



All India Institute of Medical Sciences, Jodhpur
Examination Cell

EXAMINATION NOTICE FOR

1.	Senior Hindi Officer	3.	Manifold Technician
2.	Junior Hindi Translator	4.	Biomedical Engineer*

This is with reference to Recruitment to above posts On DIRECT RECRUITMENT BASIS Vide advertisement No: Admn/Direct_Recruitment/01/2017-AIIMS.JDH Dated 16th March, 2017 and vide advertisement * No: Admn/Estt/04/05/2016-AIIMS.JDH dated 7th May, 2016.

No fresh applications are invited in this regard.

As there will be **Computer Based Examination (CBT) for recruitment** it is mandatory for candidates to provide the following information:

1. The CBT Examination will be conducted in **Jodhpur** for above said Posts.
2. No fresh applications are invited and the exam is only for the candidates who have already applied and updated their applications before 17th June 2018 .

Accordingly, schedule of starting the examinations process and other important dates are as under:-

S.No.	Activity	Proposed Dates
1.	Date of downloading of Admit Card	Friday, 10th Aug, 2018
2.	Date of Examination	Friday, 24th Aug, 2018
3.	Duration of Examination	The duration of the examination shall be 3 hours (180 minutes) . Exact Timing, venue etc. of Examination will be mentioned in the admit card.
4.	Scheme of Examination	<ol style="list-style-type: none">1. 200 MCQs of 200 marks with four alternatives for each question.*2. In MCQ Exam, There will be negative marking of 0.25 marks for each wrong answer.3. The qualifying marks in Recruitment Examination will be 50%for UR, 45% for OBC and 40% for SC & ST. Candidates will have to qualify in both MCQs and Translation Sections separately wherever applicable. Merit will be based on the total marks obtained in the examination. <p>*(Only For Senior Hindi Officer & Junior Hindi Translator):</p> <p>Section A- 100 MCQs (Each question of one marks with 0.25 Negative marking)</p> <p>Section B - Paragraph Translation (Each 250 Words) Marking Scheme explained with syllabus below</p> <p>I English To Hindi. II Hindi To English</p>
5.	Syllabus of Examination	The indicative syllabus is as mentioned below in the notification.
6.	Resolution of Tie Cases	In cases where more than one candidate secures equal aggregate percentile, tie will be resolved <ol style="list-style-type: none">(i) First by using date of birth with older candidates placed higher.(ii) If not resolved by (i), or in cases with same marks and same date of birth: number of wrong answers / negative marks will be used wherein those with less wrong answers / negative marks will be placed higher.



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Note: Filling of information in Registration form was MANDATORY for all candidates. ACCORDINGLY, CANDIDATES WHO DID NOT RESPONDED ARE NOT ALLOWED TO APPEAR IN THE EXAMINATION

All candidates are advised to download their admit cards from website www.aiimsjodhpur.edu.in. Only website generated Admit Cards will be treated as authentic and permissible to appear in the said Examination. **No admit cards will be sent by post.** All applicants are required to visit the AIIMS website www.aiimsjodhpur.edu.in regularly as all subsequent corrigendum / Addendum / Updates will only be uploaded on the above mentioned website only.

For problems related to login & grievances:-
Contact No.: 022-62816988 (09:00AM – 06:00PM)
Mail to: - exams2018aiimsj@gmail.com

Mock Link for Examination: See AIIMS Jodhpur Website

Indicative Syllabus for Examination: See Page 3 Onwards of this Notice.

SD/-
Controller of Examination



INDICATIVE SYLLABUS FOR BIOMEDICAL ENGINEER

(SYLLABUS IS ONLY INDICATIVE. THE QUESTIONS CAN ASSESS ANY ASPECT OF KNOWLEDGE, APTITUDE, ATTITUDE AND PRACTICAL SKILLS, WHICH IS EXPECTED FROM A TRAINED PERSON TO WORK EFFICIENTLY AT THE ADVERTISED POST)

BASICS IN ENGINEERING

1. TECHNICAL ENGLISH
2. ENGINEERING MATHEMATICS
3. ENGINEERING PHYSICS
4. ENGINEERING CHEMISTRY
5. ENGINEERING GRAPHICS

BASICS ABOUT HUMAN BODY

HUMAN ANATOMY, HUMAN PHYSIOLOGY AND BIO CHEMISTRY (ONLY VERY BASICS LIKE NAMES OF BODY PARTS, SYSTEMS) ETC.

BIOMEDICAL ENGINEERING

COMPUTER PROGRAMMING, ELECTRONIC DEVICES AND CIRCUITS, CIRCUIT THEORY, TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS, SIGNALS AND SYSTEMS, SENSORS AND MEASUREMENTS, OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES, PROBABILITY AND RANDOM PROCESSES, BASICS OF ELECTRICAL ENGINEERING, ANALOG AND DIGITAL ICS, PATHOLOGY AND MICROBIOLOGY, ANALOG AND DIGITAL COMMUNICATION, CIRCUITS AND ICS LABORATORY, PATHOLOGY AND MICROBIOLOGY LABORATORY, BIO CONTROL SYSTEMS, OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES, PROBABILITY AND RANDOM PROCESSES, BASICS OF ELECTRICAL ENGINEERING, ANALOG AND DIGITAL ICS, PATHOLOGY AND MICROBIOLOGY, ANALOG AND DIGITAL COMMUNICATION, CIRCUITS AND ICS LABORATORY, PATHOLOGY AND MICROBIOLOGY LABORATORY, BIO CONTROL SYSTEMS, DIAGNOSTIC AND THERAPEUTIC EQUIPMENT, BIO MATERIALS AND ARTIFICIAL ORGANS, BIOMEDICAL INSTRUMENTATION, MICROPROCESSOR AND MICROCONTROLLER, HOSPITAL MANAGEMENT, RADIOLOGICAL EQUIPMENT, BIOMECHANICS, PRINCIPLES OF DIGITAL SIGNAL PROCESSING, ENVIRONMENTAL SCIENCE AND ENGINEERING, DIGITAL SIGNAL PROCESSING LABORATORY, DIAGNOSTIC AND THERAPEUTIC EQUIPMENT (ECG, EEG, USG, CT SCAN, MRI, INFUSION PUMPS, CARDIAC MONITORS ETC.), PATTERN RECOGNITION AND NEURAL NETWORKS, MEDICAL INFORMATICS, MEDICAL OPTICS, DIGITAL IMAGE PROCESSING, HOSPITAL TRAINING, REHABILITATION ENGINEERING ETC.



INDICATIVE SYLLABUS FOR MANIFOLD TECHNICIAN

(SYLLABUS IS ONLY INDICATIVE. THE QUESTIONS CAN ASSESS ANY ASPECT OF KNOWLEDGE, APTITUDE, ATTITUDE AND PRACTICAL SKILLS, WHICH IS EXPECTED FROM A TRAINED PERSON TO WORK EFFICIENTLY AT THE ADVERTISED POST)

PART A: GENERAL INTELLIGENCE & REASONING: (THE LEVEL SHOULD BE OF 10+2 LEVEL REASONING AND INTELLIGENCE)

IT WOULD INCLUDE QUESTIONS OF BOTH VERBAL AND NON-VERBAL TYPE. THIS COMPONENT MAY INCLUDE QUESTIONS ON ANALOGIES, SIMILARITIES AND DIFFERENCES, SPACE VISUALIZATION, SPATIAL ORIENTATION, PROBLEM SOLVING, ANALYSIS, JUDGMENT, DECISION MAKING, VISUAL MEMORY, DISCRIMINATION, OBSERVATION, RELATIONSHIP CONCEPTS, ARITHMETICAL REASONING AND FIGURAL CLASSIFICATION, ARITHMETIC NUMBER SERIES, NON-VERBAL SERIES, CODING AND DECODING, STATEMENT CONCLUSION, SYLLOGISTIC REASONING, SEMANTIC ANALOGY, SYMBOLIC/NUMBER ANALOGY, FIGURAL ANALOGY, SEMANTIC CLASSIFICATION, SYMBOLIC/NUMBER CLASSIFICATION, FIGURAL CLASSIFICATION, SEMANTIC SERIES, NUMBER SERIES, FIGURAL SERIES, PROBLEM SOLVING, WORD BUILDING, CODING & DE-CODING, NUMERICAL OPERATIONS, SYMBOLIC OPERATIONS, TRENDS, SPACE ORIENTATION, SPACE VISUALIZATION, VENN DIAGRAMS, DRAWING INFERENCES, PUNCHED HOLE/PATTERN-FOLDING & UNFOLDING, FIGURAL PATTERN – FOLDING AND COMPLETION, INDEXING, ADDRESS MATCHING, DATE & CITY MATCHING, CLASSIFICATION OF CENTRE CODES/ROLL NUMBERS, SMALL & CAPITAL LETTERS/NUMBERS CODING, DECODING AND CLASSIFICATION, EMBEDDED FIGURES, CRITICAL THINKING, EMOTIONAL INTELLIGENCE, SOCIAL INTELLIGENCE, OTHER SUB-TOPICS, IF ANY.

PART B: BASIC AND APPLIED MEDICAL GAS MANIFOLD

1. NAMES AND BRIEF DESCRIPTION OF THE HAND TOOLS IDENTIFICATION OF GAS CYLINDERS. DIFFERENT TYPES OF WELDED JOINTS AND NECESSARY PREPARATION REQUIRED FOR THESE. WELDING SYMBOLS AS APPLIED TO DRAWING. SAFETY PRECAUTIONS, HAND TOOLS USED FOR MOLDING. THE DESCRIPTION, USE AND CARE OF HAND TOOLS.
2. PIPING MATERIALS AND SPECIFICATIONS OF W.I. & STEEL PIPES. PIPE THREADS. PIPEFITTINGS. SPECIFICATIONS OF FITTINGS. BRIEF DESCRIPTION OF DIFFERENT TYPES OF PIPE JOINTS. PIPE FITTINGS,



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FLANGES, UNIONS, VALVES ETC. DIFFERENT TYPES OF PIPES LAY OUT SYSTEMS. DIFFERENT TYPES OF PIPE JOINTS.

3. WORKING PRINCIPLE OF VALVES AND THEIR DESCRIPTION
4. MECHANICAL FAULTS ON TERMINAL OUTLETS LINE REGULATORS ZONE VALVE BOXES AND FAULTS ON ELECTRICALLY CONTROLLED LINE PRESSURE ALARMS
5. OXYGEN ACETYLENE WELDING PROCEDURE OF MEDICAL GAS PIPELINE USING INERT GAS SHIELDING
6. INSTALLATION, MAINTENANCE AND REPAIR OF LIQUID OXYGEN PLANT AND HIGH-PRESSURE CYLINDER MANIFOLDS
7. TYPES OF GAS MANIFOLDS
8. MANIFOLD SELECTION CRITERIA
9. MANIFOLD ASSEMBLIES
10. SEMI-AUTOMATIC MANIFOLDS
11. MANIFOLD ACCESSORIES
12. MANIFOLD VALVES etc.



INDICATIVE SYLLABUS FOR SENIOR HINDI OFFICER & JUNIOR HINDI TRANSLATOR

(SYLLABUS IS ONLY INDICATIVE. THE QUESTIONS CAN ASSESS ANY ASPECT OF KNOWLEDGE, APTITUDE, ATTITUDE AND PRACTICAL SKILLS, WHICH IS EXPECTED FROM A TRAINED PERSON TO WORK EFFICIENTLY AT THE ADVERTISED POST)

ENGLISH LANGUAGE:

CORRECTION OF SENTENCES AND FILL IN THE BLANKS, ARTICLES & DETERMINERS, PREPOSITIONS, NOUN, VERBS, ADJECTIVE, TENSES & SEQUENCE OF TENSES, MODALS , VOICE-ACTIVE & PASSIVE, NARRATION- DIRECT & INDIRECT, SYNONYMS & ANTONYMS, PHRASAL VERBS & IDIOMS, ONE WORD SUBSTITUTE, WORDS OFTEN CONFUSED OR MISUSED etc.

HINDI SYLLABUS:

- संधि एवं संधि विच्छेद
- उपसर्ग और प्रत्यय
- शब्द-युग्मों का अर्थ भेद
- एक वाक्यांश के लिए एक सार्थक शब्द
- वाक्य एवं शब्द शुद्धि- विभिन्न व्याकरणिक अशुद्धियों वाले वाक्य एवं शब्द को शुद्ध करना।
- मुहावरे एवं लोकोक्तियाँ: अनुप्रयोग
- पारिभाषिक शब्दावली
- पर्यायवाची शब्द
- विलोम शब्द

Translation from English to Hindi

A Paragraph of appropriate size for translation from English to Hindi.

Translation from Hindi to English

A Paragraph of appropriate size for translation from Hindi to English.



Section B of the Examination will be TRANSLATION SECTION with maximum marks = 100.

(English to Hindi Translation 50 Marks & Hindi to English Translation 50 Marks)

Evaluation criteria for translation of passages

There will be a passage of 250 words in English for translation to Hindi and Similarly another one for translation from Hindi to English. The purpose of translation from one language to another is that the readers who do not know the original language of the text may also be able to read and understand it in their own language. So it is necessary that a translated text be appropriate in terms of the vocabulary or the words used, grammar including tenses and sentence structure, and spelling of the target language.

In order to evaluate the translated text the above mentioned components may be looked at with the following division of marks for each passage. The assessment scheme is only indicative and decision of AIIMS, Jodhpur will be final.

- Use of appropriate vocabulary or the words in the target language (20 marks)
- Use of correct grammar of the target language Including the tense and sentence structure (20 marks)
- Use of appropriate spelling, Punctuation, etc. (10 marks)

गद्यांश के अनुवाद के लिए मूल्यांकन मानदंड

हिंदी में अनुवाद के लिए अंग्रेजी में 250 शब्दों का एक अनुच्छेद होगा और इसी तरह हिंदी से अंग्रेजी में अनुवाद के लिए दूसरा। एक भाषा से दूसरी भाषा में अनुवाद का प्रयोजन है कि वे पाठक जिन्हें मूल लेख की भाषा नहीं आती है वे भी उसे अपनी भाषा में पढ़ कर समझ सकें। इसलिए यह आवश्यक है कि अनुवादित लेख शब्दों और व्याकरण की दृष्टि से पूर्णरूप से उपयुक्त हो जिसमें काल, वाक्य संरचना और वर्तनी शामिल हैं। अनुवादित लेख के मूल्यांकन के लिए अंकों को उपलिखित अवयवों में निम्नलिखित रूप से विभाजित किया जा सकता है। मूल्यांकन योजना केवल संकेतक है और एम्स जोधपुर का निर्णय अंतिम होगा।

- लक्ष्य भाषा में उपयुक्त शब्दों का प्रयोग ----- 20 अंक
- लक्ष्य भाषा की उपयुक्त व्याकरण अर्थात् काल और वाक्य संरचना का प्रयोग ----- 20 अंक
- उपयुक्त वर्तनी और विराम चिन्हों का प्रयोग ----- 10 अंक