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Date : / /20

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during Year-2022-23

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	kokare B D	Differential Equations-Paper-IV	Differentia I Equations	2023	978-93-92336-50-8	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
2	kokare B D	Geomategy - Paper-III	Geometry	2023	978-93-92336-51-5	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
3	Kokare B D	Algebra Paper-I	Algebra	Oct-22	ISBN 978-93-92336-10-2	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
4	kokare B D	Calculus-Paper-II	Calculus	Sep-22	ISBN-978-93-92336-16-4	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
5	Suryavanshi R S, Gaikwad S A	A Text book of Botany Paper-IV	Botany-IV	2023	ISBN 978-93-92336-55-3	Vidnyan mahavidyala ya Sangola	Phadake Prakashan

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Coordinator, IQAC

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7	Suryavanshi R S, Gaikwad S A	A Handbook of practical Botany	Handbook Botany sem I and II	2023	978-93-89343- 00-7	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
8	Suryavanshi R S, Gaikwad S A	A text Book Of Botany	Plant Physiology	2022	ISBN- 978-81- 952879-7-0	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
9	Suryavanshi R S, Gaikwad S A	A text Book Of Botany	Embryolo gy of Angiosper ms	2022	ISBN- 978-81- 952879-6-3	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
10	Suryavanshi R S, Gaikwad S A	A text Book Of Botany	Microbiolo gy & Phycology	2022	ISBN- 978-93- 92336-08-9	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
11	Suryavanshi R S, Gaikwad S A	A text Book Of Botany	Fungi & Archegoni ates	2022	ISBN 978-93- 92336-09-6	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
12	Suryavanshi R S, Gaikwad S A	A Handbook of Practical Botany	A Handbook of Practical Botany	2021	ISBN 978-93- 86766-21-2	Vidnyan mahavidyala ya Sangola	Phadake Prakashan

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14	kokare B D	Differential Equations- Paper-VII	Differentia l Equations	2021	ISBN978-93-89343-51-9	Vidnyan mahavidyala ya Sangola	Phadake Prakashan
15	Kokare B D	Differential Calculus- Paper-V	Differentia l Calculus	2021	ISBN-978-93-89343-33-5	Vidnyan mahavidyala ya Sangola	Phadake Prakashan



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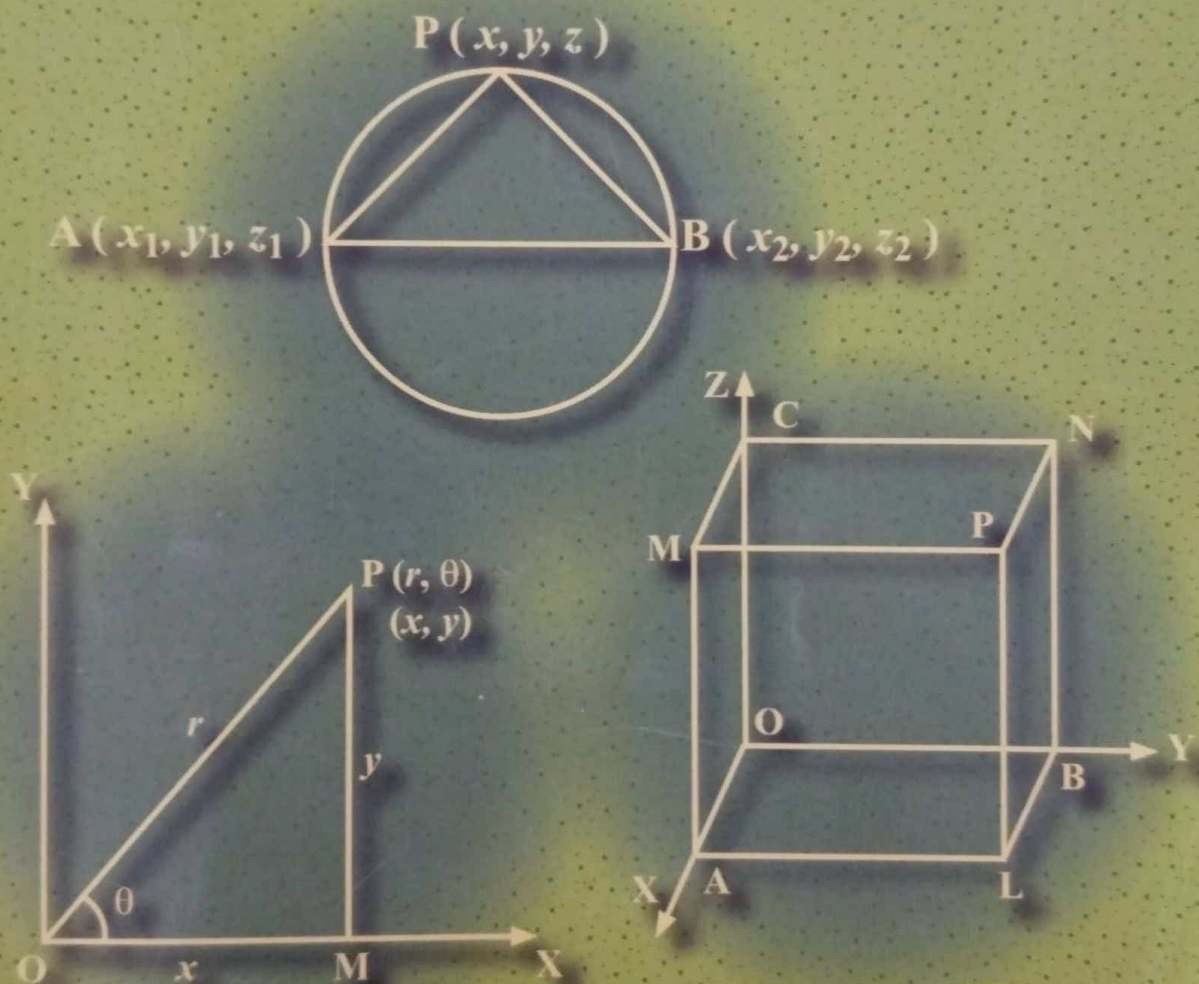
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## PAPER III GEOMETRY



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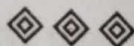
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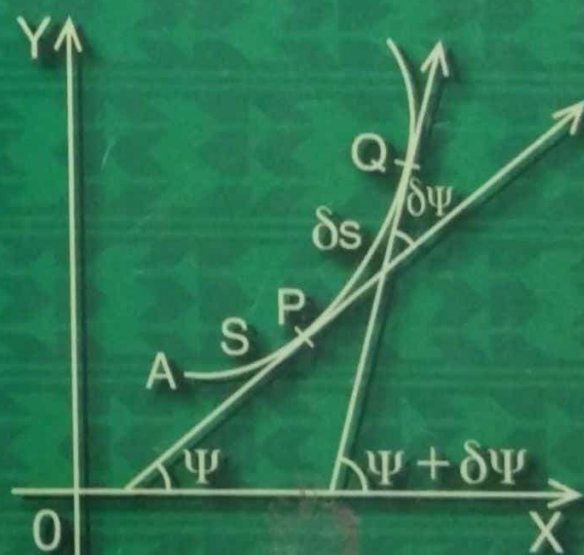
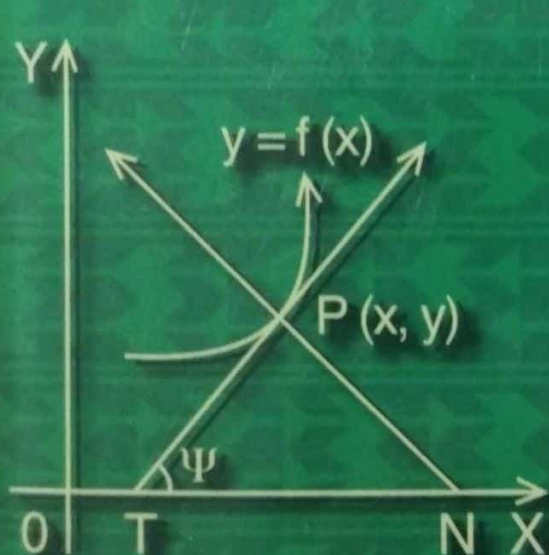
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# MATHEMATICS

## PAPER V

### Differential Calculus

$$\frac{\partial(u,v)}{\partial(x,y)} = \begin{vmatrix} \frac{\partial u}{\partial x} & \frac{\partial u}{\partial y} \\ \frac{\partial v}{\partial x} & \frac{\partial v}{\partial y} \end{vmatrix}$$



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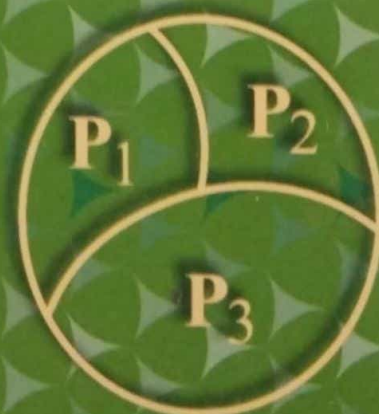
# MATHEMATICS

## PAPER VIII

### Abstract Algebra

$$e * e' = e$$

$$e * e' = e'$$



$$\emptyset(aob) = \emptyset(a) * \emptyset(b)$$

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# **MATHEMATICS**

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# MATHEMATICS

## PAPER VII

### Differential Equations

$$p^n + P_1 p^{n-1} + P_2 p^{n-2} + \dots + P_{n-1}p + P_n = 0$$

$$\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$$

$$x^n \frac{d^n y}{dx^n} + P_1 x^{n-1} \frac{d^{n-1} y}{dx^{n-1}} + P_2 x^{n-2} \frac{d^{n-2} y}{dx^{n-2}} + \dots$$

$$+ P_{n-1} x \frac{dy}{dx} + P_n y = X$$

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# MATHEMATICS

## PAPER IV

### Differential Equations

$$f_1(x) dx + f_2(y) dy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$Mdx + Ndy = 0$$

$$\frac{d^n y}{dx^n} + P_1 \frac{d^{n-1} y}{dx^{n-1}} + P_2 \frac{d^{n-2} y}{dx^{n-2}} + \dots P_n y = X$$

$$\frac{d^n y}{dx^n} + P_1 \frac{d^{n-1} y}{dx^{n-1}} + P_2 \frac{d^{n-2} y}{dx^{n-2}} + \dots P_n y = X$$

$$Mdx + Ndy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$Mdx + Ndy = 0$$

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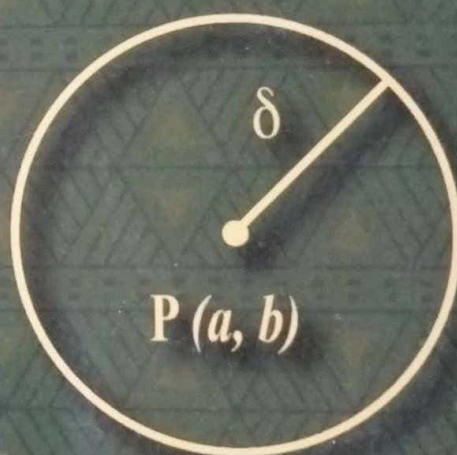
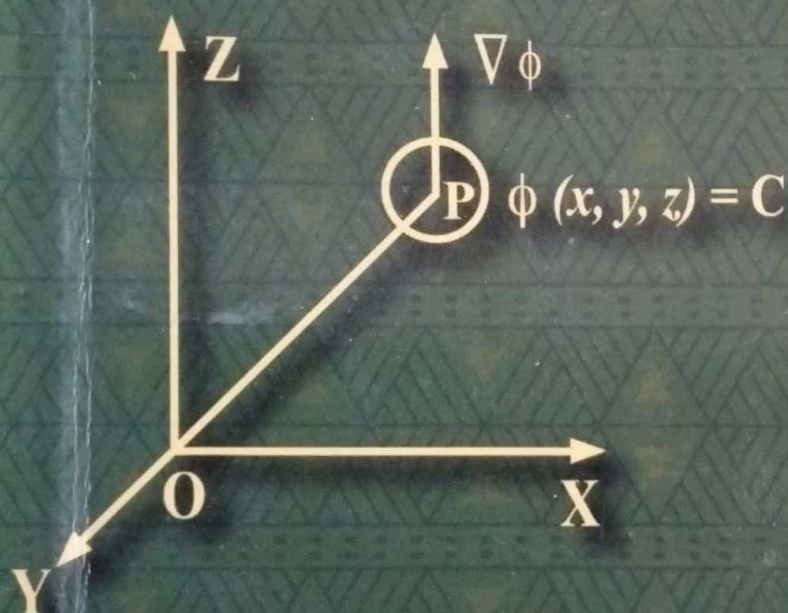
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# MATHEMATICS

**Paper II ♦ Calculus**



$$\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \lim_{x \rightarrow a} \frac{f'(x)}{g'(x)}$$

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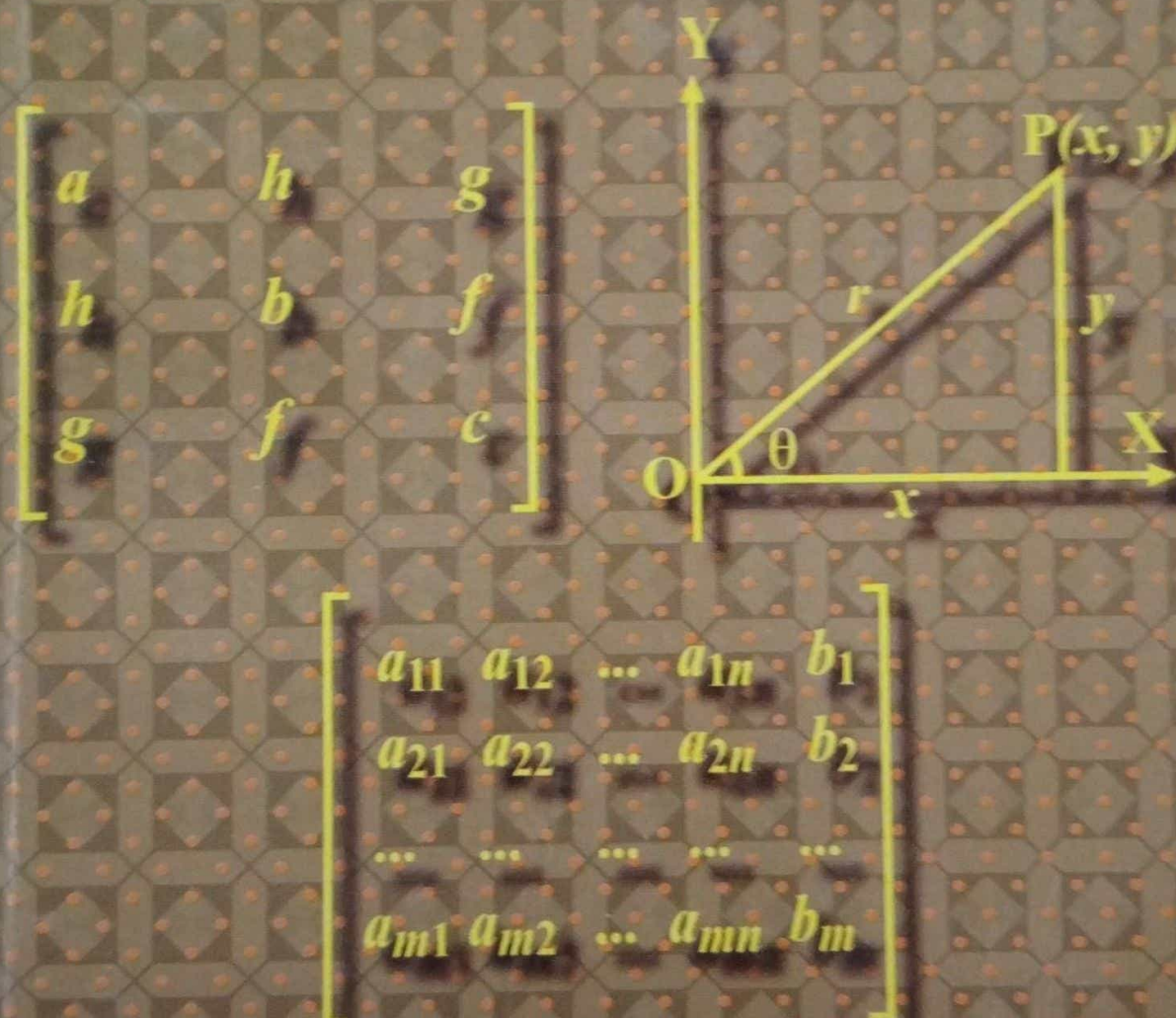


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# MATHEMATICS

**Paper I ♦ Algebra**



**Jadhav ♦ Mahajan**  
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## Paper I : Algebra

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# MATHEMATICS

## PAPER IV

### Differential Equations

$$f_1(x) dx + f_2(y) dy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$\frac{d^n y}{dx^n} + P_1 \frac{d^{n-1} y}{dx^{n-1}} + P_2 \frac{d^{n-2} y}{dx^{n-2}} + \dots P_n y = X$$

$$\frac{d^n y}{dx^n} + P_1 \frac{d^{n-1} y}{dx^{n-1}} + P_2 \frac{d^{n-2} y}{dx^{n-2}} + \dots P_n y = X$$

$$M dx + N dy = 0$$

$$f_1(x) dx + f_2(y) dy = 0$$

$$M dx + N dy = 0$$

**Jadhav ♦ Mahajan**

**Gade ♦ Kokare**

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