

—NEW SCHEME**Scheme of Examination of B.Sc. 1st Semester Mathematics
(w.e.f. 2018-2019)**

Paper Code	Title of the Paper	Allocation of Periods	Maximum Marks		
			Theory	Internal Assessment	Total
12BSM 111	Algebra	6 periods/ 4 hours per week	40	10	150
12BSM 112	Calculus	6 periods/ 4 hours per week	40	10	
12BSM 113	Solid Geometry	6 periods/ 4 hours per week	40	10	

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Note:- The other conditions will remain the same as per relevant ordinance and rules and regulations of the University.

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NEW SCHEME**Scheme of Examination of B.Sc 2nd Semester Mathematics
(w.e.f. 2018-2019)**

Paper Code	Title of the Paper	Allocation of Periods	Maximum Marks		
			Theory	Internal Assessment	Total
12BSM 121	Number Theory and Trigonometry	6 periods/ 3 hours per week	40	10	150
12BSM 122	Ordinary Differential Equations	6 periods/ 3 hours per week	40	10	
12BSM 123	Vector Calculus	6 periods/ 3 hours per week	40	10	

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Note: The other conditions will remain the same as per relevant ordinance and rules and regulations of the University.

NEW SCHEME

Scheme of Examination of B.Sc. 3rd Semester Mathematics (w.e.f. 2018-2019)

Paper Code	Title of the Paper	Allocation of Periods	Maximum Marks		
			Theory	Internal Assessment	Total
12BSM231	Advanced Calculus	6 periods/ 4 hours per week	40	10	150
12BSM232	Partial Differential Equations	6 periods/ 4 hours per week	40	10	
12BSM233	Statics	6 periods/ 4 hours per week	40	10	

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**Note:-** The other conditions will remain the same as per relevant ordinance and rules and regulations of the University.

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**MAHARSHI DAYANAND UNIVERSITY, ROHTAK**  
**Scheme of Examination (Semester System)**

**B.Sc. Part-I/II/III with Computer Science as a Subject**

**With effect from : 2012-2013**

| Year                                            | Semester        | Paper | Name of the Paper                                                | Max. Marks | Internal Marks | Exam Hours |
|-------------------------------------------------|-----------------|-------|------------------------------------------------------------------|------------|----------------|------------|
| <b>First Year with effect from : 2012-2013</b>  |                 |       |                                                                  |            |                |            |
|                                                 | 1 <sup>st</sup> | 1.1   | Computer Fundamentals & MS-Office                                | 40         | 10             | 3          |
|                                                 |                 | 1.2   | Computer Architecture                                            | 40         | 10             | 3          |
|                                                 |                 | 1.3   | * Practical Lab Work (Based on paper 1.1)                        |            |                |            |
|                                                 | 2 <sup>nd</sup> | 2.1   | Programming in C                                                 | 40         | 10             | 3          |
|                                                 |                 | 2.2   | Structured Systems Analysis and Design                           | 40         | 10             | 3          |
|                                                 |                 | 2.3   | <b>Practical &amp; Viva-voce</b><br>(Based on Paper 1.1 & 2.1)   | <b>100</b> | -              | <b>4</b>   |
| <b>Second Year with effect from : 2013-2014</b> |                 |       |                                                                  |            |                |            |
|                                                 | 3 <sup>rd</sup> | 3.1   | Data Communication and Networking                                | 40         | 10             | 3          |
|                                                 |                 | 3.2   | Object-Oriented Design and C++                                   | 40         | 10             | 3          |
|                                                 |                 | 3.3   | * Practical Lab Work (Based on paper 3.2)                        |            |                |            |
|                                                 | 4 <sup>th</sup> | 4.1   | Data Structures with C/C++                                       | 40         | 10             | 3          |
|                                                 |                 | 4.2   | Operating Systems                                                | 40         | 10             | 3          |
|                                                 |                 | 4.3   | <b>Practical &amp; Viva-voce</b><br>(Based on Paper - 3.2 & 4.1) | <b>100</b> | -              | <b>4</b>   |
| <b>Third Year with effect from : 2014-2015</b>  |                 |       |                                                                  |            |                |            |
|                                                 | 5 <sup>th</sup> | 5.1   | Database Management System                                       | 40         | 10             | 3          |
|                                                 |                 | 5.2   | Introduction to Internet & Web Technologies                      | 40         | 10             | 3          |
|                                                 |                 | 5.3   | * Practical Lab Work (Based on paper 5.1 & 5.2)                  |            |                |            |
|                                                 | 6 <sup>th</sup> | 6.1   | Visual Basic Programming                                         | 40         | 10             | 3          |
|                                                 |                 | 6.2   | Software Engineering                                             | 40         | 10             | 3          |
|                                                 |                 | 6.3   | <b>Practical &amp; Viva-Voice</b><br>(Based on 5.1, 5.2& 6.1)    | <b>100</b> | -              | <b>4</b>   |

\* The University Practical Examinations will be held only once a year in Even semester i.e. 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> semester.

\* In ODD semesters, Practical Lab work to be conducted as mentioned above by the concerned Teachers in their Colleges/Departments Labs.

**SCHEME OF EXAMINATION**  
**B.Sc. (PASS COURSE) PHYSICS Semester I – II w.e.f. 2016-17**

**Semester I**

| Paper No. | Paper Code | Name of the paper         | Max. marks | IA | Time   |
|-----------|------------|---------------------------|------------|----|--------|
| Paper I   | PHY-101    | Mechanics                 | 45         | 10 | 3 Hrs. |
| Paper II  | PHY-102    | Electricity and Magnetism | 45         | 10 | 3 Hrs. |
| Paper III | PHY-103    | Practical                 | 40         | -  | 3 Hrs. |

**Semester II**

| Paper No. | Paper Code | Name of the paper                                    | Max. marks | IA | Time   |
|-----------|------------|------------------------------------------------------|------------|----|--------|
| Paper I   | PHY-201    | Properties of Matters, Kinetic Theory and Relativity | 45         | 10 | 3 Hrs. |
| Paper II  | PHY-202    | Electro-magnetic Induction and Electronic Devices    | 45         | 10 | 3 Hrs. |
| Paper III | PHY-203    | Practical                                            | 40         | -  | 3 Hrs. |

**B.Sc. (PASS COURSE) PHYSICS Semester III – IV w.e.f. 2017-18**

**Semester III**

| Paper No. | Paper Code | Name of the paper                      | Max. marks | IA | Time   |
|-----------|------------|----------------------------------------|------------|----|--------|
| Paper I   | PHY-301    | Computer Programming<br>Thermodynamics | 45         | 10 | 3 Hrs. |
| Paper II  | PHY-302    | Optics- I                              | 45         | 10 | 3 Hrs. |
| Paper III | PHY-303    | Practical                              | 40         | -  | 3 Hrs. |

**Semester IV**

| Paper No. | Paper Code | Name of the paper     | Max. marks | IA | Time   |
|-----------|------------|-----------------------|------------|----|--------|
| Paper I   | PHY-401    | Statistical Mechanics | 45         | 10 | 3 Hrs. |
| Paper II  | PHY-402    | Optics- II            | 45         | 10 | 3 Hrs. |
| Paper III | PHY-403    | Practical             | 40         | -  | 3 Hrs. |

**Scheme of Examination**  
**B. Sc. (Pass Course) Physics Semester-V & VI for the sessions 2018-19**

**Semester-V**

| Paper No. | Title               | Time   | Total Marks | Internal Assessment | Max. Marks  |
|-----------|---------------------|--------|-------------|---------------------|-------------|
| Phy-501   | Solid State Physics | 3 Hrs. | 55          | 10                  | 45 (Theory) |
| Phy-502   | Quantum Mechanics   | 3 Hrs. | 55          | 10                  | 45(Theory)  |
| Phy-503   | Practical           | 3 Hrs. | 40          |                     | 40          |

**Semester-VI**

| Paper No. | Title                               | Time   | Total Marks | Internal Assessment | Max. Marks  |
|-----------|-------------------------------------|--------|-------------|---------------------|-------------|
| Phy-601   | Atomic, Molecular and Laser Physics | 3 Hrs. | 55          | 10                  | 45 (Theory) |
| Phy-602   | Nuclear Physics                     | 3 Hrs. | 55          | 10                  | 45 (Theory) |
| Phy-603   | Practical                           | 3 Hrs. | 40          |                     | 40          |