

Heads of Expenditure		Estimates for				
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
I						
1	Visit of Professors under cultural exchange programme	0	76888	300000	300000	300000
2	JRF (NET) (at any one given time basis)	108397147	37443821	10000000	500000	0
3	Research Fellowships (Direct)	559200	1791217	1500000	2300000	2500000
4	Emeritus Fellowships	389902	0	500000	0	0
5	Research Projects (See Detail at Page-271 to 282)	5399427	11066498	6095802	16278968	1979510
6	Teacher Fellowships	18500	0	100000	100000	100000
7	Research Scientist	2223861	2412978	3500000	3500000	4000000
8	*Centre for Women's Study XIIth plan (extended upto 31.03.2019)	-3538	273828	0	3125210	3125210

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
5	GOI Research Project entitled "Securing Chickpea Productivity under contemporary Abiotic Stresses" Improvement of Podding and Seed filling under Heat, Drought and Salinity" under Prof. Harsh Nayyar, Department of Botany (Rs.32,34,000/- for three years)	56000	0	200000	650000	450000
6	GOI, DRDO project entitled "Development and Characterization" under Dr. Prashant Jindal, UIET	76713	0	0	0	0
7	GOI, DRDO project entitled "Nanocomposite Films Preparation, Characterization and their Application as Hydrogen Gas Sensor" under Dr. J.K. Goswamy, Department of UIET	498055	133935	0	0	0
8	GOI, DRDO project entitled "Synthesis and Characterization of Nanostructured Energetic Materials" under Dr. Aman Kaura, SSG Panjab University, Regional Centre, Una Road, Bajwara, Hoshiarpur	258773	315157	0	0	0
9	Punjab Mid-day Meal Society Punjab Govt. under Dr. Kanwalpreet Kaur	864209	53869	0	0	0
10	GOI Project "SSA Monitoring of Sarv Shiksha Abhiyan and Mid-day Meal Programme by the Monitoring Institutes under Dr Jatinder Grover, Department of USOL	0	0	0	38250	0
11	ICARDA Project entitled "Evaluation of lentil germplasm for heat tolerance" under Dr. Harsh Nayyar, Department of Botany	68136	233071	100000	0	0
12	PRC "PIP Monitoring of NRHM-2013-14" for the Three Districts of Haryana (i.e Hisar, Palwal and Mewat)	155725	0	250000	0	0
13	GOI Project "Edcil (India) Limited Rashtriya Shiksha Madhyamik Abhiyan(RSMA) under Dr Jatinder Grover, Deptt. of USOL	910500	2651851	0	0	0
14	GOI DRDO project entitled "Functionalised Graphene Epoxy Nano-Composites Synthesis possible applications" under Dr. Anupama Sharma, Department of UIET	1790	94795	0	0	0
15	GOI - BIRAC Biotechnology Research Assistant Council Project entitled "University Innovation Cluster (UIC) under Prof. Rupinder Tewari, Department of Microbial Bio Technology	2503563	3306681	4000000	4000000	3000000

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
16	GOI (ICRISAT) Research Project entitled "Screening and evaluation of Mungbean accessions for Heat tolerance" under Dr. Harsh Nayyar, Department of Botany	264261	149529	200000	0	0
17	GOI MHRD Research Project entitled "National Initiative for Design Innovation" under Director UIET	25600000	0	0	0	0
18	GOI PLANEX Research Project entitled "To understand the origin of the isotopic composition of the interstellar dust, solar system and the galaxy " under Dr. Sandeep Sahijpal, Department Physics	136381	161464	250000	180000	200000
19	GOI MLA Research Project entitled "Visvesvaraya Ph.D Scheme " under Prof. Sakshi Kaushal , Department UIET	734423	3239497	1800000	3500000	4000000
20	GOI NFCG Research Project entitled "Duties defined and duties performed : A Gap Analysis of directors Duties in Small and Medium size Enterprises in city " under Dr. Gunmala Suri , Department University Business School	49021	92833	0	54000	0
21	GOI NCERT Research Project entitled "Investigating the root causes of under achievement among gifted under achievers and adapting trifocal model for reversing their under achievement " under Dr. Supreet Kaur , Department USOL	37000	6598	0	40000	0
22	GOI DRDO Research Project entitled "Designing and development of power condition circuit suitable for piezoelectric energy harvester developed by DIHAR " under Dr. Y.P. Verma , Department UIET	106256	243312	0	432	0
23	GOI Research Project entitled "Aquatic fungal diversity of the hill streams of Himachal Pradesh Monographic study and its invitro screening for lignocellulolytic Enzymes " under Dr. I.B. Prasher , Department Botany	1211226	447925	800000	500000	600000
24	GOI Research Project entitled "Carts: Communication Assisted Road Transpiration System " under Dr. Naveen Aggarwal , Department UIET	176127	350698	400000	300000	0

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		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
25	GOI Research Project entitled "Ethnic Identity Nationalism & Culture: Phenomenological Grounding for otherness in North East India " under Dr. Reena Patra , Centre for Swami Vivekananda Studies	340556	70000	300000	300000	200000
26	JC Bose Fellowship from National Agri Food Biotechnology Institute (NABI) under Dr. Rakesh Tuli, Department of UIET	1569335	1312210	1500000	1400000	1500000
27	GOI Research Project entitled "Social Audit of Punjab Mid day Meal Society " under Dr. Jatinder Grover, Department USOL	265309	107815	0	0	0
28	GOI (ICPR) Research Project entitled "Theory of Meaning a Comparative Study of Wittgenstein and Nagarjuna " under Dr. Geeta Manaktala, Department of Philosophy	65217	380172	400000	400000	100000
29	GOI (MOES) Research Project entitled "Active Fault, Paleoseismic and crustal deformation in NW and Central Himalaya, India : An integrated approach towards Seismic Hazard Assessment " under Dr. Mahesh Thakur, Department of Geology	0	3658762	600000	2700000	700000
30	GOI (MOES) Research Project entitled "Neogene- Quaternary Climate Changes and Dietary shifts in Siwalik and Narmada Valley Herbivorous Mammals " under Dr. Rajeev Patnaik, Department of Geology	0	1550935	700000	1500000	600000

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
c)	UNION TERRITORY CHANDIGARH					
1	DST UT Research project entitled “ Identification and quantification of Polyaromatic hydrocarbons from samples in and around Chandigarh” under Dr. Jaspreet Kaur , Department of Bio-Technology, Panjab University, Chandigarh	0	70000	0	0	0
2	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	67671	0	40000	40000
3	DST UT Research project entitled “ Swelling and release of bioactive ingredients from model gel systems under simulated gastric conditions” under Dr. Santanu Vashu, Department of Chemical Engg., Panjab University, Chandigarh	0	38348	0	10000	10000
4	DST (UT) Research project entitled “Evaluation Rv3176c as a potential drug target M. Tuberculosis” under Dr. Jagdeep Kaur, Department of Bio-Technology	0	0	0	75000	0
5	MPLAD Fund (UT) for purchase of two AC Buses (30 Seater)	0	0	0	545628	545628
6	MPLAD Fund (UT) for purchase of (i) Server/Computers/Laptops/ Printers/Peripherals/Web-Cams/Internet , (ii) Video Conferencing equipments, (iii) Projector/Photostat/Fax ,(iv) Book Shelves and Almirahs & (v) Books	213195	3251923	0	100574	0
7	MPLAD fund U.T. Development of Park Opposite T-II house Sector-25, South Campus, Panjab University, Chandigarh	541362	362	0	0	0
8	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	15395	0	0	0	0

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
9	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	10569	0	0	0	0
10	DST UT Research project entitled “ Clinical and f35.68691.221.078 0 Td {f}79 loaDefi3(e)3.684()-0.209186(o)0.192224(e)3.68691(p)0.183038(a)3.6829122(t)4.29122(i)-					

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

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Actuals of		Estimates for the current year 2017-2018		Estimates for
2015-2016	2016-2017	Original	Revised	2018-2019
Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
21	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	124757	466275	192100	193503	0
22	CSIR Research Project entitled "Phenomenological Fermion Mass Matrices and Flavor Mixings" under Dr. M.M. Gupta, Department of Physics	155948	106800	284200	1084652	482000
23	CSIR Research Project entitled " Development of Quantum Dot-based sensors for Biologically important analytes" under Dr. (Ms.) Navneet Kaur, Department of Nano Science & Nano Tech	449907	1176382	451522	774366	0
24	CSIR Research Project entitled " Synthesis Characterization and the application of ferrites in the photo catalytic degradation organic pollutants"					

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
38	AICTE Project entitled, "Strategies for Customer Relationship Management in Banking Industry: An Empirical Investigator with special reference to IT-enabled services" under Dr. Sanjeev Kumar Sharma, Deptt. of U.B.S.(Rs.5,05,000 for 2 years)	0	0	0	171406	0
39	AICTE Research Project entitled " Nano Machining of metal matrix composites by electric discharge machining (EDM) using carbon nano particles" under Dr. Harmesh Kumar, Department of UIET, P.U. Chd	15117	0	0	0	0
40	AICTE Research Project entitled "Experimental determination of the Thermal Behaviour of some Non-Circular Journal bearing Profiles" under Dr. Amit Chauchan, Deptt. of UIET, P.U., Chandigarh	0	23633	0	0	0
41	AICTE project "Study on heat transfer characteristics of some metal oxide...." Under Dr. Ritu Gupta, UICET from 07.03.2012 to 06.03.2014.	0	0	0	672	0
42	AICTE Research Project entitled "Design of Lipid-Core Nanoparticulate Systems for Neurological Disorders " under Dr. V. R. Sinha, Department of UIPS	7194	4161	0	5440	0
43	AICTE Carrer Award for Young Teacher under Dr. Anurag Kuhad, Department of Pharmacy (UIPS)	0	49757	50000	50000	50000
44	AICTE " Special Scholarship Scheme for Jammu & Kashmir students"	211687	50000	500000	500000	600000
45	AICTE " SC/ST students Hostel grant"	0	8000000	0	000g(0)068691(u)0.18(r)-0.2106390	

Heads of Expenditure

					Estimates for
	2015-2016	2016-2017	Original	Revised	2018-2019

Heads of Expenditure

	2015-2016	2016-2017	Original	Revised	Estimates for
	Rs.	Rs.	Rs.	Rs.	2018-2019
					Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
69	ICSSR Research Project entitled "Senior fellowship "Gender and Public Policy in India" under Dr.Surinder K. Shukla , Department of University School of Open Learning	0	0	520000	616000	200000

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
93	“ALICE-Operation and Utilization” under Prof.M.M. Aggarwal, Deptt.of Physics	216024	3238888	0	3238888	0
94	“Study of New Particles with the CMS Detector at the Large Hadron Collider and Heavy Ion Physics using LHC at CERN-CMS” under Prof.J.B. Singh and Prof.(Mrs.)Suman Bala Beri, Deptt.of Physics	0	23045034	0	0	0
95	DST Project ‘The role of ubiquitin proteasome dysfunction in Parkinson’s disease and the therapeutic potential of heat shock proteins against it’ Dr. Bimla Nehru, Deptt. of Bio-Physics	232370	0	0	0	0
96	DST (WOS-A) Project entitled "Studies on the biochemical mechanisms in colchicine induced dementia: Neuroprotective potential on Bacopa monnieri." Under Ms. Neetu Saini, Department of Bio-Chemistry (Rs.16,08,000/-) for three years	35561	0	0	0	0
97	DST Project entitled "Development of suitable nanoocular formulation for superficial and vitreal fungal infection" under Dr. Indu Pal Kaur, Department of UIPS (Rs.46,54,400/-) for three years	25294	0	0	0	0
98	DST" project "Design and synthesis of polymeric receptors for ion recognition studies." Department of Nano science under Dr. Navneet Kaur (Rs.27.00 lac for three years)	150564	0	0	0	0
99	DST (SERB) Ramanujan Fellowship to Dr. Amandeep Sood, Department of Physics	1284378	1258194	1500000	0	0
100	DST SERB Ramanujan Fellowship to Dr. Natasha Sharma, Department of Physics	112759	1508689	1800000	0	0
101	DST SERB Ramanujan Fellowship to Dr. Santosh Kumar , Department of Bio-Physics	0	1780000	1700000	0	0
102	DST PURSE- Phase - II (Promotion of University Research and Scientific Excellence) Programme of DST (Rs.34.80 crore for 4 years) w.e.f. 13.08.2014 to 12.08.2018	44194737	69636650	80000000	100000000	90000000

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Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
	2015-2016	2016-2017	Original	Revised	2018-2019
	Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

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	Actuals of		Estimates for the current year 2017-2018		Estimates for
	2015-2016	2016-2017	Original	Revised	2018-2019
	Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
128	SERB Research Project entitled "Development & standardization of a polyherbal memory enhancing formulation with modern drug delivery system" under Dr. Jai Malik, Department of UIPS	151794	82525	150000	150000	150000
129	SERB Research Project entitled "Self aggregation behav					

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		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
137	DST SERB 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 Centre for Nuclear Medicine	70000	0	100000	0	0
138	DST SERB R/P "Nanoparticle Mediated Targeting of bacteria using Cell Penetrating Peptides." under Dr.Rohit kumar Sharma, Department of Chemistry	839817	412825	700000	400000	300000
139	DST (SERB) project entitled “ MurA and MurB enzymes as drug target for Mycobacterium tuberculosis H37Rv: gene cloning, purification, characterization and crystallization studies” under Dr. R. Tewari, Department of Centre for Microbial Bio-Technology, Panjab University, Chandigarh	0	471261	0	0	0
140	DST (SERB) Research project entitled “ On the thermalization, mulifragmentatin and associated phenomena in heay-297.326(h22(h)0.183038(e)3.68691(r)-0.209186(m)28.2779(a)11.6912(T)4.08204(e)d {m)28.2765(u)0.18449183038(

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
143	DST (SERB) Research project entitled “Studies on Selenium mediated redox regulation of resolution pathways in experimental colitis” under Dr. Naveen Kaushal , Department of Bio-Physics, Panjab University, Chandigarh	61464	1280017	600000	550000	500000
144	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 ,					

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
159	DST (SERB) Research project entitled "Identification of quorum sensing molecule(s) in Rhizopus arrhizus and their potential as diagnostic target(s)" under Dr. Rachna Singh, Department of Microbial Bio-Technology, Panjab University, Chandigarh	0	135068	627000	627000	600000
160	DST (SERB) Research project entitled "Development of a Multi-Junction Perovskite Solar Cell" under Dr. Jadab Sharma, Centre for Nanoscience and Nanotechnology, Panjab University, Chandigarh	0	0	340000	350000	400000
161	DST (SERB) Research project entitled "Utilization of fungi for bioremediation and biotreatment of industrial waste waters" under Dr. Rajeev Kumar, Department of Environment Studies, Panjab University, Chandigarh	0	526700	500000	500000	400000
162	DST (SERB) Research project entitled "Optical and Electrochemical Sensors based on Benzothiazole and their Nanoparticles" under Dr. Shweta Rana, Department of Chemistry, Panjab University, Chandigarh	0	278077	350000	342000	340000
163	DST (SERB) Research project entitled "MIL-incorporated metal carbon hybrid nanostructures from agrowaste for efficient water purification" under Dr. Jitendra Kumar, Department of Chemistry Panjab University, Chandigarh	0	1007905	1050000	1250000	1000000
164	DST (SERB) Research project entitled "Assessment of ecological and economical impacts of invasive plant species in Shivalik range of Himachal Pradesh, Western Himalya" under Dr. Vikrant Jaryan, Department of Botany, Panjab University, Chandigarh	192887	800797	900000	400000	300000
165	DST (SERB) Research project entitled "Intercomponent energy and electron transfer in-electroluminescent and electrochemiluminescent organic-inorganic hybrid materials" under Dr. P.Natarajan, Department of Chemistry, Panjab University, Chandigarh	193672	1044017	532000	532000	500000

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Estimates for

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	Actuals of				Estimates for
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	Rs.	Rs.	Rs.	Rs.	Rs.

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Actuals of		Estimates for the current		Estimates for
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Rs.	Rs.	Original	Revised	Rs.
		Rs.	Rs.	

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
215	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	2109776	1859576	2200000	1900000	1800000
216	DBT project entitled "Metagenomic and Functional Characterization of Soy-based Fermented Foods of Northeastern Region" under Prof. Kanakjyoti Dasgupta	11603830	11871183	11830000	11830000	11830000

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		Rs.	Rs.	Rs.	Rs.	Rs.

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

- vi) ICMR Project "Studies on the involment of alterations in calcium homeostasis in hyperglycemia induced" under Dr. Rajat Sandhir,

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		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
227	Indian Council of Historical Research	62452	142452	80000	90000	80000
228	Indian Council of Philosophical Research	0	0	0	0	0
229	Misc. Expenditure	26108	0	0	0	0
230	Overhead charges for Plan/ Schemes/Projects	5959007	5863300	0	0	0
231	Refund	113174	-696382	0	0	0
	Total (Other Bodies)	224458280	325667447	279048422	334210075	287907899
232	Foreign Contribution Regulation Act (FCRA)	607617	7660194	500000	1000000	2000000
	Total (FCRA)	607617	7660194	500000	1000000	2000000
233	Rashitrya Uchttar Skisha Abiyan (RUSA)	300034	519591	1000000	500000	500000
	Total (RUSA)	300034	519591	1000000	500000	500000
	Grand Total (Other Bodies, FCR & RUSA)	225365931	333847232	280548422	335710075	290407899
V) SCHOLARSHIPS ETC.						
Scholarships/Stipends under other financial assistance from:						
1	Govt. of India	251733	204597	300000	300000	300000
2	State Govts:					
	(a) Punjab	0	0	2500000	2500000	2500000
	(b) Haryana	5400	219600	450000	450000	450000

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				Estimates for
	2015-2016	2016-2017	Original	2018-2019
	Rs.	Rs.	Rs.	Rs.
				Revised
				Rs.

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		Rs.	Rs.	Rs.	Rs.	Rs.
ix)	Project :- "Development of in Vitro propagation protocols of floriculturally important Indian orchids", w.e.f. 1.2.2010 to 31.1.2013 under Dr. Promila Pathak Deptt. of Botany, (Rs. 9,17,580/-).	0	0	0	249450	0
x)	Project :- "Studies to explore the neuroprotective role of Zinc in aluminium induced", w.e.f. 1.2.2009 to 31.1.2012 under Dr. D.K. Dhawan, Deptt. Of Biophysics, (Rs.11,26,354/-).	108774	0	0	12000	0
xi)	Project :- "Investigation on cellular mechanism of curcumin against aluminium induced neuronal toxicity: Possible role in neuroinflammation", w.e.f. 1.2.2010 to 31.07.2013 under Dr. Bimla Nehru Deptt. of Biophysics, (Rs. 11,46,335/-).	196426	0	0	2345	0
xii)	Project :- "Phytomodulatory effects of Azadirachta indica aqueous leaf extract on diethylenitrosamine induced hepatic" w.e.f. 1.5.2009 to 30.4.2012 under Dr. Ashwani Koul Deptt. of Biophysics, (Rs. 9,45,800/-) .	0	0	0	32000	0
xiii)	Project :- " Characterization of MT isolated from znrated rates for toxicity and biosensor application", w.e.f. 1.2.2010 to 31.1.2013 under Dr. Mohan Lal Garg Deptt. of Biophysics, (Rs. 13,78,334/-).	0	58917	0	115200	0
xiv)	Project :- " Studies on heat induced hyboxia oxidative stress and apoptosis in mice tests : Modulation by antioxidants", w.e.f. 1.2.2011 to 31.1.2013 under Dr. Sarvnrinder Kaur Deptt. of Biophysics, (Rs. 2,00,000/-).	0	0	0	1492	0
xv)	Project :- "Studies on Lon exchange resin catalyzed esterification reactions of pemnanoic acid with alcohols", w.e.f. 1.2.2010 to 31.1.2013 under Dr. Amrit Pal Toor Deptt. of Chem. Engg. & Tech., (Rs.13,16,084/-) .	0	16150	0	54142	0
xvi)	Project:- "Synthesis characterization and reactivity of X-aryl and X,V-diaryl fluoroacetophenones",w.e.f. 1.5.2009 to 30.4.2012 under Dr. Tejvir Singh, Deptt. of Chemistry, (Rs. 10,42,000/-).	0	0	0	137369	0
xvii)	Project :- "Studies on novel silatranes", w.e.f. 1.5.2009 to 30.4.2012 under Dr. Gurjaspreet Singh, Deptt. of Chemistry, (Rs.8,63,239/-).	0	256689	0	0	0

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.

- xviii) Project :- "Synthesis characterization and application of nano size ferrites",
w.e.f. 1.2.2010 to 31.1.2013 under Dr. Sonal Singhal, Deptt. of Chemistry, (Rs.
8,77,074/-).

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SCHEMES ETC.

	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
xxvi)	Project :- "Equality and ideology of Exclusion: A Post-Script on the Humanization of Indian Societies", w.e.f. 1.4.2008 to 31.3.2011 under Dr. V.T. Sebastian , Deptt. of Philosophy, (Rs. 5,91,588/-).	0	0	0	4575	0
xxvii)	Project :- "Development of topical formulations of itraconazole using colloidal drug carrier systems", w.e.f. 1.2.2009 to 31.7.2012 under Dr. Shishu, Deptt. of U.I.P.S. (Rs.7,71,860/-).	0	0	0	191275	0
xxviii)	Project :- "Design and synthesis of novel pyridazinone based COX-2 selective hybrid molecules as potent analgesic and anti-inflammatory agents", w.e.f. 1.2.2010 to 31.7.2013 under Dr. Ranju Bansal, Deptt. of U.I.P.S., (Rs. 12,01,867/-).	29967	0	0	0	0
xxix)	Project :- " Development of therapeutic rescue for memory deficits & Alzheimer's disease associated with insulin resistance syndrome", w.e.f. 1.2.2011 to 31.1.2014 under Dr. Kanwaljit Chopra, Deptt. of U.I.P.S., (Rs. 9,51,800/-)	0	0	0	7222	0
xxx)	Project :- " Development of newer therapeutic strategies targeting mitochondrial dysfunction, neuroinflammatory apoptotic mechanisms in Huntington's diseases", w.e.f. 1.2.2011 to 31.1.2014 under Dr. Anil Kumar , Deptt. of U.I.P.S. (Rs. 9,26,800/-).	459397	0	0	10019	0
xxxi)	Project :- "Chemoenzymatic synthesis and antihypertensive activity of a new					

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SCHEMES ETC.						
	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
xxxiv)	Project :- " Ultrastructural studies on spleen of normal Plasmodium belghei (NK 65) infected and immunized Blab/C mice", w.e.f. 1.2.2011 to 31.1.2014 under Dr. Upma Bagai, Deptt. of Zoology, (Rs. 10,74,867/-).	0	0	0	91926	0
xxxv)	Social Problems of Leprosy Patients: A Concern and Challenge for the Society - Dr. A.K Sinha, Anthropology w.e.f. 01.04.2008 to 31.03.2010 (Rs.3,88,200/-)	0	107269	0	0	0
xxxvi)	Project: "Synthesis and Biological evaluation of some potential anti-amnesic compounds" Dr.Poonam Piplani, UIPS, PU, Chd (07.03.2002 to 06.03.2005) (Rs.5,52,889/-)	0	0	0	23009	0
xxxvii)	Project "Molecular mimicry between bacteria and spermatozoa" (Mrs.) Vijay Prabha, Deptt. Microbiology, PU, Chd. 1.7.2011 to 31.12.2014 (Rs. 10,89,928/-)	97201	31696	0	0	0
xxxviii)	Project:- A study of single nucleotide polymorphisms in candidate genes associated with Asthma in North Indian Population" Dr. Jagtar Singh, Deptt of Bio-tech, PU Chd. (1.7.2011 to 31.12.2014) (Rs. 11,72,300/-)	0	17910	0	86488	0
xxxix)	Project:- Effect of nitrogen ligands on copper (II) aryl carboxylates and sulfonates" Dr. Raj Pal Sharma, Deptt of Chemistry, PU Chd. (1.7.2011 to 31.12.2014) (Rs. 7,61,800)	0	0	0	317008	0
xl)	Project:- "Characterization and hydrodynamic study on nanofluids" Dr. (Ms.) Ritu Gupta, Deptt. of Chem. Engg & Tech. PU, Chd (1.7.2011 to 30.6.2014) (Rs. 12,36,787/-)	0	0	0	28806	0
xli)	Project , " Normal Deformed and strongly deformed nuclear structures in some Hafnium and Lutetium nuclei" Deptt. of Physics under Dr. Nirmal Singh, w.e.f. 19/10/2011 to 18/10/2014. (Rs. 3,63,000)	18015	0	0	0	0
xlii)	Project: "Synthesis Characterization and photocatalytic activity of one dimensional titania/zinc oxide nanostructures" Dr.Sushil Kumar Kansal, UICET, PU, Chd (01.7.2012 to 31.12.2015) (Rs. 12,50,300/-)	204888	0	0	95695	0

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	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
lii)	Project :- "Rational design and synthesis of acetylcholinesterase inhibitors for cognition disorders ", w.e.f. 1.7.12 to 31.12.2015 under Dr. Poonam Piplani Deptt. of UIPS (Rs. 9,38,300/-)	299985	0	0	53809	0
liii)	Project :- " Preparation and characterization of crystal polymorphs of selected					

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	Heads of Expenditure	A
		2015-201
		Rs.
lxi)	Project :- "Applications of Teaching of Guru Granth Sahib Solving human Problems Related to Modern Way of Life", w.e.f. 1.7.2012 to 31.12.2014 under Dr. Jaspal Kaur Kang Deptt. of Guru Nanak Sikh Studies ., (Rs. 868800 /-).	1062
lxii)	"Biodistribution and Safety profile of Gemini Surfactants", w.e.f. 1.7.2012 to 30.6.2014 under Dr. Tranum Kaur Deptt. of Biophysics.,(Rs.1,80,000 /-)	
lxiii)	"Child Health Care Services in Punjab : An Evaluation of National Rural; Health mission " w.e.f. 1.7.2012 to 31.12.2013, under Dr. Navreet, Deptt. Public Administration (Rs. 1,10,000/-).	
lxiv)	Project :- "Studies on the signaling cross talk of ovarian steroids : Relevance to menstrual migraine.", w.e.f. 1.2.2011 to 31.1.2012 under Dr. Veena Puri Deptt. of Centre for System Biology & Bioinformatics, (Rs. 9,06,800/-).	
lxv)	Project :- "Physico-Chemical Studies of Carbon Nanotubes Modified by Swift Heavy Ion Irradiation", UFR-52304 under Dr. Keya Dharamvir. Physics (Rs.75,000/-) w.e.f. 15.10.2012 to 14.10.2015	
lxvi)	Project: "In beam nuclear structure physics in A"100"130 mass nuclei" by Dr. Nirmal Singh of Deptt. Physics w.e.f. 1.4.2013 to 31.3.2017 (Rs.6,38,200/-)	113
lxvii)	Project- "Oral health related behavior and its relationship with socioeconomic status amongst 11-16 year old children of Chandigarh" by Dr. Urvashi Sharma, Deptt. of Dental Science w.e.f. 1.4.2013 to 31.3.2015 (Rs.1,00,000/-)	10
lxviii)	Project- "Silencing of Cap binding proteins (Cbp 20 and Cbp 80) to study their role in abiotic stress tolerance in plants" by Dr. Kashmir Singh, Deptt. of Biotechnology w.e.f. 1.4.2013 to 31.3.2017 (Rs.7,91,000/-)	
lxix)	Project: "2.71(P)-3.511dp-12971(P)-3.511dp-12971(2.71(P)-3.51519108(ur)-0.85684(9,06,	

Heads of Expenditure

Estimates for

PART I**EXPENDITURE****SCHEMES ETC.**

	Heads of Expenditure	Actuals of		Estimates for the current year 2017-2018		Estimates for
		2015-2016	2016-2017	Original	Revised	2018-2019
		Rs.	Rs.	Rs.	Rs.	Rs.
lxxxvi)	Project- "Reactivation of PAX1 gene in HeLa Cell Line by natural compounds and the possible involvement of UHRF1" by Dr. Neena Capalash, Department of Bio-Technology w.e.f. 01.07.2015 to to30.06.2018 (Rs.14,00,000/-)	32687	562954	328000	464359	40000

lxxxvii) Project- "Studies exploring the anti-angiogenic and anti-metastatic potential of

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Heads of Expenditure

	2015-2016 Rs.	2016-2017 Rs.	Estimates for the current year 2017-2018		Estimates for 2018-2019 Rs.
			Original Rs.	Revised Rs.	