अन्वेषण - D

नेत्रिकण संचालनालय, महाराष्ट्र राज्य,
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क्रमक 28/एचएम 2016/ RAC
विनिमय: 16 OCT 2018

प्रति:
मा.आयुक्त,
राज्य सामाजिक प्रवेद परीक्षा कम, महाराष्ट्र राज्य,
8था माफिका, न्यू एक्सीलिस्टर बिलिंगार,
र के नायक माफिका,
पोर्ट, मुंबई 400 007

विषय: शैक्षिक वर्ष 2019-20 साली चैय्यक याचाचा संचालनालयाची संवेदनशील
बिविध प्रवेद परीक्षा अन्यायालग्न (Syllabuses) वाळत....

संदर्भ: आपले चयन क्रमक 5) चीडीटी रेल/ सं/अन्यायक चीडीटी 2015/2016/2017, विनिमय
90.6.2018 व 36) चीडीटी कम/NEET JEE/प्रवेद परीक्षा/2015-20/1279/2018,
विनिमय 12.9.2018

महेंद्र,

सौंदर्य विद्यागृहाने सांवद्यतावृत्ती प्राप्तीसाठी शैक्षिक वर्ष 2019-20 साली संचालनालयाची अन्यायालग्न अन्यायालग्न सांवद्यतावृत्ती चीडीटी अन्यायालग्न (Syllabuses) शैक्षिक वर्ष 2018-19 प्रमाणे व वर्षान्तरीय चुकाना प्रस्तावित करणायले येत आहे. सौंदर्य चीडीटी परीक्षा अन्यायालग्न सांवद्यतावृत्ती जोडून सादर करणायले येत आहे.

1. वाचावाचाराचा या पदयुतचा पदवी अन्यायालग्नाचा प्रथम वर्ष प्रवेशासाठीय छ मह-मबा/ MMS CBT 2019
2. एमटीसी व पदयुत चीडीटी अन्यायालग्नाचा प्रथम वर्ष व वेळी प्रवेशासाठीय छ मह- MCA CBT 2019
3. हॉटेल मैज़निंग ब्रैंड बेंटरिंग टेकर्नॉलॉजी पदयुतचा पदवी अन्यायालग्नाचा प्रथम वर्ष प्रवेशासाठीय छ MHS-M. HMCT CBT 2019
4. वाचावाचाराचा या पदयुतचा पदवी अन्यायालग्नाचा प्रथम वर्ष प्रवेशासाठीय छ MHS-M. Arch CBT 2019
5. हॉटेल मैज़निंग ब्रैंड बेंटरिंग टेकर्नॉलॉजी पदवी अन्यायालग्नाचा प्रथम वर्ष प्रवेशासाठीय छ MHS-B. HMCT CBT 2019

आपले,

(अध्यक्ष)
संचालन, संचालनालय, महाराष्ट्र राज्य, मुंबई
I. **Syllabus and Marking Scheme for MAH-MBA/MMS CET 2012**

**Contents:**

A) **Logical / Abstract Reasoning.**

This shall include the questions to measure how quickly and accurately you can think. This test may have questions based on figures and diagrams and also questions on verbal reasoning.

B) **Quantitative Aptitude.**

This shall include the questions to know how fast and accurate you can work with numbers, do numerical calculations understand various arithmetic problems involving ratio and proportion, percentage, etc. This test also helps to measure your power of quantitative reasoning, interpretation of tables, common graphs and charts.

C) **Verbal Ability and Reading Comprehension**

This shall include passages with questions based on their contents to test your comprehension. Your English Language ability would be tested through questions on grammar, vocabulary, sentence completion, synonyms, antonyms, comprehension of passages etc. Your English language ability would be tested through questions on (1) understanding of the contents of the passage and (2) choice of appropriate words, phrases, expressions and similar language skills.

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Topics</th>
<th>No of Questions</th>
<th>Mark per Question</th>
<th>Maximum Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Logical Reasoning</td>
<td>75</td>
<td>1</td>
<td>75</td>
</tr>
<tr>
<td>2</td>
<td>Abstract Reasoning</td>
<td>25</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>3</td>
<td>Quantitative Aptitude</td>
<td>50</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>Verbal Ability / Reading Comprehension</td>
<td>50</td>
<td>1</td>
<td>50</td>
</tr>
</tbody>
</table>

The test will comprise of multiple choice objective type questions (Five Options)

There is no negative marking System for this test.

Test Duration: **150 Minutes**

Medium of CET: **English**

Mode of Examination - **Online**

(Pratik Naik)
Joint Director
Technical Education,(M.S), Mumbai
2. Syllabus and Marking Scheme for Master of Computer Applications \textit{MAE-MCA CET 2019}

The Online CET would be comprised of two online papers viz. General Aptitude (GA) and Computer Concepts (CC) of 100 marks each, with composite time of 90 minutes duration. Each paper shall have 25 questions.

Contents:
1. General Aptitude
   The main objective of this paper is to assess the general aptitude of the candidate to pursue a computer applications and software profession.

   Syllabus
   The questions in this paper will cover: logical reasoning, quantitative reasoning, high school mathematics, vocabulary, English comprehension and verbal ability. A good grasp of the following topics of high school mathematics (up to the 12th standard) will be useful:
   - Algebra: Fundamental operations in Algebra, Expansion, factorization, Quadratic equations, indices, logarithms, arithmetic, geometric and harmonic progressions, binomial theorem, permutations and combinations.
   - Co-ordinate Geometry: Rectangular Cartesian co-ordinates, equations of a line, mid point, intersections etc., equations of a circle, distance formulae, pair of straight lines, parabola, ellipse and hyperbola, simple geometric transformations such as translation, rotation, scaling.
   - Trigonometry: Simple identities, trigonometric equations, properties of triangles. Solution of triangles, height and distance, inverse function.
   - Probability and Statistics: Basic concepts of probability theory. Averages. Dependent and independent events, frequency distributions, and measures of dispersions, skewness and kurtosis, random variable and distribution functions, mathematical expectations, Binomial, Poisson, normal distributions, curve fitting, and principle of least squares, correlation and regression.
   - Arithmetic: Ratios and proportions, problems on time-work, distance-speed, percentage, etc.
   - Basic Set Theory and Functions: Set, relations and mappings.
   - Mensuration: areas, triangles and quadrilaterals, area and circumference of circles, volumes and surface areas of simple solids such as cubes, spheres, cylinders and cones.

2. Computer Concepts
   Syllabus
   - Computer Basics: Organization of a computer, Central Processing Unit (CPU), Structure of instructions in CPU, input / output devices, computer memory, memory organization, back-up devices.
   - Data Representation: Representation of characters, integers, and fractions, binary and hexadecimal representations, Binary Arithmetic: Addition, subtraction, division, multiplication, signed arithmetic and two’s complement arithmetic, floating point representation of numbers, normalized floating point representation, Boolean algebra, truth tables, Venn diagrams.
   - Computer Architecture: Block structure of computers, communication between processor and I/O devices, interrupts.
   - Computer Language: Assembly language and high level language, Multiprogramming and time sharing operating systems, Computer Programming in C.
   - Operating System basics: Multiprogramming and timesharing operating systems.

<table>
<thead>
<tr>
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<th>No of Questions</th>
<th>Marks per Question</th>
<th>Maximum Marks</th>
<th>Total Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Aptitude</td>
<td>25</td>
<td>4</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>Computer Concepts - Computer Basics</td>
<td>25</td>
<td>4</td>
<td>100</td>
<td>200</td>
</tr>
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<td>25</td>
<td>4</td>
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<td>200</td>
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</tbody>
</table>

The test will comprise of multiple choice objective type questions (Four Options)

There is negative marking System for this CET. Each correct answer will carry 4 marks. Each wrong answer will carry 1 negative mark. Unanswered questions will carry zero marks.

Test Duration: 90 minutes

Medium of CET: English

Mode of Examination - Online

(Pramod Kark)
Joint Director
Technical Education (M.S), Mumbai
### Syllabus and Marking Scheme for Master of Hotel Management and Catering Technology

**MAH-MHMCT CET 2019**

**Contents:**

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<tbody>
<tr>
<td>1</td>
<td>Food and Beverage Operation&lt;br&gt;Food and Beverage Service Operations, related terminology, inventory control, Food &amp; Beverage equipment and infrastructure</td>
<td>10</td>
<td>02</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Food Production&lt;br&gt;Food Production operations, Indian &amp; International cuisines and related terminology, Bakery and Confectionary, Hygiene and Safety standards, Kitchen equipments and Infrastructure</td>
<td>10</td>
<td>02</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Rooms division&lt;br&gt;Housekeeping and front office operations and related terminology, fabrics &amp; textiles, Planning &amp; designing of hospitality organisations, Laundry operations and procedures.</td>
<td>10</td>
<td>02</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>English&lt;br&gt;(Word meaning, comprehension, synonyms and synonyms, idioms and phrases, word spellings)</td>
<td>10</td>
<td>02</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Hospitality Industry related&lt;br&gt;(Types of tourism, hotel and restaurant brands and segments, Airlines, hospitality terms, hospitality related organizations and regulatory bodies)</td>
<td>10</td>
<td>02</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

The test will comprise of multiple choice objective type questions (Four Options)

There is no negative marking System for this test.

Test Duration: 60 minutes

Medium of CET: English

Mode of Examination - Online

(Signed)
(Pramod Neilk)
Joint-Director
Technical Education,(M.S), Mumbai

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<table>
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<tr>
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<tbody>
<tr>
<td>1</td>
<td>Building Technology Building systems, Building Science and services, concept of green building, construction materials.</td>
<td>10</td>
<td>2 marks</td>
<td>20 Marks</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Environment Concept and Ecology and landscape design, Environment laws and regulations, Environment design strategies w.r.t site.</td>
<td>10</td>
<td>2 marks</td>
<td>20 Marks</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Architecture History and humanities Awareness of Art and culture and architectural theory, major architecture movements in the world and in India.</td>
<td>10</td>
<td>2 marks</td>
<td>20 Marks</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>Settlement, design and planning Urbanization, Urbanism, Urban and rural system, Infrastructure planning theory and history.</td>
<td>10</td>
<td>2 marks</td>
<td>20 Marks</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Current Architecture Practice Awareness of National building code. Town planning laws and development control regulation, knowledge of Regulatory and professional bodies on architecture.</td>
<td>10</td>
<td>2 marks</td>
<td>20 Marks</td>
<td></td>
</tr>
</tbody>
</table>

The test will comprise of multiple choice objective type questions (Four Options)

There is no negative marking System for this test.

Test Duration: 60 minutes

Medium of CET: English

Mode of Examination - Online

(Pramod herk)
Joint Director
Technical Education, (M.S), Mumbai

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ARA/30-10-2018
The On Line test will have 100 Questions based on Reasoning (Verbal as well as Arithmetic), English Language & General Awareness including questions on culture, current national, international affairs, trade & commerce, sports, scientific inventions and discoveries, travel/tourism etc.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>40</td>
<td>1</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Reasoning (Verbal and Arithmetic)</td>
<td>30</td>
<td>1</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>General Knowledge &amp; Awareness including questions on current national, international affairs, culture, trade &amp; commerce, sports, scientific inventions and discoveries, travel/tourism etc.</td>
<td>30</td>
<td>1</td>
<td>30</td>
<td>100</td>
</tr>
</tbody>
</table>

The test will comprise of multiple choice objective type questions (Four Options)

There is no negative marking System for this test.

Test Duration: 90 minutes

Medium of CET: English

Mode of Examination - Online

(Pramod Naik)
Joint Director
Technical Education,(M.S), Mumbai