|    | Heads of Income                         | 2014-2015<br>Rs. | 2015-2016<br>Rs. | Original<br>Rs. | Revised<br>Rs. | Estimates<br>for<br>2017-2018<br>Rs. |
|----|---|------------------|------------------|-----------------|----------------|--------------------------------------|
|    | GRANT FOR SCHEMES & OTHER PURPOSES      |                  |                  |                 |                |                                      |
| I) | UNIVERSITY GRANTS COMMISION             |                  |                  |                 |                |                                      |
| 1  | JRF (NET) (at any one given time basis) | 100000000        | 120000000        | 120000000       | 80000000       | 20000000                             |
| 2  | Research Fellowships (Direct)           |                  |                  |                 |                |                                      |

|         |  |           |           | Estimates for | the current | Estimates |
|---------|--|-----------|-----------|---------------|-------------|-----------|
|         | Heads of Income  | Actua     | als of    | year 201      | 16-2017     | for       |
|         |  | 2014-2015 | 2015-2016 | Original      | Revised     | 2017-2018 |
|         |  | Rs.       | Rs.       | Rs.           | Rs.         | Rs.       |
| 23      | Special Honorarium @ Rs.15000/- p.m. to the teachers who are fellows of atleast two of the four specified Science Academy  | 540000    | 0         | 500000        | 180000      | 180000    |
| 24      | Maulana Azad National Fellowship for Minority Students   | 0         | 0         | 0             | 1021246     | 0         |
| 25      | Post Doctoral Fellowship for Women   | 1529360   | 797986    | 2000000       | 1200000     | 1500000   |
| 26      | Capacity building programme for women Managers in Higher Education under RGNYD   | 330400    | 0         | 0             | 0           | 0         |
| 27      | "Indo - US Partnership on Green Chemistry/Engineering and Technologies<br>Education, Research and Outreach for Sustainable Development" under Indo-US<br>21st Century knowledge Initiative, Department of Chemistry w.e.f. 01.08.2016 to<br>31.07.2019 | 0         | 0         | 0             | 4116000     | 8012000   |
| 28      | Misc Income  | 215552    | 16799     | 0             | 0           | 0         |
| 29      | Interest on Investments  | 19707533  | 6264344   | 0             | 0           | 0         |
| 30      | Interest on Savings  | 0         | 965236    | 0             | 0           | 0         |
| 31      | Transfer Entry   | 792988    | 0         | 0             | 0           | 0         |
|         | Total  | 161112160 | 154745162 | 173007064     | 113787703   | 108142553 |
| II) (a) | GOVERNMENT OF INDIA  |           |           |               |             |           |
| 1       | PRC Project entitled "Monitaring and Supervision of District & Block Level".   | 658706    | 0         | 1000000       | 0           | 0         |
| 2       | GOI DRDO project entitled "Development and characterization" under Dr. Prashant Jindal, Department of UIET (Rs.15,95,000/- for three years)  | 250000    | 0         | 0             | 0           | 0         |
| 3       | GOI DRDO project entitled "Functionalised Graphene Epoxy Nano-Composites Synthesis possible applications" under Dr. Anupama Sharma, Department of UIET   | 0         | 0         | 100000        | 0           | 0         |
| 4       | GOI project "Hymenoptera: Apidae (Apini, Megachilini, Osmini) " under Dr. Neelima R. Kumar, Department of Zoology (Rs.23,76,480/- for three years)   | 0         | 0         | 673000        | 19429       | 19429     |
| 5       | GOI Project entitled "Securing Chickpea Productivity under contemporary Abiotic Stressess" under Prof. Harsh Nayyar, Department of Botany (Rs.32,34,000/- for three years)   | 0         | 0         | 360000        | 200000      | 200000    |
| 6       | GOI Project "SSA Monitoring of Sarv Shiksha Abhiyan and Mid-day Meal<br>Programme by the Monitoring Instt.under Dr Jatinder Grover, Deptt. of USOL   | 465000    | 0         | 200000        | 0           | 0         |

|    |  |           |           | Estimates for | the current | Estimates |
|----|--|-----------|-----------|---------------|-------------|-----------|
|    | Heads of Income  | Actua     | ıls of    | year 201      | 6-2017      | for       |
|    |  | 2014-2015 | 2015-2016 | Original      | Revised     | 2017-2018 |
|    |  | Rs.       | Rs.       | Rs.           | Rs.         | Rs.       |
| 18 | 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    | 0         | 193000    | 75000         | 0           | 30000     |
| 19 | 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                                      | 0         | 350000    | 100000        | 0           | 0         |
| 20 | GOI Research Project entitled "Aquatic fungal diversity of the hill streams of Himachal Pardesh Monographic study and its invtiro screening for lignocelluloytic Enzymes" under Dr. I.B. Prasher, Department Botany                  | 0         | 1600000   | 600000        | 0           | 600000    |
| 21 | GOI Research Project entitled "Carts: Communication Assisted Road Transpiration System" under Dr. Naveen Aggarwal, Department UIET   | 0         | 561000    | 650000        | 0           | 600000    |
| 22 | GOI (ICPR) Research Project entitled "Ethnic Identity Nationalism & Culture:<br>Phenomenological Grounding for otherness in North East India " under Dr. Reena<br>Patra, Centre for Swami Vivekananda Studies                        | 0         | 500000    | 500000        | 0           | 500000    |
| 23 | GOI Research Project entitled "Social Audit of Punjab Mid day Meal Society " under Dr. Jatinder Grover, Department USOL  | 134550    | 313950    | 150000        | 0           | 0         |
| 24 | GOI Research Project entitled "Ground Water Management & Regulation " under XEN  | 23130099  | 0         | 0             | 0           | 0         |
| 25 | GOI Research Project entitled "Evaluation of Mid Day Meal Scheme" under Dr. Kanwalpreet Kaur, Department of Education  | 0         | 391230    | 0             | 0           | 0         |
| 26 | GOI (ICPR) Research Project entitled "Theory of Meaning a Comparative Study of Wittgenstein and Nagarjuna" under Dr. Geeta Manaktala, Department of Philosophy   | 0         | 500000    | 0             | 500000      | 0         |
| 27 | 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         | 6620000   | 0             | 700000      | 600000    |
| 28 | 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         | 1910000   | 0             | 700000      | 700000    |

|    |  |           |           | Estimates for | the current        | Estimates |
|----|--|-----------|-----------|---------------|--------------------|-----------|
|    | Heads of Income  | Actua     | als of    | year 201      | year 2016-2017 for |           |
|    |  | 2014-2015 | 2015-2016 | Original      | Revised            | 2017-2018 |
|    |  | Rs.       | Rs.       | Rs.           | Rs.                | Rs.       |
| 29 | GOI (CCRH) Research Project entitled "Evaluation of antimalarial efficacy of some homoeopathic drugs in experimental visceral leishmaniasis " under Dr. Sukhbir Kaur, Department of Zoology  | 0         | 0         | 0             | 1787900            | 1700000   |
| 30 | GOI (CCRH) Research Project entitled "Evaluation of anti-malarial efficacy of some homoeopathic drugs against Plasmodium falciparum in-vitro and against Plasmodium berghei in-vivo" under Dr. Upma Bagai, Department of Zoology         | 0         | 0         | 0             | 3397920            | 1600000   |
| 31 | GOI (MEITY) Research Project entitled "Development of Unified IP Based Communication Platform for Voice, Video, Data, Messaging and Chat Services" under Dr. Sakshi Kaushal, Department of UIET  | 0         | 0         | 0             | 2000000            | 1300000   |
|    | Department of Atomic Energy  |           |           |               |                    |           |
| 32 | DAE (Seminar)  | 1913660   | 0         | 5000000       | 1500000            | 2000000   |
| 33 | NBHM (Symposium / Honorarium/ Seminars)  | 0         | 360000    | 3000000       | 1500000            | 2000000   |
| 34 | NBHM Library Grant   | 1987016   | 2499869   | 0             | 3000000            | 3000000   |
| 35 | UGC-DAE Collaborative Research Scheme entitled 'Study of Asenk and selenium toxicity using neutron activation analysis under Dr.Alok Srivastava, Department of Chemistry, P.U.   | 18030     | 0         | 0             | 0                  | 0         |
| 36 | DAE Research project entitled "The Resistive Plant chamber Development for INO Project" under Dr. Vipin Bhatnagar, Deptt. of Physics, P.U., Chandigarh   | 0         | 0         | 0             | 0                  | 0         |
| 37 | "Study of telomerare as a possible Chemopreventive target for the non-styeroical anti-inflammatory drugs in experimental colon cancer" under Prof.S.N.Sanyal, Department of Biophysics.  | 0         | 0         | 0             | 0                  | 0         |
| 38 | Characterization of MT isolated from as treated reate for toxicity and sensor application" under Dr M.L. Garg Bio-Physics, P.U. Chandigarh   | 0         | 0         | 0             | 0                  | 0         |
| 39 | NBHM Grant TA/DA   | 0         | 0         | 2000000       | 2000000            | 2000000   |
| 40 | DAE Research Project entitled "Latent fingerprint detection in forensic application utilising inorganic nanoparticles synthesis and characterization" under Dr. Vishal Sharma, Department of Institute of Forensic Science & Criminology | 216000    | 0         | 0             | 0                  | 0         |
| 41 | DAE Research Project entitled "Spin distribution measurement a probe to understand the reaction mechanism of medium mass systems" under Dr. B.R Behra, Department of Physics   | 255400    | 0         | 0             | 0                  | 0         |

|    |  |           |           | Estimates for the current |         | Estimates |
|----|--|-----------|-----------|---------------------------|---------|-----------|
|    | Heads of Income  | Actua     | ds of     | year 2016-2017            |         | for       |
|    |  | 2014-2015 | 2015-2016 | Original                  | Revised | 2017-2018 |
|    |  | Rs.       | Rs.       | Rs.                       | Rs.     | Rs.       |
| 42 | DAE Research Project entitled "Investigation of uranium mobilization from subsurface sediments by effect of bicarbonate and other ions in groundwater of Malwa Region of Punjab State in India" under Prof. D. Mehta, Deptt.of Physics | 243400    | 0         | 255400                    | 255400  | 0         |
| 43 | DAE Research Project entitled "Study of metal interactions with metallothionein and glutathione by ion beam analysis" under Prof. M. L. Garg, Department of Bio-Physics  | 0         | 415800    | 415800                    | 315000  | 0         |
| 44 | DAE Research Project entitled "Investigation of source of uranium and its geo chemical Isoloate techniques" under Dr. Madhuri Rishi, Deaprtment of Environmental Studies   | 1062650   | 541203    | 626200                    | 626200  | 0         |
| 45 | DAE Research Project entitled "Study of fragmentation in thermal bath and systematic in heavy-ion collisions at intermediate energies" under Dr. Sakshi Gautam, Department of Physics  | 1233550   | 0         | 358950                    | 333150  | 358950    |
| 46 | DAE Research Project entitled "Strain induced modification heterostructure" under Dr. Sunil Arora, Centre of Nano Science & Nano Technology  | 0         | 246600    | 246600                    | 405000  | 405000    |
| 47 | DAE Research Project entitled "Electronic structure investigation of mixed Cu-Co ferrospinels (Mfe2O4-type): XAFS Study" under Dr. Sanjeev Gautam, Department of Physics   | 0         | 246600    | 246600                    | 246600  | 33750     |
| 48 | DAE Research Project entitled "Element Analysis of Coal and fly ash from coal fired thermal power plants using PIXE and PIGE techniques  |           |           |                           |         |           |

| Heads of Income |           |           |          |         | Estimates for |
|-----------------|-----------|-----------|----------|---------|---------------|
|                 | 2014-2015 | 2015-2016 | Original | Revised | 2017-2018     |
|                 | Rs.       | Rs.       | Rs.      | Rs.     | S.            |

|                 |           |                           | Estimates for the current |         | Estimates |
|-----------------|-----------|---------------------------|---------------------------|---------|-----------|
| Heads of Income | Actu      | Actuals of year 2016-2017 |                           | for     |           |
|                 | 2014-2015 | 2015-2016                 | Original                  | Revised | 2017-2018 |
|                 | Rs. Rs.   |                           | Rs.                       | Rs.     | Rs.       |

|    |   |           |           | Estimates for | the current | Estimates |
|----|---|-----------|-----------|---------------|-------------|-----------|
|    | Heads of Income   | Actua     | ds of     | year 201      | 6-2017      | for       |
|    |   | 2014-2015 | 2015-2016 | Original      | Revised     | 2017-2018 |
|    |   | Rs.       | Rs.       | Rs.           | Rs.         | Rs.       |
| 4  | CSIR research Project entitled ,"In Silico studies of the Conformational changes and aggregation of polyamine peptides in relevance to occulophyrangeal muscular dystrophy and designing of Inhibitors" under Prof. F.S. Nandel Deptt of Biophysics (3 years)       | 0         | 0         | 0             | 947525      | 0         |
| 5  | CSIR Research Project entitled " Studies on the role of matrix metallo proteinases in increased blood brain barrier permeability in experimental diabetes" under Dr. Rajat Sandhir, Department of Bio-Chemistry, P.U. Chd   | 472124    | 0         | 0             | 0           | 0         |
| 6  | CSIR Research Project entitled "Synthesis and characterization of boron nitride nano tubes with different morphology and sizes"under Dr. Sonal Singhal, Department of Chemistry, P.U. Chd   | 109667    | 0         | 0             | 0           | 0         |
| 7  | CSIR Research Project entitled "Development and evaluation of <sup>99m</sup> Tc labeled finesteride and its related analogues for early detection of tumors/cancer in experimental model of prostate carcinogenesis" under Vijayta D. Chadha, Department of Physics | 265638    | 0         | 0             | 67450       | 0         |
| 8  | CSIR project entitled "A study of Rogers-Ramanujan type identities from the combination identities" under Prof. A.K. Aggarwal, Department of Mathematics  | 240000    | 52401     | 0             | 0           | 0         |
| 9  | CSIR Research Project entitled "De novo trncriptome sequencing of chlorophytum borivilianum using RNA-seq technology" under Dr. Kashmir Singh, Department of Bio-Technology   | 426838    | 399005    | 0             | 0           | 0         |
| 10 | CSIR Project entitled "Niosomes as a potential carrier for controlled release of liable and poorly water-soluble drugs" under Dr.S.K. Mehta, Department of Chemistry  | 732000    | 735871    | 0             | 0           | 0         |
| 11 | CSIR Research Project entitled "Exploring Biochemcial and Molecular Mechanism Underlying the role of Nitric Oxide in Regulating Plant Root Formation" under Dr. Harminder Pal Singh, Department of Environment Studies, Panjab University, Chandigarh               | 65670     | 0         | 0             | 0           | 0         |

**Estimates** 

|    |   |            |           | <b>Estimates for</b> | the current | Estimates |
|----|---|------------|-----------|----------------------|-------------|-----------|
|    | Heads of Income   | Actuals of |           | year 201             | 6-2017      | for       |
|    |   | 2014-2015  | 2015-2016 | Original             | Revised     | 2017-2018 |
|    |   | Rs.        | Rs.       | Rs.                  | Rs.         | Rs.       |
| 20 | CSIR Research Project entitled "Microwave Assisted Green Synthesis of shape | 394500     | 0         | 355400               | 297800      | 192100    |

- 20 CSIR Research Project entitled "Microwave Assisted Green Synthesis of shape mameory Bio-degradable Polyurethane and their Nano Composities" under Prof. (Mrs.) Anupama Sharma Nee Kaushik, Department of UICET, Panjab University, Chandigarh
- 21 CSIR Research Project entitled "Phenomenological Fermion Mass Matrices and Flavor Mixings" under Dr. M.M. Gupta, Department of Physics

|    | Heads of Income  | Actua               | ls of   | Estimates for year 201 |         | <b>Estimates</b> for |
|----|--|---------------------|---------|------------------------|---------|----------------------|
|    |  | 2014-2015 2015-2016 |         | Original               | Revised | 2017-2018            |
|    |  | Rs.                 | Rs.     | Rs.                    | Rs.     | Rs.                  |
| 30 | AICTE Project "Career Award for Young Teacher  | 0                   | 0       | 3000000                | 2000000 | 3000000              |
| 31 | AICTE Project "Formulation of studies of Novel nano-structured delivery system of antipsoriatic drugs" under Prof. O.P. Katare   | 0                   | 0       | 0                      | 0       | 0                    |
| 32 | AICTE Seminar Grant  | 0                   | 0       | 4000000                | 2000000 | 3000000              |
| 33 | Indian Council of Agricultural Research  | 0                   | 0       | 4000000                | 4000000 | 4000000              |
| 34 | Indian Council for Social Science Research (Seminar/Schoarship/Projects)   | 3338287             | 5233531 | 4000000                | 3000000 | 2000000              |
| 35 | ICSSR Project entitled " Demonolithing scheduled Caste Population in India" under Prof. Surya Kant, Department of Geography  | 0                   | 436000  | 300000                 | 260000  | 0                    |
| 36 | ICSSR Project entitled "Psychological Correlates of Caste Stigma among Dalit Students: Intervention to Modulate" under Dr. Roshan Lal, Department of Psychology  | 0                   | 0       | 900000                 | 600000  | 900000               |
| 37 | 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       | 1080000                | 720000  | 720000               |
| 38 | Indian National Science Academy  | 269601              | 550516  | 3000000                | 2000000 | 2000000              |
| 39 | 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) | 103320              | 0       | 0                      | 344400  | 0                    |

|    |   |                  |                           | <b>Estimates for</b> | the current | Estimates |
|----|---|------------------|---------------------------|----------------------|-------------|-----------|
|    | Heads of Income   |                  | Actuals of year 2016-2017 |                      | for         |           |
|    |   | 2014-2015        | 2015-2016                 | Original             | Revised     | 2017-2018 |
|    |   | Rs.              | Rs.                       | Rs.                  | Rs.         | Rs.       |
| 45 | AICTE Research Project entitled "Modernization of Polymer Nano-Composites Lab" under Dr. Anupama Sharma, Department of UICET  | 0                | 0                         | 0                    | 280000      | 0         |
| 46 | AICTE Research Project entitled "AICTE Carrer Award for Young Teacher (CAYT)" under Dr. Anurag Kuhad, Department of UIPS  | 50000            | 0                         | 50000                | 50000       | 50000     |
| 47 | ICAR Research Project entitled "Extraction and Micro-encapsulation of<br>Nutraceutical for Effective Delivery into Different Food Matrices" under Dr. Gargi<br>Ghoshal, Department of UICET   | 426439           | 365815                    | 0                    | 89540       | 0         |
| 48 | 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                | 2449720                   | 1669500              | 2471280     | 1703520   |
| 49 | ICSSR Research Project entitled "Sexual harassment of women at workplace with special reference to educational institutions in Chandigarh" under Dr. Babita Devi, Department of Law   | 0                | 140000                    | 0                    | 140000      | 70000     |
| 50 | ICSSR Research Project entitled Post Doctrol Fellowship "A Study of motivational pedegogical beliefs, informal faculty leadership & organisational teachers for brining institutional charges" under Dr. Upasana Thapliyal, Department of Education | 0                | 0                         | 0                    | 356000      | 356000    |
| 51 | 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                         | 0                    | 520000      | 520000    |
| 52 | ICSSR Research Project entitled Post Doctoral Fellowshi 0 14orbic Causes & consequences" under Dr.Sumit Kumar, Department of Economics  | dity in India: 0 | 0                         | 0                    | 356000      | 356000    |
| 53 | ICSSR Research Project entitled Post Doctoral Fellowshi 0 14thnic Nationalism & Culture : Phenomeological grounding f   | e identity,      |                           |                      |             |           |
| 54 | DST Research Project entitled "Control of aquatic weeds, 271.68(0)-3hysic-chemical parameters and biodiversity of Sukhna Lake, Chandigarh" under Dr. Y.K. Rawal, Department of Zoology  | 297390           | 0                         | 198260               | 0           | 0         |

|    |  |           |           | <b>Estimates for the current</b> |         | Estimates |  |
|----|--|-----------|-----------|----------------------------------|---------|-----------|--|
|    | Heads of Income  | Actua     | als of    | year 2016-2017                   |         | for       |  |
|    |  | 2014-2015 | 2015-2016 | Original                         | Revised | 2017-2018 |  |
|    |  | Rs.       | Rs.       | Rs.                              | Rs.     | Rs.       |  |
| 55 | DST Research Project entitled "Knowledge and Attitude of Chandigarh Physical Education School Teachers with regards to emergency management of dental trauma" under Dr. Leena Verma, Kumar, HS Judge Institute of Dental Sciences, Sector-25, Chandigarh   | 45000     | 0         | 0                                | 0       | 0         |  |
| 56 | DST 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   | 50000     | 0         | 0                                | 0       | 0         |  |
| 57 | DST 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   | 30000     | 0         | 0                                | 0       | 0         |  |
| 58 | DST 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 | 30000     | 0         | 0                                | 0       | 0         |  |
| 59 | DST 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                                 | 381800    | 0         | 0                                | 0       | 0         |  |
| 60 | DST Research project entitled "Removal and recovery of heavy metals from waste   |           |           |                                  |         |           |  |

|    |  |            |           | <b>Estimates for the current</b> |         | Estimates |
|----|--|------------|-----------|----------------------------------|---------|-----------|
|    | Heads of Income  | Actuals of |           | year 2016-2017                   |         | for       |
|    |  | 2014-2015  | 2015-2016 | Original                         | Revised | 2017-2018 |
|    |  | Rs.        | Rs.       | Rs.                              | Rs.     | Rs.       |
| 64 | DST project entitled "Cycloxygenase-independent inhibition of Colon Cancer by Non-Steroidal Anti-Inflammatory Drugs: Exploring the PPARy/Akt/NFkB Pathways" under Dr.S.N. Sanyal, Deptt.of Biochemistry (Rs.31,14,400/- for 3 years w.e.f.29.1.2009)                     | 0          | 0         | 19280                            | 19280   | 19280     |
| 65 | DST SERB Research project entitled "Chemo-profiling, functional characterization and novel synthesis of cyclopentyl bis-indole alkaloids as novel antimalarials and antileishmanial agents" under Dr. C. Kuppusamy, Department of Zoology, Panjab University, Chandigarh | 700000     | 0         | 500000                           | 0       | 0         |
| 66 | DST Research project entitled "Novel condensed h   |            |           |                                  |         |           |

|                 |           | <b>Estimates for the current</b> |          | <b>Estimates</b> |           |
|-----------------|-----------|----------------------------------|----------|------------------|-----------|
| Heads of Income | Act       | Actuals of                       |          | 016-2017         | for       |
|                 | 2014-2015 | 2015-2016                        | Original | Revised          | 2017-2018 |
|                 | Rs.       | Rs.                              | Rs.      | Rs.              | Rs.       |

<sup>76</sup> DST Project (WOS) "Rhizoremediation: utilizing the synergy between plants &

|    |   |            |           | Estimates for the curre |         | nt Estimates |  |
|----|---|------------|-----------|-------------------------|---------|--------------|--|
|    | Heads of Income   | Actuals of |           | year 2016-2017          |         | for          |  |
|    |   | 2014-2015  | 2015-2016 | Original                | Revised | 2017-2018    |  |
|    |   | Rs.        | Rs.       | Rs.                     | Rs.     | Rs.          |  |
| 87 | 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 | 500000     | 0         | 500000                  | 200000  | 0            |  |
| 88 | DST FIST programme in the Deptt. Of Biotechnology   | 0          | 1274739   | 400000                  | 1000000 | 500000       |  |
| 89 | DST project entitled "Fluorescent molecular probes based on 1,10- phenanthroline-metal comilexes" under Dr. Navneet kaur, Department of Chemistry   | 0          | 400000    | 500000                  | 604624  | 100000       |  |

<sup>90</sup> DST (SERB) project entitled "Role of calenxin in hyperoxl

|    |   |           |             | Estimates for the current |         | Estimates |
|----|---|-----------|-------------|---------------------------|---------|-----------|
|    | Heads of Income   | Actua     | als of year |                           | 16-2017 | for       |
|    |   | 2014-2015 | 2015-2016   | Original                  | Revised | 2017-2018 |
|    |   | Rs.       | Rs.         | Rs.                       | Rs.     | Rs.       |
| 97 | DST Research project entitled "Collaboration by Indian Physicists on Neutrino | 2140421   | 7000000     | 5000000                   | 3500000 | 3000000   |
|    | Projects" under Vipin Bhatnagar, Department of Physics                        |           |             |                           |         |           |

|     |  |           |                           | Estimates for the current |                | Estimates |
|-----|--|-----------|---------------------------|---------------------------|----------------|-----------|
|     | Heads of Income  | Actua     | Actuals of year 2016-2017 |                           | year 2016-2017 |           |
|     |  | 2014-2015 | 2015-2016                 | Original                  | Revised        | 2017-2018 |
|     |  | Rs.       | Rs.                       | Rs.                       | Rs.            | Rs.       |
| 109 | SERB Research Project entitled "Effect of fish oil on chemotherapeutic efficacy of 5-flurouracil in experimental colon carcinogenesis"under Navneet Agnihotri, Department of Bio-Chemistry | 300000    | 800000                    | 500000                    | 300000         | 500000    |
| 110 | SERB Research Project entitled Polymorphs and cocrystals of some natural bioactive flavonoids-prepartion, characterization and evaluation" under Dr. Renu Chadha, Department of UIPS       | 0         | 700000                    | 550000                    | 300000         | 250000    |
| 111 | SERB Research Project entitled "Hard Part of Indian Freshwater Fishes, Their use in Fishery management   | 460000    | 0                         | 0                         | 0              | 0         |
| 112 | SERB Research Project entitled "Development & standardization of a polyherbal memory enhancing formulation with modern drug delivery system" under Dr. Jai Malik, Department of UIPS       | 150000    | 350000                    | 400000                    | 150000         | 150000    |
| 113 | SERB Research Project entitled "Self aggregation behaviour of synthesized metallosurfacantsfabrication." Under Dr. S.K.Mehta, Department of Chemistry                                      | 0         | 0                         | 500000                    | 500000         | 340000    |

|     |  |           |           | Estimates for  | r the current | Estimates |
|-----|--|-----------|-----------|----------------|---------------|-----------|
|     | Heads of Income  | Actua     | als of    | year 2016-2017 |               | for       |
|     |  | 2014-2015 | 2015-2016 | Original       | Revised       | 2017-2018 |
|     |  | Rs.       | Rs.       | Rs.            | Rs.           | Rs.       |
| 120 | DST Policy Research Centre under Dr. Rupinder Tiwari   | 0         | 4000000   | 5000000        | 4000000       | 4000000   |
| 121 | DST Research Project entitled "Nanoparticle Mediated Targeting of Bacteria using   | 0         | 800000    | 700000         | 798000        | 700000    |
|     | Cell Penetrating Peptides" under Dr. Rohit Kumar Sharma, Department of Chemistry   |           |           |                |               |           |
| 122 | DST FIST Programme in Department of Pharmaceutical Science, Panjab University, Chandigarh  | 9040000   | 0         | 6500000        | 900000        | 600000    |
| 123 | DST Research project entitled "Identification and characterization of novel biomarkers of chronic copper toxicity elicited neurodegenration and cognitive waning from cerebrospinal fluid of Wistar rat model for non-wilsonian brain copper toxicosis" under Dr. Amit Pal, Department of Bio-Chemistry, Panjab University, Chandigarh | 682000    | 0         | 100000         | 682000        | 682000    |
| 124 | DST Research project entitled "Collective clusterization in the decay of hot and rotating compound necleus" under Ms. Sahila Chopra, Department of Physics, Panjab University, Chandigarh  | 308000    | 500000    | 200000         | 500000        | 300000    |

DST Research project entitled "Compact Muon Solenoid (CMS) Upgrade,
Operation and Utilization" under Dr. J.B. Singh & Prof. (Ms.) Manjit Kaur,
Department of Phy4(e)3.68691(p)0.1830487 0 Td [m(2(1)4.29122(m)efi65o63Pf3;68691(p)0.16s379(P)-3.3171,4491(t)4.2685.93(e)3922(t)-555.026(K)7.978131(2)0.1844j711
Panjab Universit,

Estimates
Heads of Income for

|                 |           |           | Estimates fo | r the current | Estimates |
|-----------------|-----------|-----------|--------------|---------------|-----------|
| Heads of Income |           |           |              |               | for       |
|                 | 2014-2015 | 2015-2016 | Original     | Revised       | 2017-2018 |
|                 | Rs.       | Rs.       | Rs.          | Rs.           | Rs.       |

|     |  |           |           | Estimates for the current |         | Estimates |
|-----|--|-----------|-----------|---------------------------|---------|-----------|
|     | Heads of Income  | Actua     | als of    | year 2016-2017            |         | for       |
|     |  | 2014-2015 | 2015-2016 | Original                  | Revised | 2017-2018 |
|     |  | Rs.       | Rs.       | Rs.                       | Rs.     | Rs.       |
| 150 | DST (SERB) Research project entitled "Evaluation of Therapeutic potential of Human Intestinal alpha Defensin -5 against Colorectal Cancer" under Dr. Simran Preet Kaur, Department of Bio-Physics Panjab University, Chandigarh  | 0         | 1550000   | 0                         | 750000  | 700000    |
| 151 | DST (SERB) Research project entitled "Study on epigenetic modulation of Nuclear factor (erythroid-derived 2) – like 2 and Kelch – like ECH-Associated Protein 1 in Systemic Lupus erythematosus" under Prof. Archana Bhatnagar, Department of Bio-Chemistry, Panjab University, Chandigarh | 0         | 0         | 0                         | 2895000 | 890000    |
| 152 | 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         | 0         | 0                         | 1901666 | 627000    |
| 153 | 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         | 0                         | 3840000 | 340000    |
| 154 | DST (SERB) Research project entitled "Utilization of fungi for bioremediation and biotreatment of industrial waste waters" under Dr. Ra2De   |           |           |                           |         |           |

|                 |            |           | <b>Estimates for the current</b> |         | Estimates |
|-----------------|------------|-----------|----------------------------------|---------|-----------|
| Heads of Income | Actuals of |           | year 2016-2017                   |         | for       |
|                 | 2014-2015  | 2015-2016 | Original                         | Revised | 2017-2018 |
|                 | Rs.        | Rs.       | Rs.                              | Rs.     | Rs.       |

<sup>159</sup> DST (SERB) Research project entitled "Studies on

|     |  |           |                   | <b>Estimates for the current</b> |         | Estimates |
|-----|--|-----------|-------------------|----------------------------------|---------|-----------|
|     | Heads of Income  | Actua     | <b>Actuals of</b> |                                  | 6-2017  | for       |
|     |  | 2014-2015 | 2015-2016         | Original                         | Revised | 2017-2018 |
|     |  | Rs.       | Rs.               | Rs.                              | Rs.     | Rs.       |
| 173 | DBT Open Fellowship to Ms. Minu Singh Deptt. of Human Genome   | 399813    | 0                 | 400000                           | 400000  | 400000    |
| 174 | DBT Open Fellowship to Ms. Mayank Chaudhary, Deptt. of UIPS    | 430184    | 306000            | 500000                           | 0       | 100000    |
| 175 | DBT Open Fellowship to Ms. Pratibha Mann                       | 0         | 663678            | 0                                | 0       | 365000    |
| 176 | DBT Open Fellowship to Nidarshana, Department of Bio-Chemistry | 366800    | 748400            | 400000                           | 626000  | 700000    |
| 177 | DBT Open Fellowship  | 0         | 558145            | 0                                | 1200000 | 1400000   |

DBT project entitled "Screening, Production and Characterization of Novel, Bioactive Fungal Exopolysaccharides (EPS) of various Industrial Applications under

|     | Heads of Income  |           |           | Estimates for the current |         | Estimates |  |
|-----|--|-----------|-----------|---------------------------|---------|-----------|--|
|     | Heads of Income  | Actua     | ds of     | year 2016-2017            |         | for       |  |
|     |  | 2014-2015 | 2015-2016 | Original                  | Revised | 2017-2018 |  |
|     |  | Rs.       | Rs.       | Rs.                       | Rs.     | Rs.       |  |
| 186 | DBT project entitled "Studies on aptamer based ellectrochemical biosensor for the detection of Mycobacterium tuberculosis under Dr.Nirmal Prabhakar, Department of Bio-Chemistry           | 333300    | 517900    | 500000                    | 500000  | 70000     |  |
| 187 | DBT project entitled"Biorefinery for cost effective bioethanol Production from Biodegradable Municipal Solid Waste: TechnologyPilot Scale" under Dr. S.K. Soni, Department of Microbiology | 0         | 0         | 1100000                   | 0       | 0         |  |
|     |  |           |           |                           |         |           |  |

188 DBT project enrent

|     |   |           |           | Estimates for | Estimates |           |
|-----|---|-----------|-----------|---------------|-----------|-----------|
|     | Heads of Income   | Actu      | als of    | year 201      | 6-2017    | for       |
|     |   | 2014-2015 | 2015-2016 | Original      | Revised   | 2017-2018 |
|     |   | Rs.       | Rs.       | Rs.           | Rs.       | Rs.       |
| 196 | DBT project entitled "Small molecule inhibitors of indoleamine 2,3-dioxygenase: | 0         | 2110000   | 1860000       | 1900000   | 2000000   |

- 196 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
- 197 DBT project entitled "Isolation, 3-d structural characterization" under Dr. Desh

|                 |            |           | Estimates for the current |         | Estimates |  |
|-----------------|------------|-----------|---------------------------|---------|-----------|--|
| Heads of Income | Actuals of |           | year 2016-2017            |         | for       |  |
|                 | 2014-2015  | 2015-2016 | Original                  | Revised | 2017-2018 |  |
|                 | Rs.        | Rs.       | Rs.                       | Rs      | Rs        |  |

|    |  |           |            | <b>Estimates for the current</b> |         | Estimates         |
|----|--|-----------|------------|----------------------------------|---------|-------------------|
|    | Heads of Income  | Actua     | Actuals of |                                  | 6-2017  | for               |
|    |  | 2014-2015 | 2015-2016  | Original                         | Revised | 2017-2018         |
|    |  | Rs.       | Rs.        | Rs.                              | Rs.     | Rs.               |
| V) | SCHOLARSHIPS ETC.  |           |            |                                  |         |                   |
|    | Scholarships, Stipends and other Financial Assistance for students from: |           |            |                                  |         |                   |
| 1  | Govt. of India   | 111275    | 312330     | 300000                           | 300000  | 315000            |
| 2  | State Governments  |           |            |                                  |         |                   |
|    | (a) Punjab   | 4190808   | 0          | 6000000                          | 6500000 | 7000000           |
|    | (b) Haryana  | 86400     | 9000       | 500000                           | 500000  | 85943(0)-3284.32( |

 $401.49272 (c) 2e \ f \ q \ 83t Orerta 97 (a) 3.68618 (i) 4.29122 ((e) 3.68691 (1 (j) -7.6091 r1 ()) -0.210639 (\ )0686 (t) 4.29122 (i4 \ Td \ [3A) -316) 0.183033 (5) -3212.93 (0) -4212.53 (9) 0.183038 (0) 0.18303 (0) 0.1$