

श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता
Syama Prasad Mookerjee Port, Kolkata
(15, स्ट्रैंड रोड/ 15, Strand Road,
कोलकाता/ Kolkata - 700001)

No. Admn/4284/XI/Jr. Engg/CME/Contract

Dated: 03.12.2024

NOTICE

Sub: List of eligible candidates for Written Test for engagement of Jr. Engineer (Mechanical) on contract under Kolkata Dock System of SMP, Kolkata

Reference SMPK's vacancy circular dated 12.06.2024 for engagement of Jr. Engineer (Mechanical) on contract under KDS of SMP, Kolkata.

2. A Written Test will be held for engagement of Jr. Engineer (Mechanical) on contract under KDS of SMPK. **The date, time and venue of the Written Test will be intimated shortly.**

3. Accordingly, the following shortlisted candidates are advised to report to the venue along with the printout of the e-mail, the **Admit Card** (with photograph affixed) attached in the e-mail and a valid photo ID proof (Voter card/ Aadhar card/ Passport/ Driving License etc.) in original:-

Sl. No.	Roll No.	Name of the Candidate
1	JEM/2024/001	Bipin Chandra Mallik
2	JEM/2024/002	Anup Kumar Samanta
3	JEM/2024/003	Bidesh Maity
4	JEM/2024/004	Bitan Das
5	JEM/2024/005	Sujit Samanta
6	JEM/2024/006	Sanjay Jana
7	JEM/2024/007	Ujjal Guha Amin
8	JEM/2024/008	Chandan Sarkar
9	JEM/2024/009	Pranay Kumar Mandal
10	JEM/2024/010	Manojeet Dolui
11	JEM/2024/011	Suman Paramanik
12	JEM/2024/012	Milu Roua
13	JEM/2024/013	Tamojit Ghosh
14	JEM/2024/014	Sutanu Palai
15	JEM/2024/015	Bikas Ghosh
16	JEM/2024/016	Subhankar Ghosh
17	JEM/2024/017	Saptarshi Pramanik



18	JEM/2024/018	Koushik Pandit
19	JEM/2024/019	Rajkrishna Patra
20	JEM/2024/020	Mahammad Faruk
21	JEM/2024/021	Mrinmoy Kumar Ghosh
22	JEM/2024/022	Dipankar Adak
23	JEM/2024/023	Sumanta Ghosh
24	JEM/2024/024	Ranit Majee
25	JEM/2024/025	Kamal Maity
26	JEM/2024/026	Sumanta Saren
27	JEM/2024/027	Ankit Dey
28	JEM/2024/028	Papia Chatterjee
29	JEM/2024/029	Suman Dey
30	JEM/2024/030	Anupom Mondal
31	JEM/2024/031	Sandip Bag
32	JEM/2024/032	Sanjoy Maity
33	JEM/2024/033	Sourav Das
34	JEM/2024/034	Anirban Das
35	JEM/2024/035	Prosenjit Seal
36	JEM/2024/036	Sumit Biswas
37	JEM/2024/037	Amit Biswas
38	JEM/2024/038	Abhijit Dev Mondal
39	JEM/2024/039	Sonu Kumar Sharma
40	JEM/2024/040	Partha Ghosh
41	JEM/2024/041	Soumik Biswas
42	JEM/2024/042	Shilajit Nandi
43	JEM/2024/043	Nitai De
44	JEM/2024/044	Subham Samanta
45	JEM/2024/045	Shantanu Santra
46	JEM/2024/046	Soumya Gantait
47	JEM/2024/047	Sanjib Kumar Mandal
48	JEM/2024/048	Dipanjan Maity
49	JEM/2024/049	Soumen Pradhan
50	JEM/2024/050	Brazil Barman
51	JEM/2024/051	Dibyendu Bhakta
52	JEM/2024/052	Dipankar Gayen




53	JEM/2024/053	Soumen Nandi
54	JEM/2024/054	Sudipta Acharya
55	JEM/2024/055	Utpal Mondal
56	JEM/2024/056	Sanglap Kumar Das
57	JEM/2024/057	Suman Patra
58	JEM/2024/058	Indranil Dhara
59	JEM/2024/059	Sumit Maji

4. On the basis of performance in the written test, candidates will be shortlisted and called for personal interview. Accordingly, the candidates are advised to follow the SMPK website (smp.smpportkolkata.in) to view the list of qualified candidates for personal interview.

5. **Important Instructions:**

- For appearance in the written test, the shortlisted candidates are required to bring along the original and one photocopy of Valid Identity proof issued by the Govt. of India, a copy of call letter/email, and the Admit Card attached in the call-letter/e-mail, with a duly attested recent passport size photograph affixed.
- In the event of non-appearance of the candidate on the date and time of the written test, it will be presumed that he/ she is not interested for the said contractual engagement and his/ her candidature will be cancelled without further notice or reference.
- Mere appearing in the examination does not confer any right or claim on the candidate for selection as Jr. Engineer (Mechanical) on contract. If any information, furnished by the candidate, is found to be incorrect/ false at any stage, the selection /contract is liable to be terminated forthwith.
- SMP, Kolkata reserves the right to cancel/ withhold the selection process without assigning any reason thereof.


(S. S. Chatterjee)
Sr. Dy. Secretary-II
For Secretary

Syama Prasad Mookerjee Port, Kolkata



श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता
SYAMA PRASAD MOOKERJEE PORT, KOLKATA
Formerly Kolkata Port Trust

Syllabus and Format of the Written Test for engagement of Jr. Engineer (Mechanical) on contract under Kolkata Dock System of SMP, Kolkata

Reference SMPK's advertisement dated 12.06.2024 on the above subject.

2. The Selection process will be consisting of the following stages:
 - (i) Stage I: Written Test – 100 marks
 - (ii) Stage II: Personal Interview of the candidates qualified in the Written Test
3. The Written Test, spanning over **90 minutes** duration in English language, shall comprise of **Multiple-Choice Questions (MCQ)** for **100 marks** as per following: -

Sl. No.	Topic	No. of Questions	Full Marks
1.	Quantitative Aptitude	20	25
2.	General English	20	25
3.	Reasoning	20	25
4.	Mechanical Engineering	20	25
Total		80	100

4. **The qualifying marks of the Written Test will be 50%.** Thus, candidates securing 50% and above marks in the Written Test shall only be called for Personal Interview. The date, time and venue of the Written Test will be intimated shortly.

5. **Indicative Syllabus for Written Test:**

Syllabus of the said examination would be as follows: -

- **Quantitative Aptitude**

Decimal Fraction, Simplification, Average, Problems on Ages, Surds and indices, Percentage, Profit and loss, Ratio and Proportion, Time and Work, Time and Distance, Simple Interest, Algebraic equations, Basic Geometric Shapes and Properties.

- **General English**

Parts of Speech, Tense, Articles, Preposition, Synonyms, Antonyms, Error spotting, Idioms/phrases, Spelling, Speeches/ Voices, Sentence improvement, Answering questions based on the Passages,

- **Reasoning**

Logical deduction, Analogy, Classification, Word formation, Coding-decoding, Number series, Letter series, Blood relations, Mathematical operations, Direction Sense, Statement and conclusion, Statement and argument, Statement and course of action, Sitting arrangement.

- **Mechanical Engineering**

Material Science, Machine Design, Metal Casting, Welding, Machining and Machine Tools, Fluid Mechanics, Pumps, Air Compressor, IC Engine, Mechanical Measurement & Engineering Drawing.

6. **Model Questions: -**

• **Quantitative Aptitude**

i. $(0.1 \times 0.01 \times 0.001 \times 10^7)$ is equal to -

- (a) $\frac{1}{10}$ (b) $\frac{1}{100}$ (c) 10 (d) 100

Ans. (c)

ii. If $3y + 9x = 54$ and $\frac{28x}{13y} = \frac{140}{39}$, then what is the value of $y - x$?

- (a) - 2 (b) - 1 (c) 1 (d) 2

Ans. (a)

iii. If two jeans and three shirts cost Rs.4000 and three jeans and two shirts cost Rs.3500, how much does a jean cost?

- (a) Rs.500 (b) Rs.1000 (c) Rs.1500 (d) Rs.2000

Ans. (a)

iv. A tank is $\frac{2}{5}$ full. If 16 litres of water is added to the tank, it becomes $\frac{6}{7}$ full. The capacity of the tank is -

- (a) 28 litres (b) 32 litres (c) 35 litres (d) 42 litres

Ans. (c)

v. Kunal bought 65 books for Rs.1050 from one shop and 50 books for Rs.1020 from another. What is the average price he paid per book?

- (a) Rs.18 (b) Rs.18.20 (c) Rs.24 (d) Rs. 36.40

Ans. (a)

• **General English**

i. Choose the correct Synonym for 'Onus'

- (a) Sadness (b) Happiness (c) Responsibility (d) Criticism

Ans. (c)

ii. Find the correctly spelt word -

- (a) Hindrance (b) Correspondence (c) Insurence (d) Assurence

Ans. (a)

iii. Choose the alternative which best express the meaning of the Idioms / Phrase printed in bold in the sentence-

The project is carried over to this year, and we need to keep the ball rolling.

- (a) to continue the work (b) more information (c) to do better (d) new strategies

Ans. (a)

iv. In the following questions, a sentence or **Bold** part thereof is given which may need improvement. Alternatives are given at (a) (b) & (c) below, which may be better option. In case no improvement is needed, your answer is (d) -

We generally select **one of the most intelligent student of the school** for this award

- (a) One of the most intelligent students of the school
(b) One of the intelligent most students of the school
(c) One of the intelligent most student of the school
(d) No improvement

Ans. (a)

Read the following passage and select the best answer to each question out of the given alternatives.

In May, 1966, The World Health Organization was authorized to initiate a global campaign to eradicate small pox. The goal was to eradicate the disease in one decade. Because similar projects for malaria and yellow fever had failed, few believed that small pox could actually be eradicated, but eleven years after the initial organization of the campaign, no cases were reported in the field.

The strategy was not only to provide mass vaccinations, but also to isolate patients with active small pox in order to contain the spread of the disease and to break the chain of human transmission. Rewards for reporting small pox assisted in motivating the public to aid health workers. One by one each small pox victim was sought out, removed from contact with others and treated. At the same time, the entire, village where the victim had lived was vaccinated.

Today small pox is no longer a threat to humanity. Routine vaccinations have been stopped worldwide.

v. Which of the following is the best title for the passage ?

- (a) The world Health Organization
(b) The Eradication of Small-pox
(c) Small pox vaccinations
(d) Infectious Diseases

Ans. (b)

vi. What was the goal of the campaign against small pox ?

- (a) To decrease the spread of small pox worldwide.
- (b) To eliminate small pox worldwide in ten years.
- (c) To provide mass vaccinations against small pox worldwide.
- (d) To initiate worldwide projects for small pox, malaria and yellow fever at the same time.

Ans. (b)

vii. According to the paragraph what was the strategy used to eliminate the spread of small pox?

- (a) Vaccination of the entire village
- (b) Treatment of individual victims
- (c) Isolation of victims and mass vaccinations
- (d) Extensive reporting of out breaks

Ans. (c)

• **Reasoning**

i. Directions: In each question below are given two statements followed by two conclusions numbered I & II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusion and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Statement : All Toy is Bottle.
A little Toy is Machine

Conclusions : I. No Toy is Bottle.
II. Some Machine is Bottle.

- (a) If only conclusion I follows;
- (b) If only conclusion II follows;
- (c) If either conclusion I or II follows;
- (d) If neither conclusion I nor II follows;
- (e) If both conclusions I and II follow.

Ans : (b).

ii. Directions: In the following questions assuming the given statements to be true, find which of the two conclusion I and II given them is / are definitely follows:

Statements : $A < z \geq P > Q < L \leq M < R = S$

Conclusions : I. $M > P$
II. $L < S$

- (a) Only I follow
- (b) Only II follow
- (c) Either I or II follow
- (d) Neither I nor II follows
- (e) Both I and II follows

Ans : (b).

iii. 'Cyclone' is related to 'Anti-cyclone', in the same way as 'Flood' is related to -
(a) Devastation (b) Havoc (c) River (d) Drought

Ans : (d).

iv. Directions: In each of the following question, there is a certain relationship between two given terms on one side of (: :) and one term is given on another side (: :) while another term is to be found from the given alternatives, having the same relation with this term as the terms of the given pair bear. Choose the correct alternative.

AZBY : CXDW :: EVFU : ?

- (a) GHTS
- (b) TGSH
- (c) GTHS
- (d) GSTH

Ans : (c).

v. Directions: In each of the following questions, a number series is given with one of the terms missing. Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.

23, 28, 34, 41, 49, ?

- (a) 57
- (b) 59
- (c) 56
- (d) 58

Ans : (d).

• **Mechanical Engineering**

i. The force exerted by a jet of water on a stationary vertical plate in the direction of the jet is (where, d = mass density of the liquid, a = cross sectional area of the jet, V = velocity of the jet).

- (a) da^2V
- (b) daV
- (c) daV^3
- (d) daV^2

Ans. (d)

ii. Which of the following is a perfect example of positive displacement pump?

- (a) Centrifugal pump
- (b) Vane pump
- (c) Reciprocating pump
- (d) Submersible pump

Ans. (c)

iii. A centrifugal pump is fully primed, but on starting it fails to deliver fluid. The probable reasons are listed below :

- i. Leaky foot valve or suction line
- ii. Suction head is very low
- iii. Insufficient motor speed
- iv. Damaged or closed delivery valve

Which of these reasons are correct ?

- (a) 1, 2, 3 & 4 (b) 1, 2 & 4 only (c) 2, 3 & 4 only (d) 1, 3 & 4 only

Ans. (d)

iv. Which of the following serious problems arise from cavitation ?

- (a) Damage to blade surface (b) Fall in efficiency
(c) Noise and vibration (d) All of above

Ans. (d)

v. Operation of hydraulic press is on the basis of

- (a) Joule's law (b) Pascal's law (c) Newton's law (d) Dalton's law

Ans. (b)
