



Government of Maharashtra

**State Common Entrance Test Cell, Maharashtra State, Mumbai**

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STATE CET CELL/MAH/MHTCET Syllabus 2018-2019 /1613

14<sup>TH</sup> NOVEMBER 2018

**On Line- Computer Based Test (CBT)-MHTCET-2019-2020  
Syllabus and Marking Scheme.**

Read:- Letter from Hon. Director, Technical Education No. 2-A/ADM/2016/1412 dated 6<sup>th</sup> November 2018

- The questions will be based on Syllabus of Maharashtra State Board of Secondary and Higher Secondary Education.
- Approximately 20% weightage will be given to Std. XI curriculum and 80% weightage will be given to Std. XII curriculum while setting the question paper.
- There will be no Negative Marking, however difficulty level will be at par with the JEE (Main) for Mathematics, Physics, Chemistry and difficulty level for Biology will be at par with NEET. The questions will be mainly application based.
- MHT-CET will consist of 3 question papers of Multiple Choice Questions (MCQ) and each paper will be of 100 marks. Details are as given below :

Paper	Subject	Approximate No. of Multiple Choice Questions (MCQ) based on		Mark(s) Per Question	Total Marks	Duration in Minutes
		Std. XI	Std. XII			
Paper I	Mathematics	10	40	2	100	90
Paper II	Physics	10	40	1	100	90
	Chemistry	10	40			
Paper III	Biology (Botany)	10	40	1	100	90
	Biology (Zoology)	10	40			

- The question will be set on
  - Whole Syllabus of Physics, Chemistry, Biology and Mathematics subjects of Std. XII
  - Syllabus of Std. XI as mentioned below:

Sr. No.	Subject	Chapters/Units of Std. XI Syllabus
1	Physics	Measurements, Scalars and Vectors, Force, Friction in solids and liquids, Refraction of Light, Ray optics, Magnetic effect of electric current, Magnetism.
2	Chemistry	Some basic concepts of chemistry, States of matter: Gases and liquids, Redox reaction, Surface chemistry, Nature of chemical bond, Hydrogen, s-Block elements(Alkali and alkaline earth metals), Basic principles and techniques in Organic Chemistry, Alkanes.
3	Mathematics	Trigonometric functions, Trigonometric functions of Compound Angles, Factorisation Formulae, Straight Line, Circle and Conics, Sets, Relations and Functions, Probability, Sequences and series.
4	Biology	
	Section I - Botany	Diversity in Organisms, Biochemistry of Cell, Plant Water Relations and Mineral Nutrition, Plant Growth and Development.
	Section II - Zoology	Organization of Cell, Animal tissues, Human Nutrition, Human Respiration

14/11/18

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