



JHARKHAND URJA VIKAS NIGAM LIMITED

CIN : U40108JH2013SGC001603

Engineering Building, HEC, Dhurwa, Ranchi-834004

Fax No. 0651-2400799

*Ann (17)
on web site
11/03/24*

NOTICE

Jharkhand Urja Vikas Nigam Limited has published five (05) different internal recruitment advertisements namely, Employment Notice No.- 01/2024, 02/2024, 03/2024, 04/2024 and 05/2024 for internal recruitment of eligible under employed employees of the Nigam and the subsidiary companies on various posts as per the advertisement. In these advertisements at the point no. 9 it is mentioned that the Selection Procedure adopted and the details thereof would be published vide a separate notice later on.

Accordingly, the Selection Procedure adopted for all these recruitments and its details are as follows :-

- The selection would be made on the basis of the marks scored by the candidates in the examination conducted.
- There shall be no interview for any of the posts and the final merit list/ selection list would be prepared on the basis of marks scored in the examination only.
- The total number of questions in the examination would be 100 with each question carrying 02 marks making the total marks of the examination as 200.
- The duration of the examination shall be 02 hours.
- There shall be no provision of negative marking.
- The minimum qualifying marks category wise as per the Government of Jharkhand rules are as follows :-

❖	UR/EWS	-	40%
❖	BC-II	-	36.5%
❖	BC-I	-	34%
❖	SC/ST/Females	-	32%
❖	PTG	-	30%

- The candidates who fail to score the minimum qualifying marks as per their category would not be considered for selection/appointment.

P.T.O.

*AE (IT) Suresh
upload on
website
11/03/24*

F/Appointment/Notice(E)2023

महाप्रबंधक (आईटी) प्रकोष्ठ,
आंबिनिंलिं, रांची
निं संं 11-03-2024
दिनांक 11-03-2024

- There would be seven (07) different examinations in total as follows :-

Sl.No.	Advertisement No.	Name of Post	Qualification	No. of Exam	Syllabus
1	01 / 2024	Manager (Technical)	Degree in Electrical, Electronics and Telecommunication	1	Annexure-I
			Degree in Mechanical	1	Annexure-II
2	02 / 2024	Manager (Civil)	Degree in Civil	1	Annexure-III
3	03 / 2024	Manager (F & A)	CA/ ICWA/ MBA in Finance	1	Annexure-IV
4	04 / 2024	Junior Manager (Technical)	Diploma/ Degree in Electrical or Electronics	1	Annexure-V
			Diploma/ Degree in Mechanical	1	Annexure-VI
5	05 / 2024	Junior Manager (Civil)	Diploma/ Degree in Civil	1	Annexure-VII

Total 7 Exam.

- The syllabus of all these examinations are enclosed and numbered Annexures – I to VII.
- The Schedule of all the above examination shall be communicated vide a separate notice later on.

Encl: AS above

Sd/-

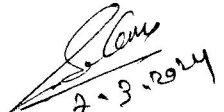
(Sunil Dutt Xaxa)
GM (P&GA)
JUVNL

Memo No. 473

Dated ... 07/03/2024

Copy forwarded to GM (IT), JBVNL for information and necessary action. He is requested to get this notice published on the Nigam's Website.

2. One copy to be published at the Notice Board's of all the field offices and the Nigam HQ., Ranchi.


(Sunil Dutt Xaxa)
GM (P&GA)
JUVNL

Syllabus of AEE (Gen) & AEE (ATO) with degree in
Electrical, Electronic and Tele Communication.

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Annexure - I

Domain	Sl. No.	Topics
Aptitude Section I	General Studies	
	1	Current events/Scientific development
	2	Current events/Sports/Sport persons
	3	Current events/Capital and Currency
	4	Jharkhand History & Culture
	5	Jharkhand Industries
	6	Indian Geography and Environment
	Logical Reasoning	
	1	Place Imagination
	2	Relationship assumption
	3	Arithmetical Logic
	4	Secret writing and secret explanation
	5	Problem solving
	General English	
	1	Reading Comprehension
	2	Grammar/Sentence completion (Verbs)
	3	Grammar/Sentence completion (Prepositions)
	4	Synonyms and Antonyms
	5	Grammar/Sentence completion (Articles)
	Basic Knowledge of Computers	
	1	Input and Output devices
	2	Keyboard Shortcuts
	3	MS-Office
	4	E- Mail and Internet
	5	Latest trend in IT
	General Hindi	
	1	व्याकरण/सन्धि
	2	व्याकरण/समास
3	व्याकरण/मुहावरे	
4	पर्यायवाची शब्द	
5	विलोम शब्द	
6	व्याकरण/वचन	
7	व्याकरण/लिंग	
Domain	Sl. No.	Topics
Electrical Engineering Section II	1	Electrical & Electronics Measurements
	2	Electrical Circuits
	3	Electrical AC machines / DC machines
	4	Electrical Networks
	5	Electrical Power Generation
	6	Analog electronics / Digital electronics / Electrical Power Generation
	7	Power System Analysis & Protection
	8	Industrial drives & Control
	9	Electronics & Solid State Devices
	10	Switchgear & Protection
	11	Transmission and Distribution
	12	Utilization of Electrical energy & Management
Domain	Sl. No.	Topics
Electronics & Communication	1	Analogue communication
	2	Communication and Computer Networks

Section III	3	Radar, Television Engineering
	4	Computer Hardware & Networking
	5	Microprocessor & Micro Controller
Domain	Sl. No.	Topics
General Engineering Section IV	1	Civil Engg/Surveying
	2	Civil Engg/Soil Mechanics
	3	Civil Engg/Hydraulics
	4	Civil Engg/Transportation Engineering
	5	Civil Engg/Environmental Engineering
	6	Electrical Engg/Basic Concepts
	7	Electrical Engg/Circuit Law
	8	Electrical Engg/Magnetic Circuit
	9	Electrical Engg/AC Fundamentals
	10	Mechanical Engg/Theory of Machines and Machine Design
	11	Mechanical Engg/Engineering Mechanics and Strength of Materials
	12	Mechanical Engg/Properties of Pure Substances
	13	Mechanical Engg/Fitting and Accessories
	14	Mechanical Engg/Classification of Steels

Syllabus for AEE (ATO) for degree in Mechanical

Annexure - II

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Domain	Sl. No.	Topics
Aptitude Section I	General Studies	
	1	Current events/Scientific development
	2	Current events/Sports/Sport persons
	3	Current events/Capital and Currency
	4	Jharkhand History & Culture
	5	Jharkhand Industries
	6	Indian Geography and Environment
	Logical Reasoning	
	1	Place Imagination
	2	Relationship assumption
	3	Arithmetical Logic
	4	Secret writing and secret explanation
	5	Problem solving
	General English	
	1	Reading Comprehension
	2	Grammar/Sentence completion (Verbs)
	3	Grammar/Sentence completion (Prepositions)
	4	Synonyms and Antonyms
	5	Grammar/Sentence completion (Articles)
	Basic Knowledge of Computers	
	1	Input and Output devices
	2	Keyboard Shortcuts
	3	MS-Office
	4	E- Mail and Internet
	5	Latest trend in IT
	General Hindi	
	1	व्याकरण/सन्धि
	2	व्याकरण/समास
3	व्याकरण/मुहावरे	
4	पर्यायवाची शब्द	
5	विलोम शब्द	
6	व्याकरण/वचन	
7	व्याकरण/लिङ्ग	
Domain	Sl. No.	Topics
Mechanical Section II	1	Applied/Analytical Mechanics
	2	Manufacturing Process
	3	Strength of Materials
	4	Thermodynamics
	5	Fluid Mechanics
	6	Heat Transfer
	7	Theory of Machines
	8	Power Plant Engineering
	9	Machine Design
	10	Metrology and Instrumentation
	11	Vibration & Noise control

Domain	Sl. No.	Topics
Electrical Engineering Section III	1	Electrical Circuits
	2	Electrical AC machines
	3	Electrical DC machines
	4	Electrical Power Generation
	5	Analog electronics
	6	Digital electronics
	7	Industrial drives & Control
	8	Power Electronics
	9	Switchgear & Protection
	10	Transmission and Distribution
12	Stress Analysis	
Domain	Sl. No.	Topics
General Engineering Section IV	1	Civil Engg/Surveying
	2	Civil Engg/Soil Mechanics
	3	Civil Engg/Hydraulics
	4	Civil Engg/Transportation Engineering
	5	Civil Engg/Environmental Engineering
	6	Electrical Engg/Basic Concepts
	7	Electrical Engg/Circuit Law
	8	Electrical Engg/Magnetic Circuit
	9	Electrical Engg/AC Fundamentals
	10	Mechanical Engg/Theory of Machines and Machine Design
	11	Mechanical Engg/Engineering Mechanics and Strength of Materials
	12	Mechanical Engg/Properties of Pure Substances
	13	Mechanical Engg/Fitting and Accessories
	14	Mechanical Engg/Classification of Steels

Domain	Sl. No.	Topics
Aptitude Section I		General Studies
	1	Current events/Scientific development
	2	Current events/Sports/Sport persons
	3	Current events/Capital and Currency
	4	Jharkhand History & Culture
	5	Jharkhand Industries
	6	Indian Geography and Environment
		Logical Reasoning
	1	Place Imagination
	2	Relationship assumption
	3	Arithmetical Logic
	4	Secret writing and secret explanation
	5	Problem solving .
		General English
	1	Reading Comprehension
	2	Grammar/Sentence completion (Verbs)
	3	Grammar/Sentence completion (Prepositions)
	4	Synonyms and Antonyms
	5	Grammar/Sentence completion(Articles)
		Basic Knowledge of Computers
	1	Input and Output devices
	2	Keyboard Shortcuts
	3	MS-Office
	4	E- Mail and Internet
	5	Latest trend in IT
		General Hindi
	1	व्याकरण/सन्धि
	2	व्याकरण/समास
3	व्याकरण/मुहावरे	
4	प्रयोगवाची शब्द	
5	विलोम शब्द	
6	व्याकरण/वचन	
7	व्याकरण/लिंग	
Domain	Sl. No.	Topics
Civil Section II	1	Engineering Drawing
	2	Building Material
	3	Strength of Material
	4	Basic of Hydraulics
	5	Concrete Technology
	6	Surveying
	7	Basics of Steel Design
	8	Transpiration Engineering
	9	Estimating, costing & Value
	10	Basics of Irrigation Engg
	11	Basics of Environmental Engineering

	12	Basics of Soil Mechanics
	13	Basics of RCC Design
Domain	Sl. No.	Topics
General Engineering Section III	1	Civil Engg/Surveying
	2	Civil Engg/Soil Mechanics
	3	Civil Engg/Hydraulics
	4	Civil Engg/Transportation Engineering
	5	Civil Engg/Environmental Engineering
	6	Electrical Engg/Basic Concepts
	7	Electrical Engg/Circuit Law
	8	Electrical Engg/Magnetic Circuit
	9	Electrical Engg/AC Fundamentals
	10	Mechanical Engg/Theory of Machines and Machine Design
	11	Mechanical Engg/Engineering Mechanics and Strength of Materials
	12	Mechanical Engg/Properties of Pure Substances
	13	Mechanical Engg/Fitting and Accessories
	14	Mechanical Engg/Classification of Steels

Syllabus for Accounts Officer,

Annexure - IV

Domain	Sl. No.	Topics
Aptitude Section I	General Studies	
	1	Current events/Scientific development
	2	Current events/Sports/Sport persons
	3	Current events/Capital and Currency
	4	Jharkhand History & Culture
	5	Jharkhand Industries
	6	Indian Geography and Environment
	Logical Reasoning	
	1	Place Imagination
	2	Relationship assumption
	3	Arithmetical Logic
	4	Secret writing and secret explanation
	5	Problem solving
	General English	
	1	Reading Comprehension
	2	Grammar/Sentence completion (Verbs)
	3	Grammar/Sentence completion (Prepositions)
	4	Synonyms and Antonyms
	5	Grammar/Sentence completion (Articles)
	Basic Knowledge of Computers	
	1	Input devices
	2	Output devices
	3	MS-Office
	4	E- Mail and Internet
	5	Latest trend in IT
	General Hindi	
	1	व्याकरण/सन्धि
	2	व्याकरण/समास
3	व्याकरण/मुहावरे	
4	पर्यायवाची शब्द	
5	विलोम शब्द	
6	व्याकरण/वचन	
7	व्याकरण/लिंग	
Domain	Sl. No.	Topics
Accounts Section II	1	Accounts
	2	Financial Management
	3	Cost Accounting
	4	Taxation- Direct/ Indirect
	5	Commercial Laws
	6	Company Laws
	7	Auditing
Domain	Sl. No.	Topics
Computer Proficiency	1	Operating System
	2	Online submissions related to taxation and compliance
	3	Keyboard Shortcuts

Test Section III	4	Accounting package /Tally
	5	History of Computers
	6	MS-Office

Section	Sl. No.	Topics
Section - I Domain	A	Electrical & Electronics
	1	Electrical Circuits.
	2	Electronics.
	3	Computer Aided Eng. Drawing.
	4	Electrical Machines.
	5	Communication and Computer Networks.
	6	Electrical & Electronics Measurements.
	7	Electronics.
	8	Electrical Machine.
	9	Electrical Power Generation.
	10	Transmission and Distribution.
	11	Power Electronics.
	12	Switchgear & Protection.
	13	Embedded System (Elective)
	14	Industrial drives & Control.
	15	Utilization drives & control.
	16	Utilization of electrical energy & management.
17	Basic Management skills and Indian constitution	
Section - II Aptitude	B	General Knowledge
	1	Current Affairs - National & International
	2	Indian History.
	3	Indian Geography.
	4	Indian Constitution.
	5	Science & Technology.
	6	Fundamental Knowledge of Computer
	C	Logical Reasoning
	1	Analogies.
	2	Similarities.
	3	Problem - Solving.
	4	Relationship Concepts.
	5	Space Visualization.
	6	Arithmetical Number Series.
	7	Arithmetical Reasoning
	D	General English & Comprehension
	1	Synonyms.
	2	Antonyms.
	3	One word substitution.
	4	Error detection.
	5	Idioms & Phrases.
	6	Passage comprehension
	E	General Hindi
	1	Grammar.
	2	Vocabulary.
	3	Comprehension.
	4	Fill in the Blanks.
	5	Error Detection.
6	Antonyms.	
7	Synonyms.	
8	Phrases/Muhavare	
F	Computer	
1	Basics of Computer.	

Section	Sf.No.	Topics
Section - I Domain	A	Domain
	1	Applied Mechanics
	2	Engineering Materials
	3	Engg. Drawing
	4	Technical Documentation
	5	Manufacturing Process
	6	Strength of Materials
	7	Elementary Civil Engineering
	8	Machine Drawing
	9	Basics of Thermal Engineering
	10	Electrical Technology
	11	Fluid Mechanics
	12	Industrial Management
	13	Applied Thermal Engg.
	14	Computer Integrated Manufacturing
	15	Theory of Machines
	16	CNC Machines
	17	Power Plant Engineering
	18	Machine Design
	19	Refrigeration & Air Conditioning
	20	Automobile Engineering
	21	Metrology & Instrumentation
22	CAD/CAM	
Section - II Aptitude	B	General Knowledge
	1	Current Affairs - National & International
	2	Indian History.
	3	Indian Geography.
	4	Indian Constitution.
	5	Science & Technology.
	6	Fundamental Knowledge of Computer
	C	Logical Reasoning
	1	Analogies.
	2	Similarities.
	3	Problem - Solving.
	4	Relationship Concepts.
	5	Space Visualization.
	6	Arithmetical Number Series.
	7	Arithmetical Reasoning
	D	General English & Comprehension
	1	Synonyms.
	2	Antonyms.
	3	One word substitution.
	4	Error detection.
	5	Idioms & Phrases.
	6	Passage comprehension
	E	General Hindi
	1	Grammar.
	2	Vocabulary.
	3	Comprehension.
	4	Fill in the Blanks.
5	Error Detection.	
6	Antonyms.	
7	Synonyms.	
8	Phrases/Muhavare	
F	Computer	
1	Basics of Computer	

JEE - CIVIL

Section	Sl. No.	Topics
Section - I Domain	A	Domain
	1	Engineering Drawing.
	2	Building Material.
	3	Strength of Material.
	4	Basic of Hydraulics.
	5	Concrete Technology.
	6	Surveying
	7	Basics of Steel Design.
	8	Transportation Engineering.
	9	Estimating, costing & Valuation
	10	Basics of Irrigation Engg.
	11	Basics of Environmental Engineering.
	12	Basics of Soil Mechanics & Foundation Engineering
13	Basics of Structures & RCC Design	
Section - II Aptitude	B	General Knowledge
	1	Current Affairs - National & International
	2	Indian History.
	3	Indian Geography.
	4	Indian Constitution.
	5	Science & Technology.
	6	Fundamental Knowledge of Computer
	C	Logical Reasoning
	1	Analogies.
	2	Similarities.
	3	Problem - Solving.
	4	Relationship Concepts.
	5	Space Visualization.
	6	Arithmetical Number Series.
	7	Arithmetical Reasoning
	D	General English & Comprehension
	1	Synonyms.
	2	Antonyms.
	3	One word substitution.
	4	Error detection.
	5	Idioms & Phrases.
	6	Passage comprehension
	D	General Hindi
	1	Grammar.
2	Vocabulary.	
3	Comprehension.	
4	Fill in the Blanks.	
5	Error Detection.	
6	Antonyms.	
7	Synonyms.	
8	Phrases/Muhavare	
F	Computer	
1	Basics of Computer	