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Revised Syllabus of B.Sc.-III(Electronics) Semester V and semester VI Implemented From June 2015

SHIVAJI UNIVERSITY, KOLHAPUR B.Sc. (Part III) Semister -V Electronics(Paper-IX) Linear Integrated circuits

UNIT-1: Linear IC's and Amplifier Transistor de amplifier, Differential amplifier, Emitter coupled differential amplifier with its operation, characteristics and parameters(I/O impedances, common mode and differential mode gain, CMRR)Dual input and single ended output configuration of differential amplifier. Method to improve CMRR(constant current bias and current mirror bias)

Introduction to op-amp, block diagram of op-amp, offset balancing technique of op-amp, drift parameters of op-amp, study of IC741 and comparative study of IC's LM324, LM308, LF356.

UNIT-2: Op-amp as Analog System Building Blocks

Virtual ground concept, Op-amp as inverting and non-inverting amplifier, summing amplifier (adder and subtractor), V to I and I to V converter, voltage follower, bridge amplifier, Differentiator and integrator, log and antilog amplifier.

Op-amp as comparator, regenerative comparator (Schmitt trigger), sine wave oscillators (phase shift and Wien -bridge), Triangular wave generator, square and pulse generator. Peak detector, elipping and elamping circuits.

UNIT-3: Precision Rectifier and Active filters

Op-amp as precision AC/DC converter, precision rectifier. Advantage of active filters over passive filters, study of filter response (Butterworth, Chebyshev.) Different types of active filters. Study and design of low pass, high pass, band pass, band stop filters(up to 2nd order)

UNIT-4: Phase Locked -Loops (PLL) and Power Supply

Block diagram of PLL with functioning of each block, calculation of capture range and lock range frequencies,application of PLL (frequency multiplier, FM modulator, frequency synthesizer and

IC555 timer as variable duty cycle(10% to 90%), sequential timer, ramp generator.

Reference Books:

1 Integrated Electronics - Millman-Halkias (MGH)

2 Op-Amps and Linear circuits - Ramakant Gaikwad (PHI)

3 Operational Amplifiers and Linear ICs - Caughlin and Driscoll (PHI) 4 Operational Amplifier with Linear Integrated Circuit - W. D. Stanley (CBS Publications)

5 Linear Integrated circuit - D Roy Choudhari, Shail Jain, (Wiley Eastern Ltd) 6 Micro electronics Circuits - Rashid (PWS publication)

7 Integrated circuit (New Edition) - K.R.Botkar

8 Linear ICs - Data Book

9 Op-Amp - G. B. Clayton, Butterworth Publication 10 Design with Operational Amplifiers and Analog ICs - Franco (Mc Graw Hill, 2000)

GK IN HINDI

ऊर्जा प्रत्यक्ष और परोक्ष रूप से किससे प्राप्त होती है? Answer = सूर्य से

कौन-सी फसल मिट्टी को नाइट्रोजनिय सम्मिश्रणों से उपजाऊ बना सकती है

Answer = दलहनी फसल

बॉक्साइट का रासायनिक नाम क्या है?

Answer = हाइड्रेट एल्युमीनियम ऑन्साइड

कांच पर लिखने के लिए किस अम्ल का उपयोग किया जाता है 🟋

Answer = हाइड्रोजन क्लोराइड अम्ल

किसी परमाणु के गुण किस पर निर्भर करते है

प्रकृति में मुक्त अवस्था मे कौन-सी धातु पायी जाती है

Answer = चांदी

जो तत्व ऑक्सिजन पर प्रतिक्रिया नही करता हैं,

Answer = हीलियम

शरीर मे कार्बोहाइड्रेट का संग्रह किसके रूप में होता है

Answer = ग्लाइकोजन

Railway NTPC Recruitment 2019



୧.Syllabus କ'ଣ ରହିଛି ?? ୨.Exam Pattern ?? ୩. -VE Marking ଅଛି କି?? ୪. କେଉଁ ଭାଷାରେ ପ୍ରଶ୍ମ ଆସିବ??

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U.P. PUBLIC SERVICE COMMISSION, PRAYAGRAI COMBNED STATELEPER SUBORDINATE SERVICE (MAIN) EXAMENATION 2017

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Rrb ntpc elementary statistics.

Answer is D) 6. There will be 25 questions from General Science (GS), 25 questions for Mathematics, 30 for general intelligence and reasoning and 20 for general intelligence and 20 for general intellige Answer is C) NTPC CBT 2 syllabus is almost similar as NTPC CBT 1 Syllabus but different in marks distribution. Candidates who are shortlisted for 2nd Stage CBT availing the reservation benefits of OBC(NCL)/SC/ST/EWS, PwBD and ExSM for all subsequent stages of recruitment process," the notification reads.RRB NTPC Exam Pattern: The question paper will carry a total of 100 questions, each carrying one mark. The latest syllabus of CBT 1 and CBT 2 is almost same but the time duration playing important role to differentiate these two exams. The online window to check the status will be opened till September 30. Latest RRB NTPC Syllabus 2019-2020 pdf is very important for RRB NTPC Aspirants. Selection Process: The recruitment process includes two stages of Computer Based Test(s), skill test/ computer based aptitude test, Document Verification and Medical Examination. MarksTotal No. of QuestionsExam DurtaionGeneral Awareness404090 MinutesMatheamtics3030General Intelligence and Reasoning3030Total100100CBT 1 Syllabus is divided into three sections. The detailed schedule of exam will be released soon on the official website of RRB.RRB NTPC exam will be conducted to fill 35,208 vacancies for various posts (quard, office clerk, commercial clerk etc). Now that only three months are left, candidates should take a quick recap of the scheme of examination and its syllabus. Answer is B) Railway Recruitment Board (RRB) will conduct the recruitment exams for non-technical popular categories (NTPC) under CEN 01/2019 from December 15, 2020. Answer is B) 8. Now RRB NTPC Exam will be held in 2020. The mean of first 49 natural numbers is: ... General Intelligence and reasoning -- Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and Decision making, Similarities and Differences, Analytical Reasoning, Classification, Directions, Statement - Arguments and Events of India, Indian Literature, Monuments and Places of India, General Science (up to 10th CBSE), History of India and Freedom Struggle, Physical, Social and Economic Geography of India and World, Indian Polity and Governance- constitution and political system, General Science (up to 10th CBSE), History of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and Economic Geography of India and Freedom Struggle, Physical, Social and Economic Geography of India and India UN and Other important World Organizations, Environmental Issues Concerning India and World at Large, Basics of Computers and Computer Applications, Flora and Fauna of India, Important Government and Public Sector Organizations of India etc.CBT 2nd Stage: Shortlisting of Candidates for the 2nd CBT will be based on the normalized marks obtained by them in the first stage CBT (screening test) and the options for various posts exercised by them keeping in view the educational qualification of the candidate i.e. 10+2 or Graduate. SYLLABUS FOR CBT Stage 2Mathematics: Number System, Decimals, Fractions, LCM, HCF, Ratio and Proportions, Percentage, Mensuration, Time and Work, Time and Work, Time and Compound Interest, Profit and Loss, Elementary Algebra, Geometry and Trigonometry, Elementary Statistics etc. General Intelligence and Reasoning: Analogies, Completion of Number and Alphabetical Series, Coding and Decoding, Mathematical Operations, Similarities and Differences, Relationships, Analytical Reasoning, Syllogism, Jumbling, Venn Diagrams, Puzzle, Data Sufficiency, Statement- Conclusion, Events of National and International Importance, Games and Sports, Art and Culture of India, Indian Literature, Monuments and Freedom Struggle, Physical, Social and Economic Geography of India and World, Indian Polity and Governance- constitution and political system, General Scientific and Technological Developments including Space and Nuclear Program of India, UN and Other important World organizations, Environmental Issues Concerning India and World at Large, Basics of Computers and Computer Applications, Common Abbreviations, Transport Systems in India, Indian Economy, Famous Personalities of India and World, Flagship Government Programs, Flora and Fauna of India, Important Government and Public Sector Organizations of India atc. Check official notification SHARE THIS ARTICLE ON Those who clear the CBT will have to pass the skill test, DV and medical examination for final selection. "The 1st Stage CBT is of | Composition | InterestProfit and LossElementary AlgebraGeometryTrigonometryElementary Statistics etc.CBT 2 Syllabus: General Intelligence and ReasoningAnalogiesCompletion of Number and Alphabetical SeriesCoding and DecodingMathematical OperationsSimilarities and DifferencesRelationshipsAnalytical ReasoningSyllogismJumblingVenn DiagramsPuzzleData SufficiencyStatement- ConclusionStatement- Courses of ActionDecision MakingMapsInterpretation of Graphs etc.CBT 2 Syllabus: General AwarenessCurrent Events of IndiaGeneral Science and Life Science (up to 10th CBSE)History of India and Freedom StrugglePhysical, Social and Economic geography of India and WorldIndian Polity and Governance- constitution and Political SystemGeneral Scientific and Technological Developments including Space and Nuclear Program of IndiaUN and Other important World OrganizationsEnvironmental Issues Concerning India and World at LargeBasics of Computers and Computer Applications, Common AbbreviationsTransport Systems in IndiaIndian EconomyFamous Personalities of India and WorldRRB NTPC Latest Syllabus and Exam Pattern pdf download linkDownload NTPC Syllabus pdfMy OpinionAfter understanding the NTPC Syllabus and Exam Pattern i can say NTPC CBT 1 is first step which is easy. Answer is C) 2. Find the median of the following set of numbers: ... A total of 1.26 crore (1,26,30,88) candidates have applied for various NTPC posts. Each section contain different units. RRB NTPC CBT 2 Syllabus: General Awareness, Mathematics and Reasoning. The application process was conducted in the month of March last year. LIVE UPDATES | IIT JEE Advanced 2020 admit card 2020 The candidates can check their application status- whether accepted or rejected through the region-wise official websites. You can understand the RRB NTPC Exam Pattern and make a strategy for RRB NTPC CBT 1 Exam and RRB NTPC CBT 2 Exam. The recruitment notification was advertised in the month of February, 2019. RRB NTPC CBT 1 Exam PatternTotal 100 questions will be asked and Exam duration will be asked asked and Exam The Questions will be of objective type with multiple choices (MCQ) Mathematics -- Number System, Decimals, Fractions, LCM, HCF, Ratio and Proportions, Percentage, Mensuration, Time and Distance, Simple and Compound Interest, Profit and Loss, Elementary Algebra, Geometry and Trigonometry, Elementary Statistics etc. It is very huge vacancy of Non Technical Popular Category (NTPC). The SMS and e-mail will be sent to the candidate's registered mobile number and email id providing the reason behind the rejection of applications. Answer is D) 4. Find the range of the data6,7,8,9,5,6,7,4,8,9,5,9 ... Latest RRB Syllabus can help you to get this job. Find the mean of the following set of numbers: 8,0,5,3,2,9,1,5,4,7,2,5 ... It contain three subjects- Mathematics, General Awareness, General Awareness, Mathematics and Reasoning. The normalized score of 1 st Stage CBT shall be used for short listing of candidates for 2 nd Stage CBT as per their merit. The mean of 8 observations is 10.5. If seven of the observations are 3,15,7,19,12,17 and 8, find the eighth observation status link for the candidates applied for various posts under Non-Technical Popular Categories, NTPC today. The exams for the posts of NTPC and Group D will be conducted from December 15. MarksTotal No. of QuestionsExam DurtaionGeneral Intelligence and Reasoning3535Total120120 CBT 2 Negative Marking = 1/3 Mark for each wrong answerRRB NTPC CBT 2 Syllabus CBT 2 Syllabus is almost similar as CBT 1. The schedule for the exams will be released soon. Candidates will have to appear for a computer based test. The detailed ntpc syllabus: General Awareness Current events of National and International Importance Games and Sports Art and Culture of IndiaIndian LiteratureMonuments and places of IndiaGeneral Science (up to 10th CBSE)History of India and Freedom StrugglePhysical, Social and Economic Geography of India and WorldIndian Polity and Governance- constitution and political systemGeneral Science (up to 10th CBSE)History of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Freedom StrugglePhysical, Social and Economic Geography of India and Econ Program of IndiaUN and Other important world Organizations Environmental Issues concerning India and World at Large Basics of computers and Computer Applications Formula and World at Large Basics of computers and Computers and Computers and Fauna of IndiaImportant Government and Public Sector Organizations of India etc. CBT 1 Syllabus: MathematicsNumber SystemDecimalsFractionsLCMHCFRatio and ProportionsPercentageMensurationtime and Worktime and DistanceSimple and compound InterestProfit and LossElementary Algebra Geometry Trigonometry Elementary Statistics etc. CBT 1 Syllabus: General Intelligence and ReasoningAnalogiesCompletion of Number and Alphabetical SeriesCoding and DecodingMathematical OperationsSimilarities and DifferencesRelationshipsanalytical ReasoningSyllogismJumblingVenn DiagramsPuzzleData SufficiencyStatement- conclusionStatement- Courses of ActionDecision MakingMapsInterpretation of Graphs etc.RRB NTPC CBT 2 EXAM PATTERNNTPC CBT 2 Exam Pattern is similar as CBT 1 but different in Marks distribution. SubjectMax. Answer is B) 3. Find the mean, mode, and median of 3,4,5,3,6,3,4,5 and 3 respectively ... Each question will be of one marks. SubjectMax. According to RRB, "Status of applications can be viewed by entering the application registration number and date of birth of the candidates etc." RRB NTPC Application Status 2020: Check updates in Hindi The board will also detail the reason behind candidates' rejection of applications. Find the mean of the values: ...

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