

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years (10)										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	NARESH KUMAR	IMPACT OF RURAL DEVELOPMENT PROGRAMS ON RURAL PEOPLE			NATIONAL	NATIONAL	2015	978-81-8484-459-7	Pt. C.L.S Govt. College	REGAL PUBLICATION
2	NARESH KUMAR	MICRO ECONOMICS			NATIONAL	NATIONAL	2015	978-81-7608-899-1	Pt. C.L.S Govt. College	DINESH PUBLICATION
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## Impact of Rural Development Programmes on Living Standard of Rural People

NARESH KUMAR, RAJPAL AND BALJI SINGH

#### INTRODUCTION

India is the second largest populated country in the world after China. In India 60 per cent population is young and the average age of the population is 29 years. It is the strength of our economy if we are able to provide them proper training and employment opportunities. If we are not able to utilize this human capital, it can create problem in the economy. In India 68 per cent population is living in rural areas. Mahatma Gandhi used to say that if we in India dwell in our villages, until villages develop, we as Indians would have no real meaning. Therefore, during the last few years, more attention is being given to rural development.

In India, main problems are poverty and unemployment. To eradicate poverty, it is essential to create employment opportunities in the rural areas. The rural development programs can prove to be a milestone in this direction. Poverty can be defined as social phenomenon, in which a section of society is unable to fulfill even its basic necessities of life. The planning commission has defined the poverty line on the basis of recommended nutritional requirements of 2400 kcal per person per day or rural area and 2100 calories per day.

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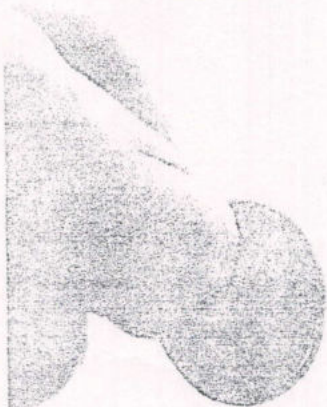
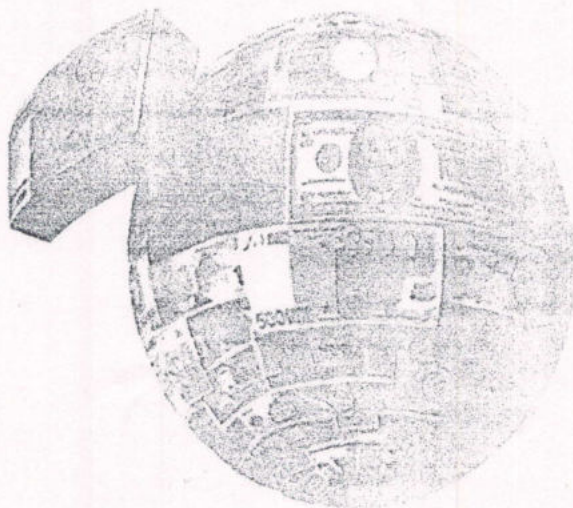
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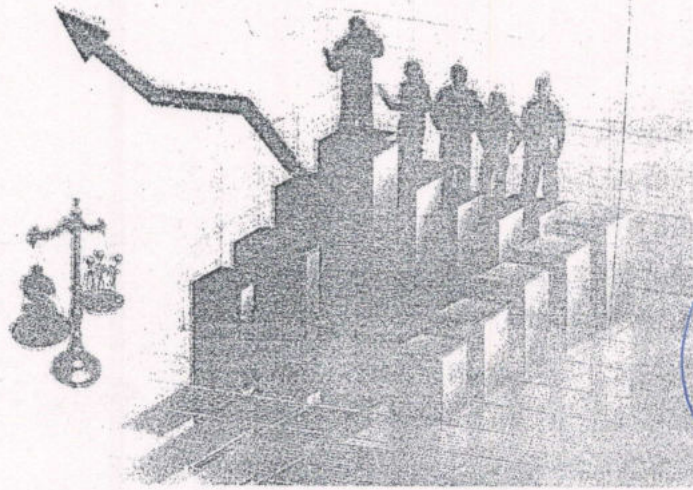
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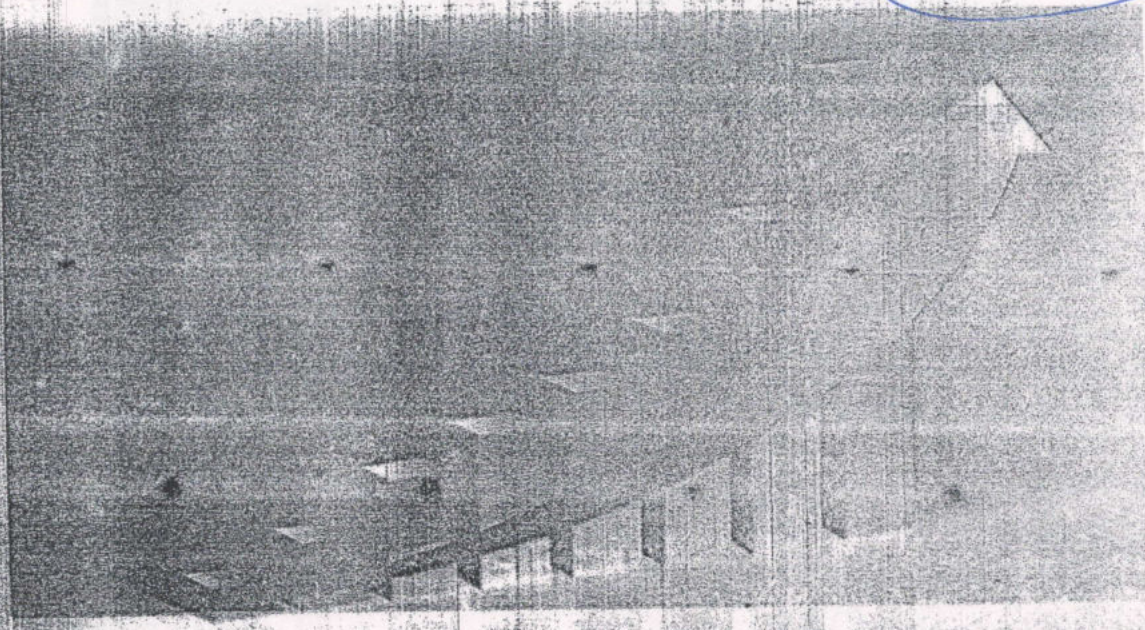
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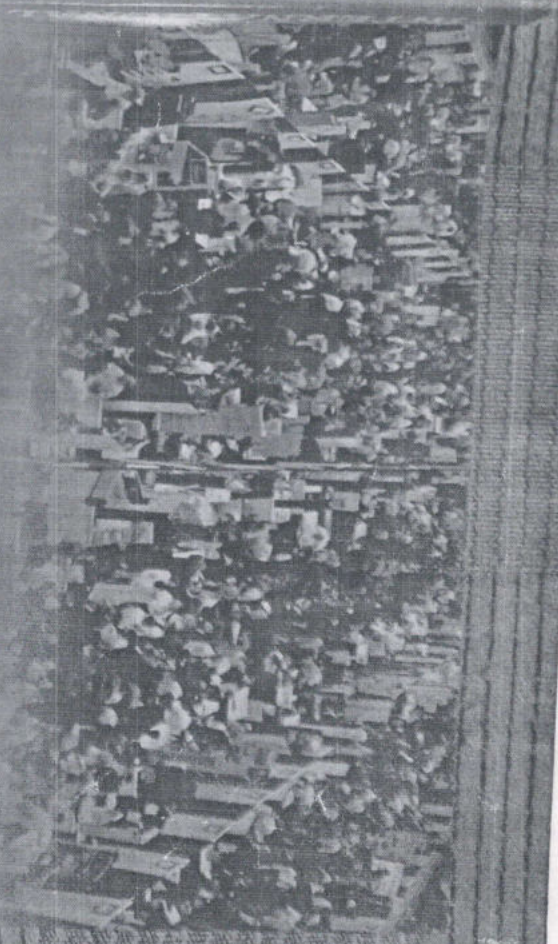
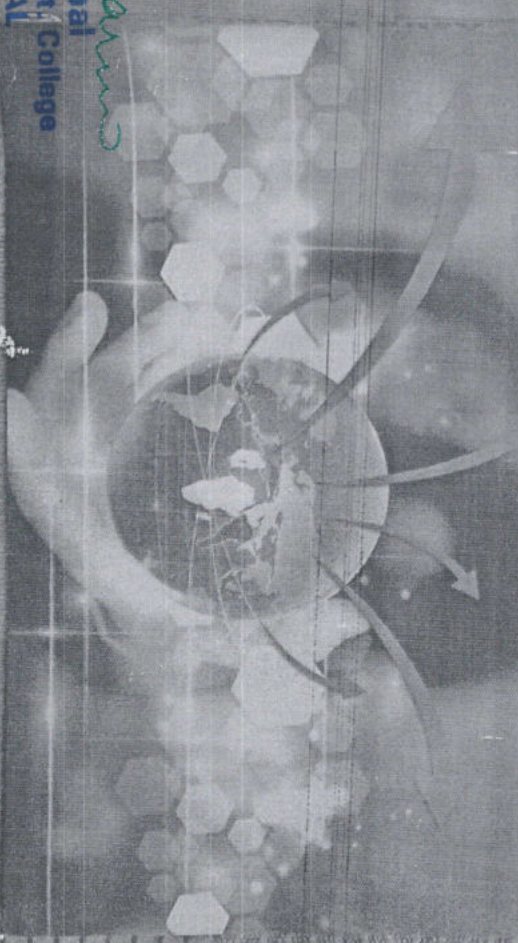
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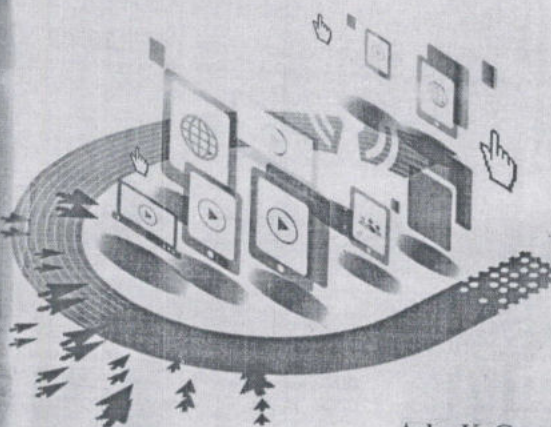
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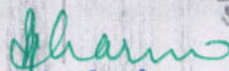
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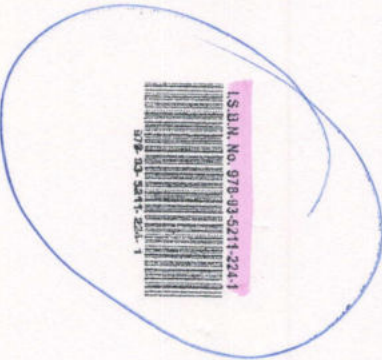
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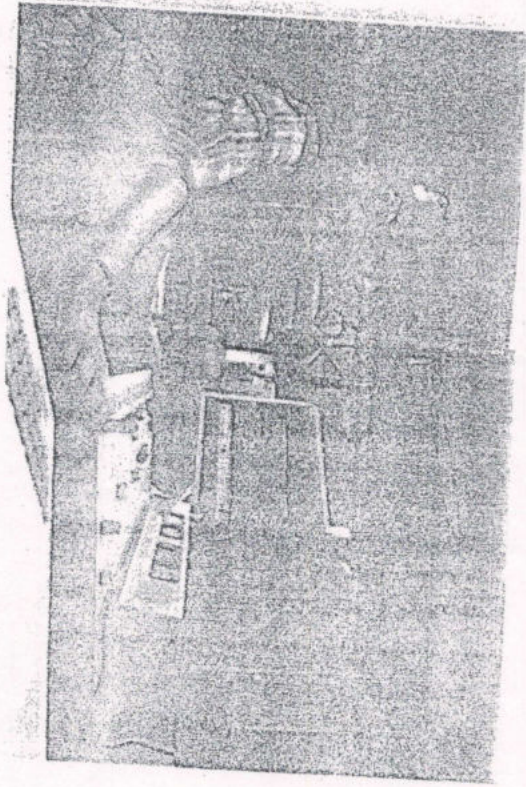
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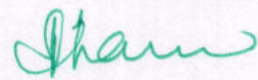
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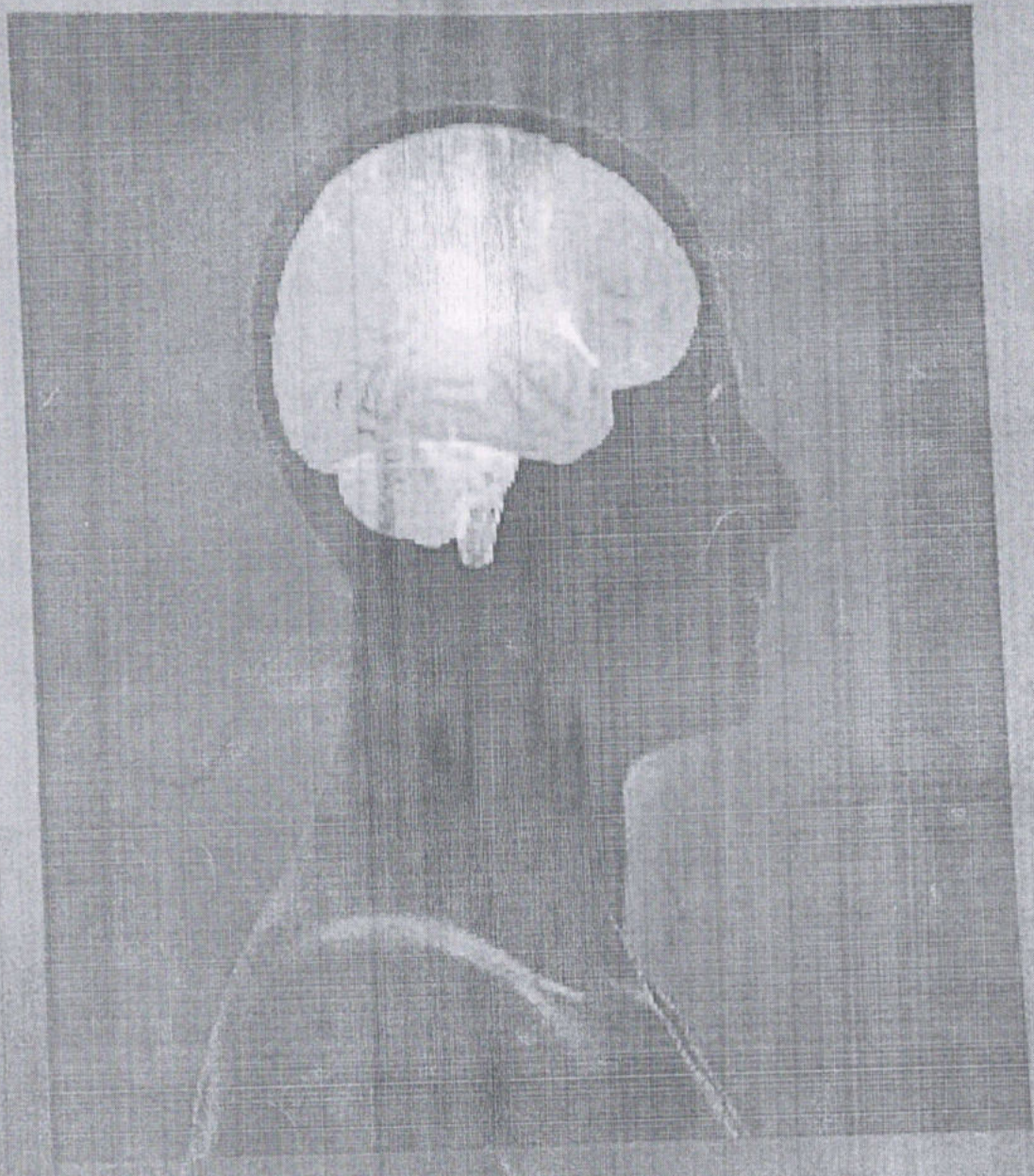
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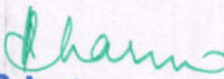
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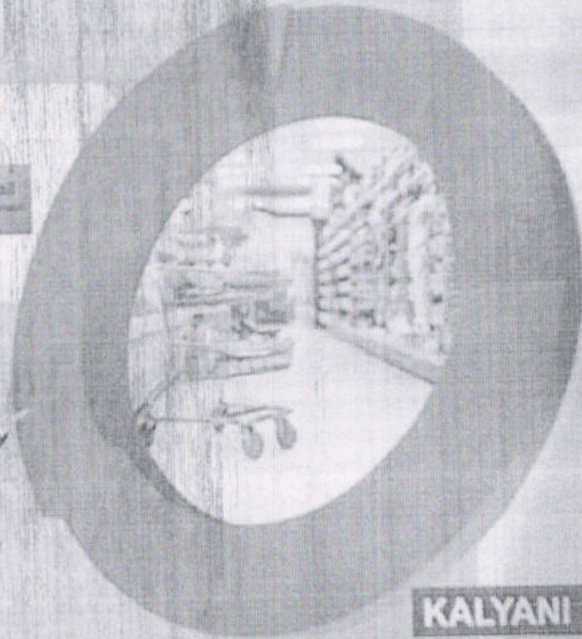
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**Mrs. Deepika Arora Madaan** is M.Com., M.Phil. from Kurukshetra University, Kurukshetra. With the strong determination and dedication towards studies, she secured first rank in graduation in university and has been awarded Gold Medal by the University. She also bagged second rank in post graduation in KJK. She started her career as a lecturer in commerce in K.V.A. D.A.V. College for Women, Karnal in the year 2006. Presently she is working as an Assistant Professor in Commerce in S.D. (PC) College, Palwal. She has been teaching at the graduation and post graduation level from the last 7 years. She has presented papers in various national conferences and published research papers under her name.

The Book, Retail Business Management involves her complete, active and effective participation. The course content has been presented in a simple and understandable manner so as to make it easy for the students to learn and retain the matter. As per her, it is the support of her family members, her husband Mr. Rakesh Madaan and her son Divy Madaan which has led her to devote her complete involvement in this book.

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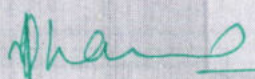
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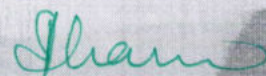
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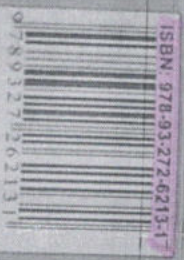
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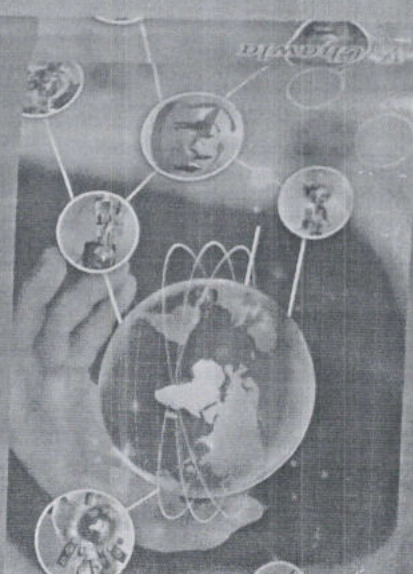
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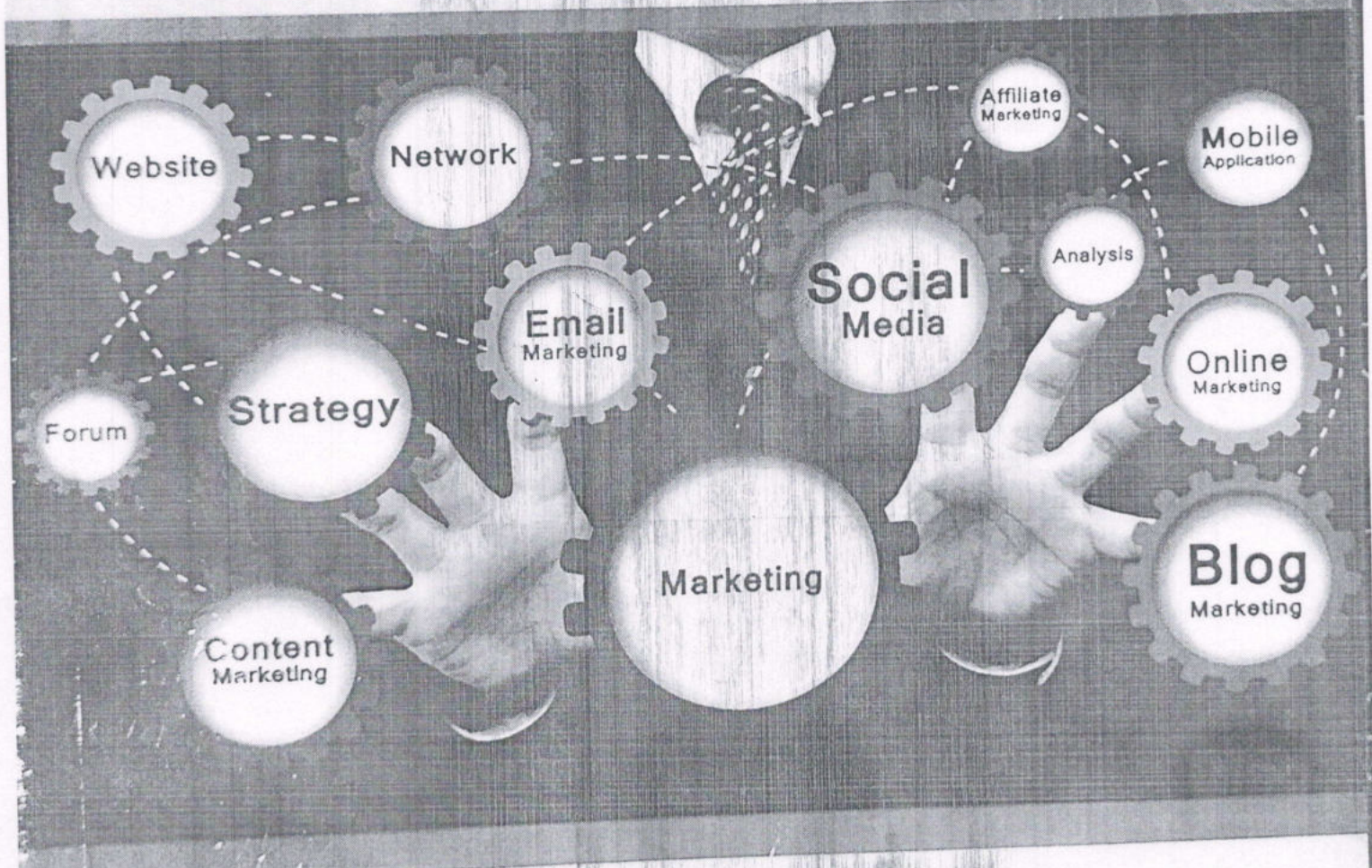
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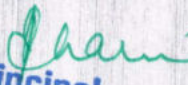
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[According to Approved Syllabus of U.G.C. for the students of Kurukshetra University for IInd Semester of B.Com. (1st year)]

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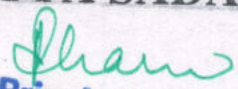
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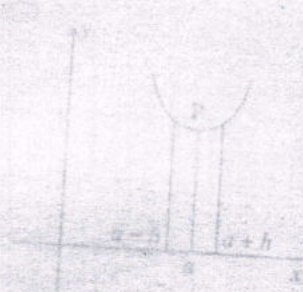
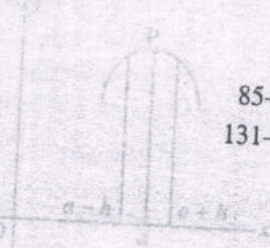
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B.A./B. Sc. 1st Year Second Semester

ORDINARY DIFFERENTIAL EQUATIONS (BM -122)

Time All

Time Allowed : 3 hours]

Maximum Marks B. Sc. : 40  
B.A. : 26

Note. Th

**Note.** The examiner is requested to set *nine questions* in all, selecting two questions from each section and *one compulsory question* consisting of five parts distributed over all the four sections. Candidates are required to attempt five questions, selecting at least one question from each section and the compulsory question.

## Section-I

Geometrical meaning of a differential equation. Exact differential equations, integrating factors. First order higher degree equations solvable for  $x$ ,  $y$ ,  $p$ . Lagrange's equations, Clairaut's equations. Equations reducible to Clairaut's form. Singular solutions.

Ge  
factors.  
equation

## Section - II

Orthogonal trajectories in Cartesian coordinates and polar coordinates. Self orthogonal family of curves. Linear differential equations with constant coefficients. Homogeneous linear ordinary differential equations. Equations reducible to homogeneous.

Or  
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## Section-III

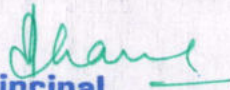
Linear differential equations of second order. Reduction to normal form. Transformation of the equation by changing the dependent variable / independent variable; Solution by operator of non-homogeneous linear differential equations. Reduction of order of a differential equation. Method of variations of parameters. Method of undetermined coefficients.

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Method

## Section -IV


Ordinary simultaneous differential equations. Solution of simultaneous differential equations involving operators  $x (d / dx)$  or  $t (d / dt)$  etc. Simultaneous equation of the form  $dx/P = dy/Q = dz/R$ . Total differential equations. Condition for  $Pdx + Qdy + Rdz = 0$  to be exact. General method of solving  $Pdx + Qdy + Rdz = 0$  by taking one variable constant. Method of auxiliary equations.

Or  
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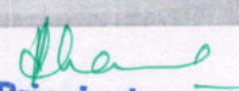
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ਹੱਥਲੀ ਪੁਸਤਕ 'ਸਾਹਿਤਕ ਦ੍ਰਿਸ਼ਟੀਕੋਣ' ਦੇ ਖਰੜੇ ਨੂੰ ਵਾਚਨ ਤੋਂ ਬਾਅਦ ਮੈਂਨੂੰ ਇਸ ਗੱਲ 'ਤੇ ਵੱਖਰ ਮਹਿਸੂਸ ਹੋ ਰਿਹਾ ਹੈ ਕਿ ਮੈਂ ਦੇਵਿੰਦਰ ਬੀਬੀਪੁਰੀਆ ਨੂੰ ਉਦੋਂ ਤੋਂ ਜਾਣਦਾ ਹਾਂ ਜਦੋਂ ਉਹ ਯੂਨੀਵਰਸਿਟੀ ਵਿਚ ਵਿਦਿਆਰਥੀ ਸੀ। ਮੇਰੀ ਦੇਵਿੰਦਰ ਬੀਬੀਪੁਰੀਆ ਨਾਲ ਪਹਿਲੀ ਮੁਲਾਕਾਤ ਇਕ ਕਵੀ ਦਰਬਾਰ 'ਚ ਹੋਈ ਸੀ, ਜਦੋਂ ਉਹ ਆਪਣੀ ਕਵਿਤਾ ਦੀ ਮਸਤੀ ਵਿਚ ਰੋਗਿਆ ਹੋਇਆ ਸੀ। 'ਚੀਵਾ ਬਲੇ ਸਾਰੀ ਰਾਤ' ਦੀ ਉਹ ਮਹਿਫ਼ਿਲ ਮੇਰੇ ਹੋਇਆਂ ਵਿਚ ਔਜ ਵੀ ਤਰੇ-ਤਜਾਂ ਹੈ। ਉਸ ਕਾਵਿ ਗੋਸ਼ਟੀ ਵਿਚ ਦੇਵਿੰਦਰ ਦੇ ਕਾਵਿਕ ਖੇਤਰ ਦੀ ਫਹਿਬਰ ਦੇਖ ਕੇ ਮੈਂਨੂੰ ਉਸਦੀ ਕਵਿਤਾ ਉਸਦੀ ਉਮਰ ਤੋਂ ਕਿਤੇ ਵੱਡੀ ਜਾਪੀ ਸੀ। ਉਸ ਦੀਆਂ ਕਵਿਤਾਵਾਂ ਵਿਚ ਰਵਾਨਗੀ, ਗੰਭੀਰਤਾ ਅਤੇ ਕਾਵਿਕ ਬਣਤਰ ਬਹੁਤ ਉੱਚ ਦਰਜੇ ਦੀ ਸੀ। ਮੈਂਨੂੰ ਜਾਪਿਆ ਇਹ ਨੌਜਵਾਨ ਇਕ ਨਾ ਇਕ ਦਿਨ ਹਰਿਆਣੇ ਦੀ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਧਰੁ ਤਾਰਾ ਬਣੇਗਾ।

ਮੈਂਨੂੰ ਉਦੋਂ ਇਸ ਗੱਲ ਦਾ ਬਿਲਕੁਲ ਵੀ ਅਹਿਸਾਸ ਨਹੀਂ ਸੀ ਕਿ ਉਸ ਨਾਲ ਮੇਰਾ ਆਸਾਨਾ ਇਨਾ ਗੁਝਾ ਬਣੇਗਾ। ਮੈਂਨੂੰ ਔਜ ਵੀ ਉਹ ਦਿਨ ਹੁਬਹੂ ਯਾਦ ਹੈ ਜਦੋਂ ਦੇਵਿੰਦਰ ਨਾਲ ਮਿਲੇ ਨਵੇਂ ਆਸਾਨੇ ਦੀ ਪਹਿਲੀ ਕੜੀ ਜੁੜੀ ਸੀ। ਮੇਰੀ ਖੁਸ਼ੀ ਦੀ ਹੱਦ ਉਸ ਵਕਤ ਨਾ ਰਹੀ ਜਦੋਂ ਕੁਝ ਕਮਾਠਰ ਯੂਨੀਵਰਸਿਟੀ ਦੇ ਪੰਜਾਬੀ ਵਿਭਾਗ ਦੇ ਪ੍ਰੋਫੈਸਰ ਹਰਸਿਮਰਨ ਸਿੰਘ ਚੌਹਾਣ ਨੇ ਮੈਂਨੂੰ ਫ਼ੋਨ ਕਰਕੇ ਆਖਿਆ ਕਿ ਕੀ ਤੁਸੀਂ ਦੇਵਿੰਦਰ ਬੀਬੀਪੁਰੀਆ ਦੇ ਪੀ. ਐੱਚ. ਡੀ. ਦੀ ਆਗਵਾਨ ਬਣੋਗੇ? ਮੈਂ ਬਿਨਾ ਸੋਚਿਆਂ ਹੀ ਪ੍ਰੋਫੈਸਰ ਦੇ ਪਾਵਾ ਨੂੰ ਹਾਂ ਕਰ ਦਿਤੀ ਕਿਉਂਕਿ ਉਹ ਆਗਵਾਨ ਬਣੇਗੇ? ਮੈਂ ਬਿਨਾ ਸੋਚਿਆਂ ਹੀ ਪੁੱਛਿਆ ਹੀ ਸੀ।

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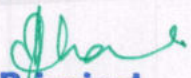
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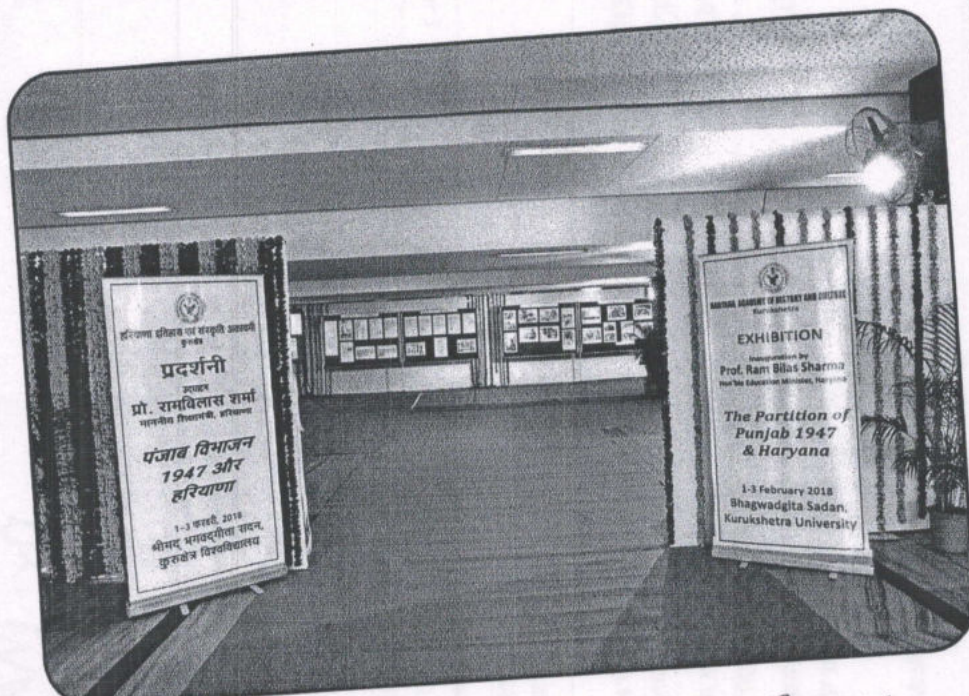
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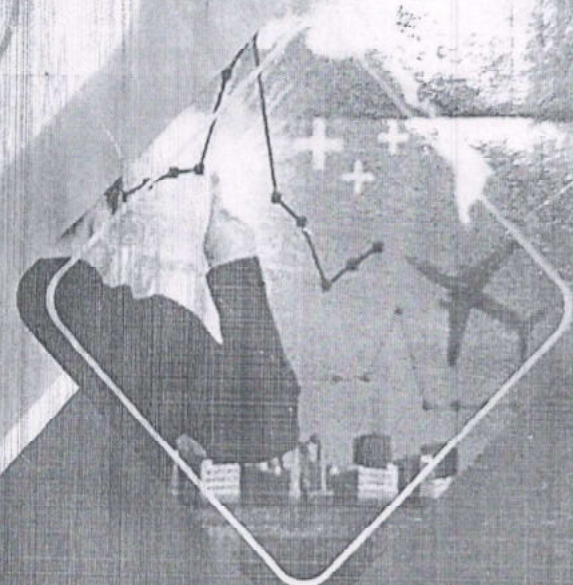
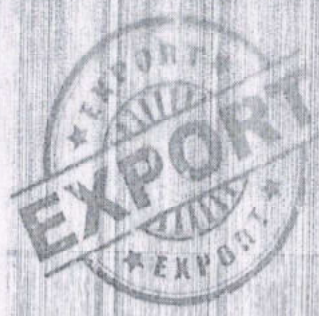
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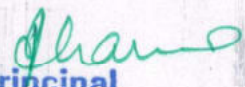
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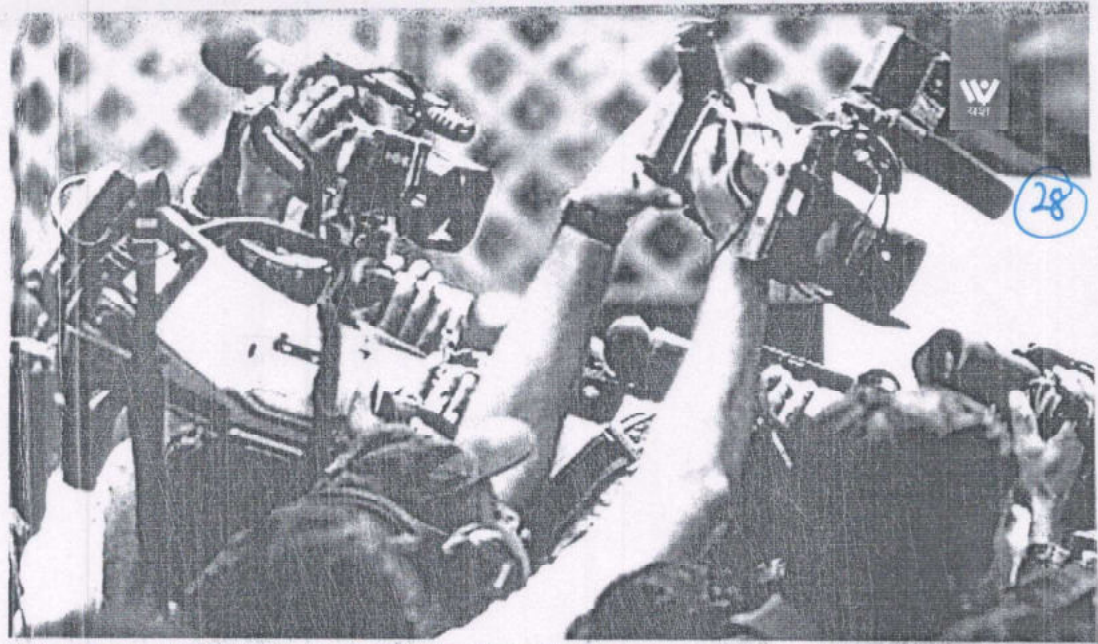
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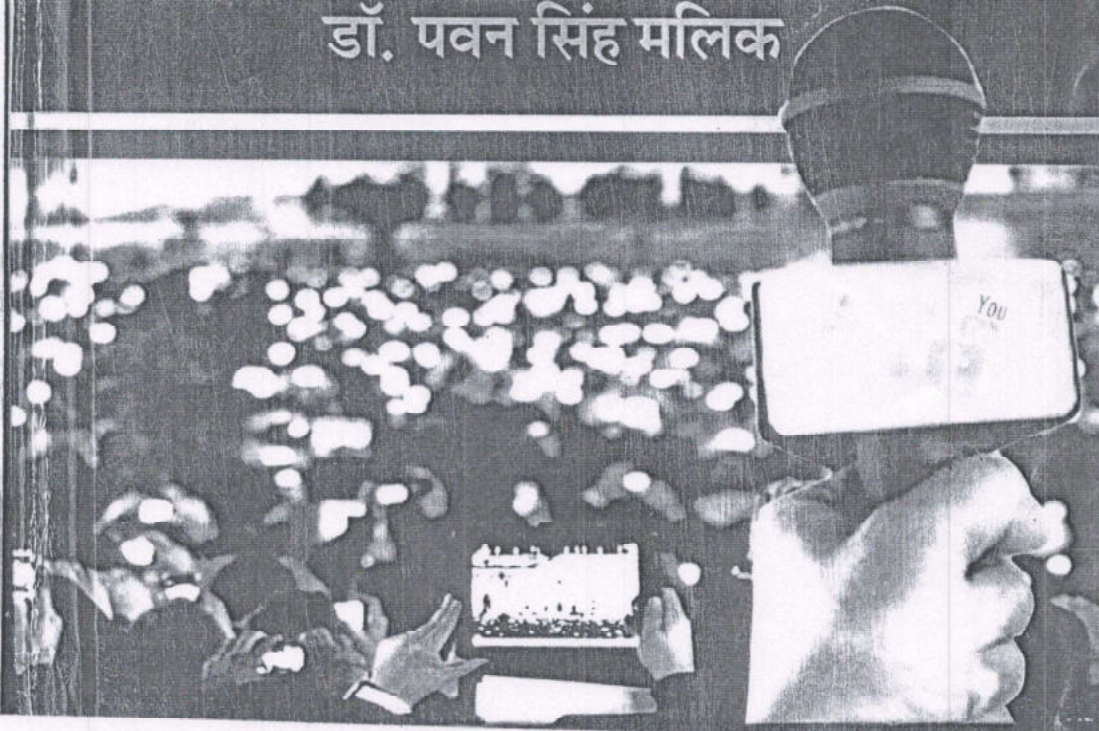


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