश्नहरु सोधिने छ ।

प्रथम पत्र (वस्तुगत)							
विषय	खण्ड	परीक्षा प्रणाली	अङ्गभार	प्रश्न संख्या			
सेवा सम्बन्धी	(क)	बहुवैकल्पिक प्रश्न (MCQs)	४०	२० प्रश्न X २ अङ्क = ४०			
त्या तम्याया	(ख)		४०	२० प्रश्न ×२ अङ्क = ४०			
सामान्य र संस्थागत ज्ञान	(ग)	7 (MCQ3)	२०	१० प्रश्न ×२ अङ्ग = २०			

द्वितीयपत्रको लागि निम्नान्सार प्रश्नहरु सोधिनेछ ।

द्वितीय पत्र (विषयगत)							
विषय	खण्ड	अङ्गभार	छ्रोटो उत्तर	लामो उत्तर			
मेन गानकी	(क)	४०	४ प्रश्न 🗙 अङ्क = २०	२ प्रश्न ×१० अङ्क = २०			
सेवा सम्बन्धी	(ख)	४०	४ प्रश्न Х५ अङ्क = २०	२ प्रश्न ×१० अङ्क = २०			
सामान्य र संस्थागत ज्ञान	(ग)	२०	४ प्रश्न 🗙५ अङ्क = २०	-			