

Record of percentage change in Syllabus

Name of the Department : **MATHEMATICS**

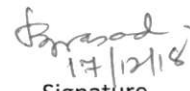
Name of the Program:

| Paper No | Name of Paper | Whether included in year 2013-14 (Yes/No) | Whether included in year 2017-18 (Yes/No) | Percentage revised in Content # | Year of introduction or revision* | Remark (pls. mark which paper is a value added or skill development paper) |
|--|----------------------------------|---|---|---------------------------------|-----------------------------------|--|
| 1 | Abstract Algebra | Yes | Yes | - | 2018 | Concepts & skills for problem solving in A-A |
| 2 | Real Analysis | Yes | Yes | - | 2018 | do in RA |
| 3 | Linear Algebra | Yes | Yes | 40% | 2018 | do in LA |
| 4 | Discrete Mathematics | Yes | Yes | 20% | 2018 | do D.M |
| 5 | General Advanced Mathematics | Yes | Yes | 90% | 2018 | do GAN |
| 6 | Complex Analysis | Yes | Yes | 40% | 2018 | do C-A |
| 7 | Diff. & Int. eqns. | Yes | Yes | 40% | 2018 | do D.I.E.R |
| 8 | Measure Theory | Yes | Yes | - | 2018 | do M.Th. |
| 9 | Topology | Yes | Yes | - | 2018 | do Top. |
| 10 | Number Theory | No | No | 100% | 2018 | do N.Th. |
| 11 | Functional Analysis | Yes | Yes | - | 2018 | do FA |
| 12 | Fluid Dynamics | Yes | Yes | - | 2018 | do F.D |
| 13 | Classical Mechanics (Rigid Body) | Yes | Yes | - | 2018 | do CM (R.D) |
| 14 | Optimization Theory | Yes | Yes | - | 2018 | do op.Th. |
| 15 | Diff. Geometry | No | Yes | 5% | 2018 | do Diff. Geom |
| 16 | Fuzzy sets & Their Application | Yes | Yes | - | 2018 | do F.S. & T.Abb |
| | Mathematical Methods | Yes | Yes | - | 2018 | do Math-Met |
| Spl. Papers | Operations Research | Yes | Yes | - | 2018 | do OR |
| | Th. of relativity | Yes | Yes | - | 2018 | do Th. of rel. |
| | Galois Theory | No | No | 100% | 2018 | do in Gal.Th. |
| | Advanced Topology | No | No | 100% | 2018 | do in Adv Top |
| Overall Change = Total Change in Percentage/Number of Papers offered in Year 2017-18 | | | | 100% | 2018 | do in B.Alg. |
| | Quach Algebra | No | No | 100% | 2018 | do in C.A |
| | Commutative Algebra | No | No | 100% | 2018 | do in Comm. Alg |
| | Programming in C | No | No | 100% | 2018 | do in Prog. in C |

Please Consult the attached performa for filling-up the data.

*Mention all the years in which revisions have been carried out even in case of course/paper.

If the departments are running more than one programs, please do the same for all of them in the format given above.


 Signature
 Name of the HoD
 Professor & Head
 Department of Mathematics
 Patna University, Patna-800005

Proforma for Filling-Up Data Related to the Revision in Courses/Paper

स्नातकोत्तर विभाग ----- के विगत पाँच वर्षों 2013-18 के पाठ्यक्रमों में परिवर्तन का विवरण।

Name of the Program:

| पेपर संख्या | पेपर का नाम तथा पेपर कोड सहित (Name of the Course/Paper with Code) | पेपर से हटाये गये विषय-वस्तु का विवरण (Details of the remove content) | पेपर में जोड़े गये विषय-वस्तु का विवरण (Details of the added content) |
|-------------|---|--|--|
| 1 | MAT CC 01 | | |
| 2 | MAT CC 02 | | |
| 3 | MAT CC 03 | | Pre-requisites of Line Algebra (Unit 1 + Unit 2) Combinatorics etc. |
| 4 | MAT CC 04 | | |
| 5 | MAT CC 05 | | Number Theory |
| 6 | MAT CC 06 | | |
| 7 | MAT CC 07 | | |
| 8 | MAT CC-08 | | |
| 9 | MAT CC-09 | | |
| 10 | MAT CC-10 | | New topic introduced Newly They |
| 11 | MAT CC-11 | | |
| 12 | MAT CC-12 | | |
| 13 | MAT CC-13 | | |
| 14 | MAT CC-14 | | |
| 15 | MAT CC-15 | | |
| 16 | MAT BC-01 | | } four entirely new elects added. |
| 17 | MAT BC-02 | | |
| 18 | | | |
| 19 | | | |

Note: In each paper course material have been assimilated at one place. Hence, some portions have been shifted to other papers & some brought from other papers.

Bhasad
17/12/18

Bhasad
17/12/18

Signature

Balgangadhar Prasad
Name of the HoD

Professor & Head
Department of Mathematics
Patna University, Patna-800005