

PART I						
EXPENDITURE						
SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
Expenditure against grant received for schemes and other purposes						
SCHEMES						
(A)	UNIVERSITY GRANTS COMMISSION					
1	Visit of Professors under cultural exchange programme	0	0	300000	300000	300000
2	JRF (NET) (at any one given time basis)	78842045	87331809	250000000	150000000	150000000
3	Research Fellowships (Direct)	225520	803980	1000000	1000000	1000000
4	Emeritus Fellowships	860641	0	2000000	500000	500000
5	Research Projects (See Detail at Page - 265)	9013130	12146113	6733709	17754488	3959660
6	Teacher Fellowships	0	0	100000	100000	100000
7	Research Scientist	1830656	2052982	3500000	3500000	3500000
8	Grant for National Education Test (NET)	3319293	5049552	5500000	900000	0
9	*Centre for Women's Study XIIth plan	20993	323940	6000000	2000000	2000000
10	**Academic Staff College	8081856	5303625	10000000	10000000	10000000
11	Seminars	-55076	1830400	1000000	2000000	2000000
12	Matching grant for Resources Mobilized by the University	0	0	5000000	0	0
13	Centre with Potential for excellence in Bio-Medical Sciences (UIPS)2					

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SCHEMES ETC

	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		₹	₹	₹	₹	
		4	5	Original	Revised	6
		Rs	Rs	Rs	Rs	Rs
	(b) Entry into service (12.00 lacs)					
	(c) Coaching for NET Exam. (12.00 lacs)					
25	Raman Fellowship for Post Doctoral Studies	1275400	3341160	3500000	3500000	3500000
26	Misc. expenditure					

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
7	GOI project "Sarva Shiksha Abhiyan" under Dr. (Mrs.) Malvinder Ahuja	0	0	0	0	0
8	Conducting a study on the functioning of ANM training School in the States of Punjab & Haryana under the P.R.C.(for one year)	0	0	0	0	0
9	GOI, Ministry of Food Processing Industries sponsored R&D project entitled "Development of Process for Isolation of Pigments,Flavonoids & Essential oils by Super Critical Extraction using Selected Foods/Vetetables/Spieces" under Prof.U.S. Shivhare, Chem.Engg. & Technology (Rs.47 lacs for 2 years)	0	0	0	0	0
10	GOI Minsitry of Human Resource Development, Department of Higher Education, (TEQIP -II) under Department of UIET, P.U. Chandigarh	15381704	0	0	0	0
11	GOI, CCRA&S project entitled "Development of Novel Therapeutic Strategies for Diabetic Neuropathy and Nephropathy" under Dr.(Mrs.) Kanwaljit Chopra, UIPS (Rs.7,60,100/- for 2 years w.e.f.11.4.08)	12093	0	0	0	0
12	DRDO, LSRB project entitled "Design Parameters and Theoretical Models for the Absorptive Removal of Toxic Chemical Compounds for Water Using Fixed Bed Activated Carbon Columns" under Dr.Meenakshi Goyal, Deptt.of Chem.Engg.& Tech. (Rs.12,00 lacs for 3 years)	10671	0	0	0	0
13	GOI, project entitled "Ministry of Tourism" "Capital Grant in Aid to P.U. for introducing Hospitality Courses."	2128795	2526993	2000000	0	0
14	TBRL Project under Alok Shrivastava "Physico-Chemcial Studies Polymers" Deptt. of Chemistry.	0	0	0	0	0
15	GOI, Project "Improving Heat Tolerance in Chickpea for enhancing" under Prof. Harsh Nayyar, Deptt. of Botany	181400	36000	0	0	0
16	GOI, Project "Physico-Chemical Studies and Characterisation of Fluro-Polymeers" under Dr. Alok Srivastva, Deptt. of Chemistry	39487	0	0	0	0
17	GOI, Project "Discovery of Novel Protein Tyrosine Phosphatase" under Dr. Manoj Kumar, Deptt of UIPS	604272	149471	150000	0	0
18	GOI, Installment for 54 artifical recharge structures in the premises of Panjab University under Central Sector Scheme " Ground Water Management & Regulation" (Rs.7,76,03,000)	10523530	17845372	13130099	0	0

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		₹	₹	₹	₹	₹
		4	5	Original	Revised	6
		Rs	Rs	Rs	Rs	Rs
19	GOI, Project "Impact of Cell-Phone technology on Biotic Component of Urban Ecosystem" under Prof. R.K. Kohli, Deptt of Botany	109440	0	0	0	0
20	GOI, Project " Micromycete Diversity of North-Western Himalayas- Monographic study and Screening for Lignocellulolytic Enzymes" under Dr. I.B. Prasher, Deptt. of Botany	40000	43998	0	0	0
21	GOI Project under "Hymenopler, Apidaa(Apini, Megachilni, Osmini) Dr. Neelima Kumar, Department of Zoology	185288	13602	0	673000	673000
22	GOI, Ministry of Tribal Affairs research project entitled "Nutrition and health of the Cheros of Jharkhand: A bio-social investigation"under Dr. Rajan Gaur, Department of Anthropology	27657	0	25000	0	0
23	GOI MOFPI research project "Development of Processing Techniques for Preserving Juvenile shoots ofof India' under Prof. C. Nirmala, Department					

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SCHEMES ETC

	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6 7	
		Rs	Rs	Original	Revised	Rs
30	Punjab Mid-day Meal Society Punjab Govt. under Dr. Kanwalpreet Kaur	349891	0	0	0	0
31	GOI Project "SSA Monitoring of Sarv Shiksha Abhiyan and Mid-day Meal Programme by the Monitoring Institutes under Dr Jatinder Grover, Department of USOL	930050	0	200000	300000	200000
32	ICARDA Project entitled " Evaluation of lentil germplasm for heat tolerance"					

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5	6	6		7
		Original	Revised	Original	Revised	6
		Rs	Rs	Rs	Rs	Rs
	Department of Atomic Energy					
53	D. A. E. (Seminar)	0	0	4000000	4000000	5000000
54	DAE Research Project entitled 'Fusion-Fission properties of heavy nuclei' under Dr.B.R.Behera, Department of Physics, P.U.	0	0	0	0	0
55	UGC-DAE Collaborative Research Scheme entitled 'Study of A4senk and selenium toxicity using neutron activation analysis under Dr.Alok Srivastava, Department of Chemistry, P.U.	188585	21436	0	35000	0
56	NBHM (Symposium / Honorarium/ Seminars)	3525464	1847803	1000000	2000000	3000000
57	NBHM Library Grant	0	0	0	2000000	3000000
58	DAE Research project entitled "The Resistive Plan					

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Heads of Expenditure

Estimates for

	6	4	Original	Revised	6	7
	Rs	Rs	Rs	Rs	Rs	Rs

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5	6	5	6	7
		Original	Revised	Original	Revised	6
		Rs	Rs	Rs	Rs	Rs

(C STATE GOVTS

PUNJAB GOVERNMENT

1	Development grant for Regional Centre Kauni (PIDB)	22000000	0	0	0	0
2	Punjab Govt Project "Village Level Planning for Lambi Constituency" Department of Economics	0	0	0	0	0
3	Govt of Punjab Grant of Rs.5,00,000/- for the purpose of furnishing the					

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SCHEMES ETC

	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for	
		5	6	5	6	7	
		Original	Revised	Original	Revised	6	
		Rs	Rs	Rs	Rs	Rs	
3	DST (UT) Comparative evaluation of the anatomical topography of accessory canals in primary molars under Dr. Urvashi Sharma, Deptt. Of Dental Science & Hospital		29749	0	0	0	0
4	DST (UT) Evaluation of the prevalence of dentin hypersensitivity in adult population of Chandigarh area visiting a dental hospital under Dr. Shaveta Sood, Deptt. Of Dental Science & Hospital		0	0	0	0	0
5	DST (UT) Research Project "Performance enhancement of solar photovoltaic system using multi mirror arrangementpanel in Chandigarh" under Dr. Manoj Kumar, Department of UIET		194799	108119	0	0	0
6	DST UT R/P" Assiessing the effect of green nanoparticles on cancer cells" under Prof. Archana Bhatnagarm, Department of Bio-Chemistry		97103	2897	0	0	0
7	DST UT Chd R/P "To Delelop aMicrobiological Technology for the reduction.....lake chandigar						

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SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		4	5	5	6	7
		Rs	Rs	Original	Revised	Rs
25	DST UT Research Project entitled “Prevalence of Hypertension and Obesity among professional College students of Chandigarh” under Dr. Sukhvinder Singh, Department of General Medicine, HS Judge Institute of Dental Sciences, Sector- 25, Chandigarh	0	34605	0	15395	0
26	DST UT Research project entitled “ Prevalence and antimicrobial susceptibility of Enterococci isolates in periodontitis patents from Chandigarh” under Dr. Sonia Bhonchal , Department of Microbiology, Panjab University, Chandigarh	0	18814	0	11186	0
27	DST UT Research project entitled “ Clinical and Radiographic comparison of primary molars after, Tricalcium base silicate cement, MTA (Mineral Trioxide Aggregate) and ferric sulphate (FS) pulpotomy: A randomized clinical trial” under Dr. Sidhi Passi , Department of Dental , Panjab University, Chandigarh	0	20820	0	9180	0
28	DST UT Research project entitled “ Exploring the association between Non Alcoholic Fatty Liver Disease Population of Chandigarh City” under Dr. Vishakha Grover, Department of Dental, Panjab University, Chandigarh	0	0	0	100000	0
29	DST UT Research project entitled “ Identification and quantification of					

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Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
	₹	₹	₹	₹	₹
	Rs	Rs	Original	Revised	6 7
	Rs	Rs	Rs	Rs	Rs
(iii) Science & Technology Block I to IV (19.40 X 4)	0	0	0	0	0
(iv) Social Sciences	0	0	0	0	0
(xvi) Multipurpose Auditorium (1000.00 lac)	17331113	28276653	0	5794375	0
Total					

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Heads of Expenditure

			Estimates for the current year		Estimates for	
	6	4	5	6	6	7
	Rs	Rs	Original Rs	Revised Rs	Rs	Rs

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EXPENDITURE						
SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
27	CSIR Research Project entitled " Study of Isospin effects in Heavy ion collision of intermediate energetic" under Dr. Rajeev K Puri, Department of Physics	75301	29540	0	99765	0
28	CSIR Research Project entitled " Amino acid conjugated gold nanoparticles : Synthesis, Characterization and applications under Dr. Aman Kaura, Deptt. Of SSG Panjab University,Hoshiarpur	891795	286060	320400	470912	0
29	CSIR Research Project entitled "Development and evaluation of 99m TC labeled finasteride and its related and analogues for early detection of tumors/Cancer in experimental model of prostrate carcinogenesis' under Dr. Vijayta D Chadha, Department of Bio- Physics.	324866	119450	0	148175	0
30	CSIR Research Project entitled " A case control study for evaluation of gene polymorphism as a possible risk factor of tuberculosis, under Dr. Jagtar Singh, Department of Bio-Technology	353502	283038	0	147485	0
31	CSIR Research Project entitled "Study on differential expression of Hormone Sensitive Lipase Genes of Hycobacterium Tuberculosis during different growth periods & Stress conditions under Dr. Jagdeep Kaur, Department of Bio-Technology, Panjab University, Chandigarh	0	1264168	530400	613856	0
32	CSIR Research Project entitled "Nucleophilic addition of Amino Carbanions to In-Situ Generated Benzynes Development of a One pot Arylation procedure under Metal Free conditions for synthesis of Isoquinoline Alkaloids & related compounds" under Dr. Kamal Nain Singh, Department of Chemistry, Panjab University, Chandigarh	356370	446313	392000	252458	0
33	CSIR Research Project entitled "Development of New Molecularly Imprinted Polymers for Monitoring various xenoestrogens" under Dr. Varinder Kaur, Department of Chemistry, Panjab University, Chandigarh	606682	490801	0	525320	0
34	CSIR Research Project entitled "Microwave Assisted Green Synthesis of shape memory Bio-degradable Polyurethane and their Nano Composites" under Prof. (Mrs.) Anupama Sharma Nee Kaushik, Department of UICET, Panjab University, Chandigarh	0	0	384200	555726	355400

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6 7	
		Rs	Rs	Original Rs	Revised Rs	Rs
35	CSIR Research Project entitled "Phenomenological Fermion Mass Matrices and Flavor Mixings" under Dr. M.M. Gupta, Department of Physics	0	0	280400	257000	280400
36	CSIR Research Project entitled " Development of Quantum Dot-based sensors for Biologically important analytes" under Dr. (Ms.					

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		5	6	5	6	7
		Original	Revised	Original	Revised	Original
		Rs	Rs	Rs	Rs	Rs
46	AICTE Project entitled 'Development of Grid Copmputing Centre for Distributed Applications' under Prof Sarbjeet Singh, U.I.E.T.	0	0	0	0	0
47	AICTE Project entitled 'Design Development & Optimization of Oral Drug Delivery Systems with enhanced Bio availability Potential' under Prof					

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EXPENDITURE
SCHEMES ETC

	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5	6	5	6	7
		Original	Revised	Original	Revised	6
		Rs	Rs	Rs	Rs	Rs
58	AICTE Research Project entitled “Design of Lipid-Core Nanoparticulate Systems for Neurological Disorders ” under Dr. V. R. Sinha, Department of UIPS	1500000	291872	0	0	0
59	AICTE Carrer Award for Young Teacher under Dr. Anurag Kuhad, Department of Pharmacy (UIPS)	0	49702	50000	50000	50000
60	AICTE “ Special Scholarship Scheme for Jammu & Kashmir students”	0	253194	380000	220718	400000
61	AICTE “ SC/ST students Hostel grant”	0	10000000	0	10000000	0
62	ICAR Project entitled’ Analysis of mammary gland transcriptome and proteome during lactation and involution in indigenous cattle and buffalo for identification of probable mammary biomarkers’ under Dr.Tapas Mukhopadhyay (Rs.62,25,000 for 4 years)	1826221	355199	0	373752	0
63	ICAR Project entitled ‘Systematic studies on Lepidoptera:Geometroidea’ under					

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		6 4	4 5	5 6	6 7	
		Rs	Rs	Original	Revised	Rs
70	ICSSR Project entitled "Psychological Correlates of Caste Stigma among Dalit Students : Intervention to Modulate" under Dr. Roshan Lal, Department of Psychology	0	0	0	600000	900000
71	ICSSR Project entitled "Problems of Religious in India : A Comparative Study of Christians and Muslims in the State of Punjab" under Dr. Emaual Nahar, Centre for Study of Social Exclusion and Inclusive Policy	0	0	0	720000	1080000
72	ICAR Project entitled "Extraction & Microencapsulating & Nutraceuticals for effectutive delivery into different food materials under Prof. Santany Basu, Department Chemical Engg. & Technology	838838	1175888	400000	365815	0
73	NASI Project entitled, 'Mycorrhigation of in Vitro Propagated Orchids: A Strategy to improve their survival frequency during lab. to land transfer' under Dr. S.P. Vij	0	0	0	0	0
74	NASI Project entitled, 'Senior Scientists Platinum Jubilee Fellowship' under Prof. K.N. Pathak, Department of Physics	0	0	0	892000	892000
75	NASI Project entitled, 'Senior Scientists Platinum Jubilee Fellowship' under Dr.(Mrs.) Kanak Lata Dikshit , Department of Bio-Technology	0	0	0	892000	892000
76	ICAR Research Project entitled "Delineating Beta Casein Variants in Indian Cows and Potential Health Implications of A1 A2 Milk" under Dr.Rajat Sandhir, Department of Bio-Chemistry	0	0	0	3251500	1669500
77	GOI, NCRI Award of Ph.D Fellowship to Ms. Kiran Bala, Department of Gandhian Studies	0	16500	0	135000	135000
78	Indian National Science Academy	1131337	656251	5000000	2000000	3000000
79	Indian Council of Agricultural Research	0	0	5000000	3000000	4000000
Department of Science and Technology (Bio Technology)						
80	DST UT Research project entitled " To study the physic chemical parameters of water and biodiversity of Patiala Ki Rao and Sukhna Choe (Eco-sensitive Zones) to define its conservation strategy" under Dr. Ravneet Kaur , Department of Zoology, Panjab University, Chandigarh	0	0	0	381800	381800

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		6 4	4 5	5 6	6 7	
		Rs	Rs	Original	Revised	Rs
81	DST UT Research project entitled “ Removal and recovery of heavy metals from waste water of N. Choe” under Dr. Amrti Pal Toor , Department of UICET, Panjab University, Chandigarh	0	0	0	287500	287500
82	DST UT Research project entitled “ To study the performance of various sewage treatment plants and the outlet of the disposal pipe for treated water” under Dr. Naveen Gupta , Department of Microbiology, Panjab University, Chandigarh	0	0	0	253000	253000
83	DST Project “Energy density formalism for studying neutron less fission and heavy ion reactions using neutron-rich nuclei” under Prof.R.K.Gupta (Rs.7,61,640 for 3 years)	36159	0	0	0	0
84	DST Project entitled “Study of CP Violation with the BELLE detedar at KWX B-Factory” under Dr. J.B.Singh (Rs.19,13,760/- for 3 years)	467394	677389	0	800000	1500000
85	DST Project “Design, scale up synthesis and evaluation of novel pyridyl, pyrimidyl and picolyl chalcogen compounds and their potential applications” under Prof. K.K. Bhasin (Rs.17,59,200 for 3 years)	0	0	0	0	0
86	DST Project “Investigation of photon scattaring processes in the X-ray energy region and analytical application” under Prof. Nirmal Singh (Rs.17,68,800 for 3 years)	0	0	0	0	0
87	DST “Evaluation of ripening of climatic fruits and associated sensor instrumentation” under Dr. I.S. Dua (Rs.13,72,000 for 3 years)	0	0	0	0	0
88	DST Project “Water and Sediment Chemistry of India talles and environmental implications” under Dr. B.K. Das (Rs.3,45,600 for 2 years)	0	0	0	0	0
89	DST Research project entitled “ pre-operative programme for Indian Participation in the FAIR project at the GSI, Darmstadt, Germany: Accelerator and Detector- RED and Prototyping” under Dr. Samarjit Sihotra, Department of Physics, Panjab University, Chandigarh	111073	-8341	200000	196000	100000
90	FIST Programme in the Deptt. of Geology (Rs.90,00,000 for 5 years)	0	0	0		
91	FIST Programme in the Deptt. of Bio-Technology	0	0	0	600000	400000
92	FIST Programme in University Institute of Pharmaceutical Sciences	199466	338672	1000000	6000000	6000000

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		4	5	5	6	6
		Rs	Rs	Original	Revised	Rs
93	FIST Programme in the Department of Chem.Engg.& Technology (Rs.60 lacs for five years)	0	0	0	0	0
94	FIST Programme in the Department of Physics(IInd Phase) (Rs.2.10 crore for five years)	6753792	312150	0	1000000	1500000
95	FIST Programme in the Department of Chemistry (IInd Phase)	-442826	0	0	0	0
96	FIST Programme in Department of Anthropology (Rs.44,50,000/- for five years)	13611	0	0	700000	600000
97	FIST Programme in the Department of Bio-Physics (IInd Phase)	75218	34581	0	0	0
98	FIST Programme in the Department of Bio-Chemistry	66076	7950000	0	1000000	300000
99	DST Project Phenomenology of Fermion Masses & Mixing under Dr. Gulsheen Ahuja, Physics	0	0	0	0	0
100	SERC Fast Track Project " Lasing Dyes in Solid Host Materials" under Dr.Sarvapreet Kaur, Department of Physics (Rs.6,12,000/- for 3 years w.e.f. 2.5.2006)	0	0	0	0	0
101	"Solid State Devices Using Ion Tracks" under the WOS-A scheme under Ms.Mamta Saroch, Department of Physics (Rs.13,14,000/- for 3 years w.e.f.4.9.06)	0	0	0	0	0
102	DST Project "Preparation and characterization of various polymorphic forms of selected drugs and study of their complexes with cyclodextrins using calorimetry and other techniques" under Dr. Renu Chadha, UIPS, P.U.	0	0	0	0	0
103	DST research project "Characteristics of Top Quark and search for new particles/p1934(I)-0.209186(P)-3.31793(S)-3.31793(,)0.0929717()0.0929717(P)-3.31793(.)0.04.e.08 -91(r)-0.20918ic24.08691(c)3.68691(4)0.2911(9)0.211306(c)3.686					

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		₹ 4	₹ 5	₹ 6	₹ 7	
		Original	Revised	Original	Revised	
		Rs	Rs	Rs	Rs	Rs

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		Rs	Rs	Original	Revised	Rs
116	DST Project “ India LHC Grid Collaboration-Enhancement of Regional World Wide Computing Grid (WLCG) under Dr. M.M. Aggarwal (ALICE) & Dr. S.B. Beri (CMS), Deptt of Physics	107406	501470	0	500000	300000
117	DST INSPIRE Fellowship	18864492	11492238	20000000	1800000	1800000
118	DST Inspire Faculty	0	12388210	0	15000000	25000000
119	DST project entitled “Surface Control of Nano scale materials through clean synthesis and characterization” under Dr.Surya Kant Tripathi, Deptt. of Physics (Rs.36,08,000/- for 3 years w.e.f.27.2.08)	180677	0	0	0	0
120	DST project entitled “Vibrational Spectroscopic Study of Chemical Sensing by Porphyrins and Phthalocyanines” under DrGhan Shyam Singh Saini, Deptt. of Physics (Rs.42,34,488/- for 3 years w.e.f.18.8.08)	0	0	0	0	0
121	DST project entitled “Clusterization, Thermalization and Correlations in Hot and Dense Nuclear Matter” under Dr.Rajeev Puri, Deptt. of Physics (Rs.5,61,437 for 3 years w.e.f.23.7.08)	0	0	0	0	0
122	DST Research project entitled “Flavonoid Biosynthesis in Phylanthus emblica LinnGene cloning, regulation and functional characterization of selected genes of pathway” under Dr.Kashmir Singh, Department of Biotechnology, Panjab University, at a total cost of Rs.21,95,350/- lacs for a period of 3 years w.e.f. 22.10.2008.	0	0	0	0	0
123	DST project under Women Scientist Scheme A (WOS-A) entitled “Ecophysiological responses of selected plants to elevated carbon dioxide” under Dr.Anamika Singh, Department of Botany, at a total cost of Rs.14.88 lacs for a period of 3 years w.e.f. 8.10.2008.	0	0	0	0	0
124	DST project entitled “Metallationof C-H bonds activated by Heteroatom lewis Acid Complexation” under Dr. S.V. Kessar,, INSA Scientist/Emeritus Professor, Deptt. of Chemistry (Rs.20,32,000/- for 3 years w.e.f.3.6.08)	0	0	0	0	0
125	DST project entitled “Development of Azole Derived Steroidal Hybrids as Potent Aromatase Inhibitors for the Management of Breast Cancer” under Dr.(Mrs.) Ranju Bansal, UIPS(Rs.29,34,400/- for 3 years w.e.f.9.7.08)	48617	0	0	0	0

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		5	6	5	6	7
		Original	Revised	Original	Revised	Original
		Rs	Rs	Rs	Rs	Rs
126	DST SERC Fast Track project entitled "Preparation, Characterization and Photocatalytic Activities of Nanophotocatalysts for the Degradation of Organic Pollutants" under Dr. Sushil Kumar Kansal, Deptt.of Chem.Engg. & Tech.(Rs.8.26 lacs for 3 years w.e.f.2.1.08)	0	0	0	0	0

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Estimates for

₹	₹	Original	Revised	6	7
Rs	Rs	Rs	Rs	Rs	Rs

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		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
177	DST R/P "Hard Parts of Indian Freshwater Fishes, their use in Fishery Management..... Indicators"... Under Prof. Mohinder Singh Johal Department of Zoology,	364642	379794	350000	0	0
178	SERB Research Project entitled "Magnetic Properties of nano size ferrites with different morphologies size" under Sonal Singhal, Department of Chemistry	109729	928696	300000	300000	300000
179	SERB Research Project entitled "Fermion mass matrices and their compatibility with flavor mixings" under Gulsheen Ahuja, Department of Physics	0	0	0	400000	500000
180	SERB Research Project entitled "Nano Machinig of Metal Matrix Xomoposites using Carbon.....Machinig (EDM)" under Dr. Harmesh Kumar Kansal, Department of UIET	279626	1007893	350000	350000	0
181	SERB Research Project entitled" Development of Nanosized Low Cost Supported Base.....Pollution control" under Gaurav Rattan, Department of Chemical Engg. & Technology	0	0	400000	0	0
182	SERB Research Project entitled "Isolation of novel alkalophilic laccase producing bacteria.....mediator system(LMS)" under Dr.Gursharan Singh, Department of UIET	90000	581840	300000	450000	300000
183	SERB Research Project entitled "Fusion-Fission in Nuclear Heavy Ion Reactions using Skyrme Energy Density Formalism"under R. K. Gupta, Department of Physics	366366	409774	400000	400000	200000
184	SERB Research Project entitled "Electrical and optical properties of amorphous Chalcogenides"under Dr. Satya Prakash8836()0.091519(P)-3.31793(r)-0.210639(a)3.68691(k)12.0849(a)3.68691(s)-3.71306(h)0.183038(8836()0.091519(P)-3.31793(r)-0.2					

PART I
EXPENDITURE
SCHEMES ETC

	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original Rs	Revised Rs	Rs
205	DST (SERB) Research project entitled “Antiretroviral therapy for treatment of HIV associated neurocognitive disorders: improving safety and efficacy using nanostructured drug delivery” under Dr. Babita Garg , Department of UIPS, Panjab University, Chandigarh	0	0	0	800000	600000
206	DST (SERB) Research project entitled “Theoretical investigations of transition metal oxide clusters” under Dr. Neetu Goel , Department of Chemistry, Panjab University, Chandigarh	0	0	0	600000	600000
207	DST (SERB) Research project entitled “Exploration of biological impacts of electromagnetic frequency radiation of cell phone range and understanding mechanism of its action in plant system” under Dr. Shalinder Kaur , Department of Botany, Panjab University, Chandigarh	0	0	0	800000	900000
	DST (SERB) Research project entitled “ Cognitive rigidity among social groups					

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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
213	DST (SERB) Research project entitled "Multiferroic magnetoelectric properties And hydrothermal synthesis" under Dr. Kuldeep Chand, Department of Physics, Panjab University, Chandigarh	0	277333	0	600000	600000
214	DST (SERB) Research project entitled "Tectonic and climatic implication during deposition of tertiary sediments in NW Himalayan foreland basin, India" under Dr. Seema Singh, Department of Geology, Panjab University,	0	0	0	250000	300000
215	ICRISAT Research Project entitled "Understanding mechanisms underlying combined tolerance to reproductive stage heat and drought stresses in chickpea and lentil" under Dr. Harsh Nayyar, Department of Botany	0	1862524	0	200000	200000
216	ICPR Research Project entitled "Living together: Rethinking identity and difference in modern context " under Dr. Alok Tandon , Department Philosophy	0	0	0	15000	15000
217	TPSC Programme in Department of Physics under Dr. C. N. Kumar	0	0	0	200000	200000
218	DBT project entitled " Cytokine Gene Polymorphism in HPV Associated Cervical Cancer" under Professor R.C. Sobti, Department of Biotechnology (Rs.33.69 lacs for three years w.e.f. 29.12.05)	0	0	0	0	0
219	DBT project entitled "Contribution of Quorum Sensing in Immune Modulation and Virulence of Pseudomonas Aeruginosa in Pathogen					

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SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
234	“Study on the Chemopreventive response of Dolastatin, a Molluse Linear Peptide of Indian Ocean origin in experimental colon cancer” under Prof.S.N.Sanyal, Department of Biophysics (Rs.54.25 lacs for 3 years w.e.f.1.09.09)	25935	0	300000	0	0
235	DBT PROJECT “Cloning Expression and characterization of the selected Lipase Genes (Lip D & Lip Q) of Mycobacterum tuberculosis H37Rv and its possible role in virulence” under Dr.(Mrs.)Jagdeep Kaur, Deptt.of Biotechnology Rs.14.00 lacs for 1 years)	13800	0	0	0	0
236	DBT Project entitled "Role of Rhizobium and AM fungi as bioameliorators of salinity stress in Cjanus cajan (L0 Millsp" under Dr. Neera Garg, Department of Botany	154663	15733	0	0	0
237	DBT Project entitled "Efficacy and saftey of a new vigirnal contraceptive formulation containing sperm....." under Dr. Vijay Prabha, Department of Micro Biology	91282	334970	200000	100000	100000
238	DBT Project entitled "Biotransformation of epoxides Hydrolases" under Dr. Dipti Sareen, Department of Bio-Chemistry	441306	2914305	300000	200000	200000
239	DBT project entitled "In response to TBRFA - A Study on expression and Characterizationanalysis"Under Dr. Jagdeep Kaur, Deptt. Bio-Technology	1383785	440502	450000	400000	300000
240	DBT project entitled "In response to TBRFA - A Study on expression and Characterizationanalysis" Under Dr. Kashmir Singh, Deptt. Bio-Technology	369248	291364	300000	300000	400000
241	DBT project entitled "Studies on the pathogenesis of hyperhomocysteinemia in rodent gA717(u)122(n)499.999TJ -246(n)0.184491(,)0(h)0.183038(y)23.983.a					

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EXPENDITURE						
SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		5 4	4 5	5 6	6	7
		Rs	Rs	Original	Revised	Rs
252	DBT project entitled "Small molecule inhibitors of indoleamine 2,3-dioxygenase: Development of new synergistic combinations of IDO inhibitors and TLR agonists as potential vaccine adjuvants" under Dr. Deepak B Salunke, Department of Chemistry	0	0	0	2110000	1860000
253	Seminar/Financial Assistance	9147925	11183268	11000000	15000000	17000000
254	Indian Council of Medical Research					
	a Open Fellows	6939296	9004686	8500000	10000000	10000000
	b ICMR research projects					
i)	"Evaluation of Effectiveness of Zinc in Restoring the Altered Thyroid and Liver Functions following Lithium Treatment" under Dr.D.K. Dhawan, Department of Biophysics (Rs.3,69,579/- per annum for 3 years w.e.f.15.6.2004)	0	0	0	0	0
ii)	"Studies on the Protective Efficacy of 78 KDA Antigen of Leishmania Denovani in BALB/c Mice" under Dr.(Mrs.) Sukhbir Kaur, Deptt. of Zoology(for 3 years w.e.f.1.7.2006 , a grant of Rs.7,53,033/- has been sanctioned for the 1st year of the project)	0	0	0	0	0
iii)	"Immunological studies in lung derived cells, in newborn and adult rat with Intratracheal instillation of lung surfactant" under Dr. S.N. Sanyal, Deptt. of Bio-Physics (3 years w.e.f. 15.2.07 to 14.2.2010) @ Rs.5,57,655/- p.a.	0	0	0	0	0
iv)	"Cobinative Immunoprophylactic Potential of gp63and HSp 70 against Leishmania donovani in balb/c mice" under Dr. Sukhbir Kaur, Deptt.of Zoology (for 3 years w.e.f.1.2.08	919	0	0	0	0
v)	ICMR Project entitled, 'Immunogenicity and efficacy of recombinant...visceral leishmaniasis' under Dr. Sukhvir Kaur, Zoology	127625	0	0	0	0
vi)	ICMR Project "Role of Cell Signaling and T-cell function in Chemo Preventive					

Heads of Expenditure

Estimates for

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EXPENDITURE
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Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
	₹	₹	₹	₹	₹
	4	5	Original	Revised	6
	Rs	Rs	Rs	Rs	Rs

ICMR Project "Cloning expression and characterization of the selected Lipase

xvi)

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EXPENDITURE						
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	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		4	5	6		7
		Rs	Rs	Original	Revised	Rs
255	Indian Council of Historical Research	2021473	125330	2500000	120000	130000
256	Indian Council of Philosophical Research	0	93767	0	150000	160000
257	Misc. Expenditure	318881	4168978	0	0	0
258	PLANEX ISRO Project "understanding the birth of the Solar System :Theoretical Studies (Rs.10,02,000/-) for three years w.e.f. 1.10.11 to 30.9.14 under Dr. Sandeep Sahijpal, Department of Physics	120784	228304	200000	0	0
259	Overhead charges for Plan/ Schemes/Projects	-383104	3988390	0	0	0
260	Refund	-102391	-269496	0	0	0
	Total (Other Bodies Schemes)	44455	67998	44867	46946	97688

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SCHEMES ETC						
	Heads of Expenditure	Actuals of		Estimates for the current year		Estimates for
		₹	₹	₹		₹
		Rs	Rs	Original	Revised	6 7
		Rs	Rs	Rs	Rs	Rs
(E)	SCHOLARSHIPS ETC					
	Scholarships/Stipends under other financial assistance from:					
1	Govt. of India	0	111275	300000	300000	300000
2	State Govts:					
	(a) Punjab	188234	1248208	3000000	3000000	3000000
	(b) Haryana	10150	75600	500000	500000	500000
	(c) U. T. Chandigarh	184099	0	350000	350000	350000
	(d) Himachal Pradesh	7500	22500	50000	100000	100000
3	Other Sources	846924	516000	1000000	1000000	1000000
	(Total Scholarships	69 7	97 8 8	5	5 5	5 5
	Grand Total (Schemes & Scholarships	55 7 6 6	41 64 5 8	5 787 2 3	8 8 766	5 674 61 8
	Grand Total (Plan & Schemes	84 55 61 8	5 7 6 81 6 8	7 7 97 3	5 41 88	677 5 41 7

Heads of Expenditure

Estimates for

Heads of Expenditure

Estimates for

**PART I
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SCHEMES ETC.**

	Heads of Expenditure	Actuals of		Estimates for the current year 2015-2016		Estimates for
		2013-2014	2014-2015	Original	Revised	2016-2017
		Rs.	Rs.	Rs.	Rs.	Rs.
xv	Project on research and development in the field of X-ray and X-ray spectroscopy, non-scientific, to the Government of Karnataka, Deptt. of Chemistry.					
xx	Project on research and development in the field of X-ray and X-ray spectroscopy, non-scientific, to the Government of Karnataka, Deptt. of Chemistry.					
xx	Project on research and development in the field of X-ray and X-ray spectroscopy, non-scientific, to the Government of Karnataka, Deptt. of Chemistry.					
xx	Project on research and development in the field of X-ray and X-ray spectroscopy, non-scientific, to the Government of Karnataka, Deptt. of Chemistry.					

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EXPENDITURE
SCHEMES ETC.**

	Heads of Expenditure	Actuals of		Estimates for the current year 2015-2016		Estimates for
		2013-2014	2014-2015	Original	Revised	2016-2017
		Rs.	Rs.	Rs.	Rs.	Rs.
v	Project Morp y o y tun n a nano o us n y sur ac act y nor an c o cu s Dr A an Kaura G C Hos arpur to					
v	Project a n sss pact o E arn n on aca c p r or anc o un v rs ty stu ats Dr ona C aw a Co put r c nc C					
v	Project En anc n qua ty o ban n s rvc s t rou t c no o y An					

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	Heads of Expenditure	Actuals of		Estimates for the current year 2015-2016		Estimates for
		2013-2014	2014-2015	Original	Revised	2016-2017
		Rs.	Rs.	Rs.	Rs.	Rs.

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PART I**Heads of Expenditure**

	2013-2014 Rs.	2014-2015 Rs.	Estimates for the current year 2015-2016		Estimates for 2016-2017 Rs.
			Original Rs.	Revised Rs.	