

ANDHRA PRADESH PUBLIC SERVICE COMMISSION :: VIJAYAWADA

BRIEF NOTIFICATION NO. 21/2026, Dated: 15/09/2026

**DIRECT RECRUITMENT TO THE POST OF ANALYST GRADE-II IN A.P.
POLLUTION CONTROL BOARD**

(GENERAL RECRUITMENT)

1. Applications are invited online through the Commission's Website (<https://psc.ap.gov.in>) from eligible candidates **from 13/10/2026 to 02/11/2026 up to 11:59 P.M** for Recruitment to the post of Analyst Grade-II in A.P. Pollution Control Board.

2. The eligible candidates desirous of applying shall apply online after satisfying themselves with regard to the terms and conditions of this Recruitment Notification. The details of provisional vacancies are notified hereunder and the number of vacancies is subject to variation upon confirmation being received from the concerned Department.

Name of the post	No. of vacancies	Scale of Pay Rs
Analyst Grade-II in A.P. Pollution Control Board	18	48,440- 1,37,220

3. Educational Qualification:

Applicants must possess the requisite Educational Qualification as on the date of Detailed Notification.

Must possess a Bachelor's Degree in Chemistry, Bio-Chemistry, Biology or Environmental Sciences of a Recognized University in India. First Class Persons will be preferred.

4. Detailed Notification with breakup of vacancies, Scale of pay, Age, Community, Educational Qualifications and any other information with instructions will be available on the Commission's Website (<https://psc.ap.gov.in>) on or before **13/10/2026**.

5. The date of Detailed Notification will be reckoned as the crucial date in all aspects.

IMPORTANT:

- (i) Applicants/candidates should read the Commission's Detailed Notification and other instructions carefully before applying for this Recruitment and enter the particulars properly in the Online Application Form.
 - (ii) Applicants/candidates have to submit applications only through online mode. Any application sent through any mode other than the prescribed online mode will not be entertained under any circumstances.
 - (iii) Applicants/candidates are advised to submit their applications through online well in advance of the last date to avoid last-minute rush.
6. The examination for this recruitment shall consist of a single-level examination only, and no Screening Test shall be conducted, irrespective of the number of applications received. The examination shall be conducted in online (CBRT) mode. In case the single-level examination is conducted in multiple sessions, the Commission will adopt a process of normalisation of marks, wherever considered necessary and applicable, in accordance with the methodology and procedure decided by the Commission. The details of such normalisation, if applicable, shall be notified by the Commission in due course.
7. The details of Scheme and Syllabus for the Examination are annexed to this Notification to facilitate the candidates.

Date:15/09/2026
Place: Vijayawada

Sd/-
SECRETARY

ANNEXURE

SCHEME AND SYLLABUS TO THE POST OF ANALYST GRADE-II IN A.P. POLLUTION CONTROL BOARD

SCHEME OF THE EXAMINATION

(Annexure-V of G.O. Ms. No. 141, Finance (HR-I Plg. & Policy) Department,
Dt.:01.08.2016 amended in G.O.Ms.No.201, Finance (HR-I Plg, & Policy) Dept.,
Dt: 21/12/2017)

WRITTEN EXAMINATION (OBJECTIVE TYPE) DEGREE STANDARD				
Paper	Subject	No. of Questions	Duration in Minutes	Maximum Marks
Paper-I	General Studies & Mental Ability	150	150	150
Paper-II	Common Paper	150	150	150
TOTAL				300
N.B: As per G.O.Ms. No.235 Finance (HR-1, Plg & Policy) Dept, Dt: 06/12/2016, for each wrong answer will be penalized with 1/3 rd of the marks prescribed for the question in all Objective type papers.				

SYLLABUS

PAPER – I

GENERAL STUDIES AND MENTAL ABILITY

1. Major Current Events and Issues pertaining to International, National and State of Andhra Pradesh.
2. General Science and its applications to the day to day life Contemporary developments in Science & Technology and Information Technology.
3. History of India – emphasis will be on broad general understanding of the subject in its social, economic, cultural and political aspects with a focus on AP and Indian National Movement.
4. Geography of India with focus on Andhra Pradesh.

5. Indian polity and Governance: constitutional issues, public policy, reforms and e-Governance initiatives.
6. Indian Economy and planning
7. Sustainable Development and Environmental Protection
8. Disaster management: vulnerability profile, prevention and mitigation strategies, Application of Remote Sensing and GIS in the assessment of Disaster
9. Logical reasoning, analytical ability and logical interpretation.
10. Data Analysis: Tabulation of data, Visual representation of data, Basic data analysis (Summary Statistics such as mean, median, mode and variance) and Interpretation.

Paper-II (Common Paper)

Chemistry

Unit.1:

Chemistry of Non-Transition Elements: Characteristics of Non-Transition Elements and its halides & oxides properties, Polymorphism of Carbon and sulphur, Boranes and Carboranes properties, Electronic counting in boranes.

Photochemistry: Thermal and Photochemical Processes, Laws of Photochemistry, Photochemical reaction mechanism – HCl & HBr, Fluorescence and Phosphorescence, Jablonski diagram.

Unit. II:

Spectroscopy: Electromagnetic radiation, Interaction with matter, Beer Lambert's law, Single & Double beam Spectrophotometers, Applications of Beer Lamberts law for Quantitative analysis of Chromium and Manganese in $K_2Cr_2O_7$ and $MnSO_4$.

Chromatography: Principles and classification of chromatography. Retention time, retardation factor, R_f values in chromatography. TLC, Gas Liquid, Paper, Column and High performance Liquid Chromatography basic principles, instrumentation, detectors and applications.

Terpenoids: Classification, occurrence, isolation, Isoprene rule, Structural determination and synthesis of Zingiberine and cadinene.

Unit.III

Amino acids and proteins: Classification of amino acids, Natural and essential amino acids with examples, classification of alpha amino acids with examples, Synthesis of alpha amino acids (Glycine, Valine) by halogenated carboxylic acid and malonic ester synthesis methods with physical and chemical properties. Structure and nomenclature of peptides and proteins.

Solvent free reactions: Solvent free techniques – reactions on solid mineral support and Phase transfer catalysis (N-alkylation, Wittig reaction), Ultrasound assisted green synthesis (Oxidation and reduction), Microwave assisted green synthesis (Biginelli reaction and Suzuki reaction)

Heterocyclic compounds: Simple five membered ring compounds with hetero one atom (Furan, pyrrole), Aromatic character, preparation from 1,4-dicarbonyl compounds. Synthesis and properties of pyrrole.

Biochemistry

Unit:1

Enzyme Inhibition: Types of Enzyme Inhibition – Reversible (Competitive, Non-competitive). Mechanism of reaction catalysed by chymotrypsin, trypsin and lysozyme.

Co-enzyme: The mechanistic role of Co-enzymes in enzyme catalysed reactions: nicotinamide nucleotides, flavin nucleotides, Co-enzymes A lipoic acid, biotin and Co-enzyme B12. Modern concepts of evaluation of catalysis-catalytic RNA (ribozyme).

Monomeric enzyme: Definition & structure – serine protease, zymogen activation, oligomeric enzymes and multi-enzyme complexes (pyruvate dehydrogenase complex).

Immunology: Organs and cells of immune system, Innate and adaptive immune system, classification of immunoglobulins, structure of IgG. Concepts of haptens, antigen- antibody reactions, Blood group antigens. Immunodiagnostics – ELISA, Vaccines and their classification. Outline of hypersensitive reactions.

Unit:II

Composition of blood and lymph: Plasma and cells- RBC, WBC, Platelets, blood clotting, plasma protein, separation and applications, lymph.

Autoimmunity: Definition, Class of auto immuno diseases

Immunoglobins(Igs): Types of Igs, nature and structure of Igs (light & heavy chain functions), enzymatic cleavage of Igs, heptens.

Nervous system and excretory system: General organization of nerous stem, Neurons-structure, types, properties and functions; Excretory system- Organisation of kidney, structure and functions of nephron, Role of kidney in maintain acid-base and electrolyte balance in the body.

Unit:III

Endocrinology: Organization of Endocrine system, classification of hormones, physical role & chemistry and disorder of hormones of (thyroid, pituitary and hypothalamus). Gastrointestinal hormones – mechanism of hormonal action - Glucocorticoids and insulin.

Nutritional Biochemistry: Balanced diet, calorific value of food and its determination by bomb calorimeter, Specific dynamic action of foods, energy requirement and recommended dietary allowance for children and adults. Sources of complete and incomplete proteins. **Biological value of proteins.** Vitamins- Source, structure and biochemical roles, deficiency disorder of water and fat soluble vitamins. Nutraceutical and functional foods. Bulk and trace elements.

Clinical Biochemistry: Plasma protein in health and disease. Liver disease jaundice. Liver functional test – Conjugated and total bilirubin in serum, albumin -globulin ratio, serum enzymes in liver diseases. Normal and abnormal constituents of urine. Renal, GTT, gastric and pancreatic function tests.

Biology

1. Cell biology: Bacteria: General characters of Bacteria, Ultra structure of typical Bacteria (E.Coli), Classification of bacteria based on nutrition, Bacterial reproduction and Economic importance of bacteria (harmful and Beneficiary). Virus: Discovery of Virus, types of virus based on symmetry and nucleic acids Structure of TMV (plant virus), polio(animal virus) and HIV (retrovirus). Ultra Structure of typical plant cell and Animal cell (Paramecium) and functions of cell organelles (chloroplast, Mitochondria, Ribosome, Nucleus and Cytoskeleton) observed in ultra structure. Outlines of mitosis and meiosis, types of chromosomes (based on both centromere and size)

2. Genetics and Evolution: Mendel's laws of inheritance, Mono hybrid cross ,Dihybrid cross Linkage and Crossing over Cytoplasmic inheritance Mutations: Types of Mutations, Classification of mutagens, Point mutations and Chromosomal mutations (both number and aberration). Evolution: Origin of life, Darwin's theory of evolution-Natural selection, Divergent evolution and convergent evolution (outlines); Hardy -Weinberg law
3. Molecular Biology: Structure of Nucleosome and organization of chromosome. Structure of DNA, types of DNA (A, B and Z) Semi conservative method of DNA replication, DNA damage and repair, Structure of RNA, Types of RNA and their structures (m-RNA, r-RNA and t-RNA) Protein synthesis: Transcription, Translation (Polypeptide chain initiation, elongation and termination)

Environmental Science

1. Fundamental environmental concepts and Ecology: Definition and importance of environment, Components of environment (Atmosphere, Hydrosphere, Lithosphere and Biosphere), Concepts of Ecology, Definition and divisions of ecology, structure and function of ecosystem, energy flow, food chain, food web and ecological pyramids, ecological succession.
2. Natural Resources and environment pollution: Forest resources, water resources, mineral resources, and energy resources. Environment pollution; Sources, methods of management of Air pollution, water pollution, soil pollution and waste management
3. Environmental issues and sustainable development: Green house gases, Global warming, Ozone hole. Waste management, conventional and non conventional energy sources, biogas production. Environmental assessment methods: plant survey, flora assessment, animal assessment and aquatic assessment. Eco planning in India: Land use policy, urban and rural planning.

SCHEME & SYLLABUS OF THE COMPUTER PROFICIENCY TEST
(CPT)

Scheme for Computer Proficiency Test

(As per G.O.Ms.No.26, G.A. (Ser.B) Dept., dt: 24.02.2023)

Scheme of the examination (Practical Type)					
Test	Duration (Minutes)	Maximum Marks	Minimum Qualifying Marks		
			SC/ST/PBD	B.C's	O.C's
Proficiency in Office Automation with usage of Computers and Associated Software.	60	100	30	35	40

Syllabus for Computer Proficiency Test

PART-A

- 1. INTRODUCTION TO COMPUTERS:** Introduction to Computers - Components and their classification - Peripheral devices and their purpose. Input Devices - Keyboard, Mouse, Scanner, Lighten, Touch screens, Joystick, Micro phone, Scanner, Digital camera, Bar code reader, Biometric sensor. Output Devices: Display devices, Printers, Monitor, Speaker, Plotter, Secondary Storage Devices – Feature- Driven Development (FDD), Magnetic tape, Universal Serial Bus(USB), Pen Drives, Disks - The Role of input Processing / output processing devices - Computing Concepts - Data - Information – Random - Access Memory (RAM) – Read-Only Memory(ROM) - Control Unit - Memory Unit – Arithmetic Logic Unit(ALU).
- 2. COMPUTER SOFTWARE TYPES:** System Software, Application Software, Embedded software, Proprietary Software, Open source software (their purpose and characteristics only).
- 3. OPERATING SYSTEM:** Purpose of operating system, Single User and Multi User Operating Systems with Examples.
- 4. WINDOWS OPERATING SYSTEM:** Interfacing Graphical User Interface (GUI), Differences between Character User Interface (CUI) and Graphical User Interface(GUI) - working With Files and Folders - More About Files - Running An Application Through the File Manager - Running an Application Through the Program

Manager - Setting up of Printer, Webcam, Scanner and other peripheral devices.

5. **LINUX/MAC OS (only basic concepts):** Introduction to Linux - Features and advantages of Linux, File handling commands, directory handling commands - User Management - File permissions Macintosh Apple Computer (MAC) OS - Introduction - Advantages of Macintosh Apple Computer (MAC) OS. Basics commands
6. **INTERNET CONCEPTS (only basic concepts):** Minimum Hardware and Software Requirements for a system to use internet, Communication Protocols and Facilities - Various browsers - What is Internet Protocol (IP) Address - Steps required in connecting system to network - Uploading and Downloading Files from Internet
7. **ELECTRONIC MAIL (only basic concepts):** Sending and receiving mails, Basic E-Mail Functions, Using your word processor for E-mail, Finding E-Mail Address, Mailing Lists and lists Servers.
8. **WORLD WIDE WEB (only basic concepts):** WWW advantages of the Web - how to navigate with the Web - Web Searching.

PART – B

1. **OFFICE SUITE:** MSOFFICE or any open source office like Libre Office /Apache Open Office Neo office for Windows/Linux/Macintosh Apple Computer (MAC)OS.
2. **GETTING STARTED WITH OFFICE:** Introduction to Office Software- Starting and Exiting the Office Applications - Introducing the Office Shortcut Bar - Customizing Office Shortcut Bar.
3. **FILE OPERATIONS IN THE OFFICE:** Common Office Tools and Techniques - Opening An Application - Creating Files - Entering And Editing Text - Saving Files - Opening Files - Closing a File - Exiting The Application - Managing Your files With the Office Applications.
4. **TOOLS IN THE OFFICE APPLICATIONS:** Key Combinations - Cut, Copy and Paste - Drag And Drop Editing - Menu Bars And Toolbars - Undo and - Redo - Spell Checking - Auto Correct - Find and Replace - Help And The Office Assistants - Templates and Wizards.
5. **WORD PROCESSING (MS WORD or its equivalent in Libre office /Apache Open Office / Neo office for Windows/s/Linux/Mac OS):** Starting Word

- Title Bar - Menu Bar - Format Bar - Standard Bar - Ruler - Workspace Area - Scroll Bar - Status Bar - Different Toolbars - Option a Menu Bar - Creating New Document When Word is Running - Opening Pre existing Documents When Word is Running - Designing Your Document - Typing Text - Selection text - Deleting Text - Formatting text and document - copying and moving - Saving Document - Page Setup - Properties of a document - Undo-Redo-Cut-Copy a Document - Pasting a Document - Print Preview - Printing - Select All - Find - Replace - Go To - Four Different View Of A Document - Normal, Web Layout, Print Layout, and Outline Layout- Document Map - Full Screen - Zoom - Objects - Page Break - Header and Footer - Page Number - Auto Format - Auto Text - Inserting Date And Time - Working With Header, Footers-footnotes-Fields-Symbols-Caption Cross Reference-Index-Tabs-Table and Sorting - Working With Graphics - Inserting Pictures - Modifying Pictures - Word Art - Inserting Chart - Inserting Files - Hyper Linking - Bookmark - Using Different Fonts - Paragraph - Bullets Borders and Shading-Columns-Drop Cap-Theme-Change Case Background-Frames-Style-Spelling And Grammar - Set Language - Word Count - Auto Summarize - Auto Correct - Merge Document - Protect Document - Envelopes And Labels - - Templates, Wizards And Sample Documents - drawing Tables - Merge Cell - Spilt Cells - Spilt Table - Table Auto Format - Auto Fit - Sort - Formula - Arrange All-Split- Micro Soft Word Help - Macros - Custom Toolbars - Keyboard Shortcuts - Menus - Mail Merge.

- 6. SPREAD SHEET (MS Excel or its equivalent in Libre Office / Apache Open Office / Neo office for Windows/Linux/Mac OS):**
Features Of Excel - Excel worksheet - Selecting Cell - Navigating With The Mouse And Keyboard - Entering And Editing Text - Text Boxes - Text Notes - Checking Spelling - Undoing And Repeating Action - Entering And Editing Formulas - Referencing Cells - Order Of Evolution in Formulas - Copying Entries And Equations To Minimize Typing - More Auto Fill Examples - Creating Custom Fill Lists Protecting And Un Protecting Documents And Cell - Creating A New Worksheet - Excel Formatting Tips And Techniques - Moving cell - Copying Cells - Sorting Cell Data - Insertion Cells Inserting As You Paste - Deleting Parts Of Worksheet - Clearing Parts Of A Worksheet - Excel Page Setup - Changing Column Width And Row Heights - Auto Format - Manual Formatting - Using style - Format Code Alter A Number's Appearance - Format Painter Speeds-Up Format Copying - Changing Font Size And Attributes - Adjusting Alignments -

Cantering Text Across Column - Using Border Buttons And Commands - Changing Color And Shading - Inserting And Removing Page Breaks - Hiding Rows And Columns - Rearranging Worksheet - Entering Formula - Excel Functions - Inserting Rows And Columns - Saving A Worksheet - Printing A Worksheet - Printing Tips For Large Excel Project - Parts Of A Function - Functions Requiring Add-ins - Function Wizard - Example Of Functions By Category - Organizing Your Data - Excel's Chart Features - Chart Parts And Terminology - Instant charts with The chart wizard - Creating Chart On Separating Worksheets - Resizing And Moving Charts - Adding Chart Notes And Arrows - Editing Charts - Rotating 3-D Charts - Printing Charts - Deleting Charts Setting The Default Chart Type - Creating Trend Lines Data Map - Working With Graphics in Excel - Creating And Pacing Graphic objects - Resizing Graphs - Possible Sources Of Excel Graphics - Creating and Running Macro - Sorting Excel Data - Adding Subtotals To Databases - Customizing Excel - Customizing Workspace - Comma Separated Value (CSV) File format - Using Worksheet As Databases.

- 7. PRESENTATION SOFTWARE (MS Power Point or its equivalent in Libre Office/Apache Open office/Neo office for Windows/Linux/Mac Os):** Introduction - Starting Presentation Software - Views in Presentation Software - Slides - Terminology - Color Schemes - Formatting Slides - Creating a Presentation - Using the Auto Content Wizard - Masters- - Using a Template - Creating a Blank Presentation - Working with Text in Power Point - Adding Slides Editing And Working Text - Working in Outlaying view - Spell checking - Finding And Replacing Text - Formatting Text - Aligning Text - Developing Your Presentation - Importing images From The Outside World - The Clipart Gallery - Drawing in Presentation software- Bringing A Presentation to Life - Inserting Objects in Your Presentation - Inserting A Picture - Working With Graphics - Multimedia in Power Point - Animating The Objects, Pictures, Graphics, - Enhancements to the Slide Show Showing Slides Out Of Order Printing Presentation Elements - Finalizing The Presentation - Assigning Transitions And Timings - Setting The Master Slide - Setting Up The Slide Show - Running The Slide Show.

Assessment Pattern:

Part-A: Test may be designed to assess the candidate by means of MCQs. **(20%of Total Marks)**

Part-B: A computer based assessment test where they need to:

1. Prepare a model document and organize the same in a formatted manner. This should cover evaluating the typing speed, organizing the document and covering several other aspects such as inserting tables, inserting Images/WordArt, mail merge, etc.)
2. Evaluating typing speed **(25% of Total Marks)**
(This may be made mandatory for qualifying based on the norms existing)
3. Organizing and inserting different objects **(15% of Total Marks)**
4. Prepare an Excel Sheet to fill with data and format the sheet, merging/splitting cells, formulae for calculation in the cells, conditional formatting, preparation of different graphs based on the data. **(20% of Total Marks)**
5. Prepare a Power Point presentation using the standard layouts available and filling different slides with content (Formatted text, images, tables, transition effects, animation etc.). **(20%of Total Marks)**

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