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| **21. Question No. 50** |
| **Sl. No.** | **Area of Consultancy** | **Department involved in consultancy** | **Name of Consultancy Project** |
| 1 to 10 | 10 masters students from various colleges completed their Project work at AMMRC | Advanced Molecular Materials Research Centre | Masters Project work of students from various colleges |
| 11 | Maintaining Kerala’s Tourism Destinations with Minimal Disaster Risk: A Geographic Approach | School of Tourism Studies | Tourism |
| 12 | Creation of data bank of classification of land with special emphasis on soil -Department of Soil Survey & Soil conservation, Govt. of Kerala | School of Environmental Sciences | Soil Survey & Soil conservation |
| 13 | ICP-MS analysis  | School of Environmental Sciences | ICP-MS analysis -Various institutions |
| 14 | GC-MS/LC-MS analysis | School of Environmental Sciences | GC-MS/LC-MS analysis -Various institutions |
| 15 | Consultancy services to Muziris Heritage Project | School of Gandhian Thought & Development Studies | Muziris Heritage Project |
| 16 | Consultancy services to Kerala Institute of Local Administartion | School of Gandhian Thought & Development Studies | Services to Kerala Institute of Local Administartion |
| 17 | IR Spectrophotometer | School of Chemical Sciences | Analysis using IR Spectrophotometer |
| 18 | UV-vis. Spectrophotometer | School of Chemical Sciences | Electronic Spectral Analysis using PL & UV-VisUV-vis. Spectrophotometer |
| 19 | Scanning Electron Microscope | School of Chemical Sciences | Scanning Electron Microscope Analysis |
| 20 | Dynamic Light Scattering | School of Chemical Sciences | Dynamic Light Scattering |
| 21 | GC-MS | School of Chemical Sciences | GC-MS |
| 22 | Microwave Analysis | School of Chemical Sciences | Microwave Analysis |
| 23 | Disability Rehabilitation Early Assessment and Management Services (DREAMS) | Inter University Centre for Disability Studies | DREAMS |
| 24 | AmanPrakashan | Dept of Printing & Publishing | Co Publishing |
| 25 | Ane Books Pvt. Ltd.  | Dept of Printing & Publishing | Co Publishing |
| 26 | Cosmo Books  | Dept of Printing & Publishing | Co Publishing |
| 27 | LokbhartiPrakashan | Dept of Printing & Publishing | Co Publishing |
| 28 | Macmillan Publishers India Pvt. Ltd.  | Dept of Printing & Publishing | Co Publishing |
| 29 | Orient Blackswan Pvt. Ltd.  | Dept of Printing & Publishing | Co Publishing |
| 30 | RajkamalPrakashan | Dept of Printing & Publishing | Co Publishing |
| 31 | SahithyaPravarthaka Co-op. Society  | Dept of Printing & Publishing | Co Publishing |
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| 32 | HRTEM-Polymer Science and Rubber Technology, CUSAT, Kochi | IIUCNN | HRTEM |
| 33 | HRTEM-Amrita VishwaVidyapeetham University, Coimbatore | IIUCNN | HRTEM |
| 34 | HRTEM-CIPET : IPT – Bhubaneswar | IIUCNN | HRTEM |
| 35 | HRTEM-Nationel Institute of Technology, Calicut, Kerala | IIUCNN | HRTEM |
| 36 | HRTEM-Kerala Forest Research Institute (KFRI), Trissur, Kerala | IIUCNN | HRTEM |
| 37 | HRTEM-SreeChitraTirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala | IIUCNN | HRTEM |
| 38 | HRTEM-Osmania University, Amberpet, Hyderabad | IIUCNN | HRTEM |
| 39 | HRTEM-Nationel Institute of Technology, Silcher, Assam | IIUCNN | HRTEM |
| 40 | HRTEM-St Teresa's College (Autonomous), Kochi, kerala | IIUCNN | HRTEM |
| 41 | HRTEM-Mar Athanasius College, Kothamangalam, Kerala | IIUCNN | HRTEM |
| 42 | HRTEM-Catholicate College, Pathanamthitta, Kerala | IIUCNN | HRTEM |
| 43 | HRTEM-TKM College of Engineering, Kollam, Kerala | IIUCNN | HRTEM |
| 44 | HRTEM-University of Madras, Chennai, Tamil Nadu | IIUCNN | HRTEM |
| 45 | HRTEM-AmalJyothi College of Engineering, Kanjirappally, Kerala | IIUCNN | HRTEM |
| 46 | HRTEM-Sree Buddha College of Engineering, Padanilam, Kerala | IIUCNN | HRTEM |
| 47 | HRTEM-Maharaja's College, Ernakulam | IIUCNN | HRTEM |
| 48 | HRTEM-CMS College, Kottayam, Kerala | IIUCNN | HRTEM |
| 49 | HRTEM-Central University of Kerala | IIUCNN | HRTEM |
| 50 | HRTEM-Birla Institute of Technology and Science, Pilani – Goa | IIUCNN | HRTEM |
| 51 | HRTEM-Dept of Physics, Kerala University, Trivandrum | IIUCNN | HRTEM |
| 52 | HRTEM-Department of Optoelectronics, Kerala University, Trivandrum | IIUCNN | HRTEM |
| 53 | HRTEM-Centre for Nanoscience, Kerala University, Trivandrum | IIUCNN | HRTEM |
| 54 | HRTEM-S B college, Changanassery, Kottyam, Kerala | IIUCNN | HRTEM |
| 55 | LC-MS/MS - Amrita Institute of Technology, Kollam | School of Environment Sciences | Non targeted analysis of Plant extract in methanol |
| 56 | Confocal Raman Spectrometer - Amrita Institute of Technology, Kollam | School of Environment Sciences | Non targeted analysis of Plant extract in methanol |
| 57 | LC-MS/MS - Nirmala College, Muvattupuzha | School of Environment Sciences | Analysis of synthesized organic compounds |
| 58 | Confocal Raman Spectrometer - Nirmala College, Muvattupuzha | School of Environment Sciences | Analysis of synthesized organic compounds |
| 59 | Fluorescence Spectrometer with life time Detector - Panjab University, Patiala | School of Environment Sciences | Analysis of zinc based compounds |
| 60 | Confocal Raman Spectrometer with AFM - Panjab University, Patiala | School of Environment Sciences | Analysis of zinc based compounds |
| 61 | Confocal Raman Spectrometer with AFM - CSIR-Central Electronics Engineering Research Institute (CEERI), Pilani, Rajasthan | School of Environment Sciences | Surface characterization of gold plated electronic circuits using Atomic Force Microscope. |
| 62 | LC-MS/MS - University of Calicut, Malappuram | School of Environment Sciences | Alkaloids and steroids of Ayurveda formulations, non targeted.  |
| 63 | Confocal Raman Spectrometer, with AFM - University of Calicut, Malappuram | School of Environment Sciences | Surface characterization of graphenenano sheets. |
| 64 | Confocal Raman Spectrometer with AFM - Dept. of Chemistry | School of Environment Sciences | Photoluminescence behavior of carbon dots and gold nano clusters |
| 65 | Fluorescence Spectrometer with life time Detector - Kerala University, Thiruvananthapuram, India | School of Environment Sciences | Photoluminescence behavior of carbon dots and gold nano clusters |
| 66 | Confocal Raman Spectrometer with AFM - Indian Institute of Tropical Meteorology (IITM), Pune, Maharashtra | School of Environment Sciences | Characterization and identification of compounds in the Aerosol using Confocal Raman Microscope and AFM.  |
| 67 | LC-MS/MS - National Institute of Technology, Calicut, Kerala | School of Environment Sciences | Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC. |
| 68 | Confocal Raman Spectrometer - National Institute of Technology, Calicut, Kerala | School of Environment Sciences | Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC. |
| 69 | Fluorescence Spectrometer with life time Detector - National Institute of Technology, Calicut, Kerala | School of Environment Sciences | Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC. |
| 70 | Confocal Raman Spectrometer with AFM - Centre for Water Resources Development and Management (CWRDM), Calicut, Kerala | School of Environment Sciences | Raman Imaging of Bacterial cells adsorbed on charcoal using Confocal Raman Microscope. |
| 71 | Confocal Raman Spectrometer with AFM - Centre for Water Resources Development and Management (CWRDM), Calicut, Kerala | School of Environment Sciences | Raman Imaging of Bacterial cells adsorbed on charcoal using Confocal Raman Microscope. |
| 72 | Fluorescence Spectrometer with life time Detector - Cochin University of Science and Technology, Kerala, India | School of Environment Sciences | Fluorescence decay study using TCSPC Measurement, Characterization graphene layers using Raman spectroscopy.  |
| 73 | Confocal Raman Spectrometer with AFM - Rani Durgavati University, Jabalpur, India | School of Environment Sciences | Surface characterization of polymer blend using AFM. |
| 74 | Confocal Raman Spectrometer with AFM - Karunya University, Coimbatore, India | School of Environment Sciences | Jackfruit Cellulose and commercial Cellulose characterization using Raman and AFM |
| 75 | Confocal Raman Spectrometer with AFM - Rani Durgavati University, Jabalpur, India | School of Environment Sciences | Surface characterization of polymer blend using AFM. |
| 76 | Fluorescence Spectrometer with life time Detector - Dept. of Physics, Kerala University, Thiruvananthapuram, India | School of Environment Sciences | Fluorescence emission studies using Fluorescence spectroscopy |
| 77 | Fluorescence Spectrometer with life time Detector - School of Chemical Sciences, M G University, Kottayam | School of Environment Sciences | Carbon Nano particle study using Raman spectrometer. |
| 78 | Confocal Raman Spectrometer with AFM - School of Chemical Sciences, M G University, Kottayam | School of Environment Sciences | Surface and mechanical properties of polymer blend using AFM. |
| 79 | Confocal Raman Spectrometer with AFM - School of Chemical Sciences, M G University, Kottayam | School of Environment Sciences | Metal Oxide Framework characterization using Raman spectroscope and Fluorescence spectroscope.  |
| 80 | Confocal Raman Spectrometer with AFM - Osmania University, Hyderabad, India | School of Environment Sciences | Graphene Nano layer characterization using AFM |
| 81 | Fluorescence Spectrometer with life time Detector - School of Environmental Sciences, M G University, Kottayam | School of Environment Sciences | Biosynthesised Ag nanoparticle characterization using AFM |
| 82 | Confocal Raman Spectrometer with AFM - Inter University Instrumentation Centre, M G University, Kottayam | School of Environment Sciences | Bio Cell imaging using Confocal Raman Microscope and PL |
| 83 | Fluorescence Spectrometer with life time Detector - School of Chemical Sciences, M G University, Kottayam | School of Environment Sciences | Carbon Nano particle study using Raman spectrometer. |
| 84 | Confocal Raman Spectrometer with AFM - Advance Centre of Environmental Studies and Sustainable Development, M G University, Kottayam | School of Environment Sciences | Surface and mechanical properties of polymer blend using AFM. |
| 85 | NCESS, Thiruvananthapuram | School of Environment Sciences | ICPMS analysis of sediment and water samples |
| 86 | SCS, MGU | School of Environment Sciences | TOC analysis |
| 87 | Department of civil engineering ,Rajiv Gandhi institute of technology , Kottayam | School of Environment Sciences | Heavy metal analysis of water sample- ICPMS |
| 88 | B C M College | School of Environment Sciences | ICPMS analysis of water samples |
| 89 | St Peters College, Kolenchery | School of Environment Sciences | ICPMS analysis |
| 90 | Nansen Environmental research centre, Kochi | School of Environment Sciences | Sediment grain size analysis of beach sediment |
| 91 | University of Kerala | School of Environment Sciences | Microwave digestion |
| 92 | SBS, MGU | School of Environment Sciences | ICPMS analysis |
| 93 | Rajiv Gandhi institute of technology , Kottayam | School of Environment Sciences | ICPMS analysis |
| 94 | University of Calicut | School of Environment Sciences | ICPMS analysis |
| 95 | Deva Matha college , Kuruvilagad | School of Environment Sciences | Phase contrast microscope |
| 96 | B C M College | School of Environment Sciences | ICPMS analysis |
| 97 | NCESS | School of Environment Sciences | ICPMS analysis |
| 98 | CUSAT | School of Environment Sciences | ICPMS analysis |
| 99 | Alphonsa college, Pala | School of Environment Sciences | Green auditing |
| **100 to 379 (280 Numbers**) | Testing and analysis - MA college,Kothamangalam | School of Pure and Applied Physics | Generated Income of Rs: 12150 |
| Testing and analysis - College of Pharmaceutical Science,Govt MC,TVM | School of Pure and Applied Physics | Generated Income of Rs: 6000 |
| Testing and analysis - MG College,TVM | School of Pure and Applied Physics | Generated Income of Rs: 8900 |
| Testing and analysis - SB College, Changanassery | School of Pure and Applied Physics | Generated Income of Rs: 13800 |
| Testing and analysis - IIRBS,MGU | School of Pure and Applied Physics | Generated Income of Rs: 10000 |
| Testing and analysis - St Thomas College,Pala | School of Pure and Applied Physics | Generated Income of Rs: 15400 |
| Testing and analysis - SCS, MGU | School of Pure and Applied Physics | Generated Income of Rs: 26500 |
| Testing and analysis - IIUCNN,MGU | School of Pure and Applied Physics | Generated Income of Rs: 12675 |
| Testing and analysis - Govt.College,Kottayam | School of Pure and Applied Physics | Generated Income of Rs: 2500 |
| Testing and analysis - IIT Hydrebad | School of Pure and Applied Physics | Generated Income of Rs: 3500 |
| Testing and analysis - St Thomas College,Ranni | School of Pure and Applied Physics | Generated Income of Rs: 400 |
| Testing and analysis - School of Bioscience,MGU | School of Pure and Applied Physics | Generated Income of Rs: 600 |
| Testing and analysis - CMS College,Kottayam | School of Pure and Applied Physics | Generated Income of Rs: 7900 |
| Testing and analysis - Cochin College,Kochi | School of Pure and Applied Physics | Generated Income of Rs: 5150 |
| Testing and analysis - Karappagam Higher Education,Coimbatore | School of Pure and Applied Physics | Generated Income of Rs: 2000 |
| Testing and analysis - CPAS,Puthuppally | School of Pure and Applied Physics | Generated Income of Rs: 3000 |
| Testing and analysis - AMMRC,MGU | School of Pure and Applied Physics | Generated Income of Rs: 8000 |
| Testing and analysis - St. Therasa's, Ernakulam | School of Pure and Applied Physics | Generated Income of Rs: 450 |
| Testing and analysis - Bharath MathaCollege,Thrikakkara | School of Pure and Applied Physics | Generated Income of Rs: 6250 |
| Testing and analysis - St Joseph's College,Moolamattom | School of Pure and Applied Physics | Generated Income of Rs: 3500 |
| Testing and analysis - Division of Physics,SAS,UIT,Chennai | School of Pure and Applied Physics | Generated Income of Rs: 2500 |
| Testing and analysis - St.Joseph's College of Pharmacy | School of Pure and Applied Physics | Generated Income of Rs: 2000 |
| Testing and analysis - DachaiyappanCollege,Chennai | School of Pure and Applied Physics | Generated Income of Rs: 2500 |
| Testing and analysis - Loyola College | School of Pure and Applied Physics | Generated Income of Rs: 2500 |
| Testing and analysis - DOP,University Of Calicut | School of Pure and Applied Physics | Generated Income of Rs: 3500 |
| Testing and analysis - UC College,Aluva | School of Pure and Applied Physics | Generated Income of Rs: 1300 |
| Testing and analysis - SES, MGU | School of Pure and Applied Physics | Generated Income of Rs: 2050 |
| Testing and analysis - CatholicateCollege,Pathanamthitta | School of Pure and Applied Physics | Generated Income of Rs: 8800 |
| Testing and analysis - POPU, Gujarat | School of Pure and Applied Physics | Generated Income of Rs: 2500 |
| Testing and analysis - Institute of Engineering and Technology | School of Pure and Applied Physics | Generated Income of Rs: 3500 |
| Testing and analysis - Cauvery College Of Women | School of Pure and Applied Physics | Generated Income of Rs: 4000 |
| Testing and analysis - Department of Polymer Science and Rubber Technology | School of Pure and Applied Physics | Generated Income of Rs: 1050 |
| Testing and analysis - TKM College of Engineering,Kollam | School of Pure and Applied Physics | Generated Income of Rs: 500 |
| Testing and analysis - TKM Arts And Science College,Kollam | School of Pure and Applied Physics | Generated Income of Rs: 7350 |
| Testing and analysis - St Thomas College,Thrissur | School of Pure and Applied Physics | Generated Income of Rs: 2650 |
| Testing and analysis - St Thomas College,Kozhencherry | School of Pure and Applied Physics | Generated Income of Rs: 600 |
| Testing and analysis - Al Ameen,Edathua | School of Pure and Applied Physics | Generated Income of Rs: 1600 |
| Testing and analysis - Nirmala College,Moovattupuzha | School of Pure and Applied Physics | Generated Income of Rs: 300 |
| Testing and analysis - CUTN  | School of Pure and Applied Physics | Generated Income of Rs: 2250 |
| Testing and analysis - SIC,NIOS,Kochi | School of Pure and Applied Physics | Generated Income of Rs: 2000 |
| Testing and analysis - Amal Jyothi College Of Engineering | School of Pure and Applied Physics | Generated Income of Rs: 850 |
| Testing and analysis - C-MET,Thrissur | School of Pure and Applied Physics | Generated Income of Rs: 1800 |
| Testing and analysis - PR NSS College,Mattannoor | School of Pure and Applied Physics | Generated Income of Rs: 1050 |
| Testing and analysis - St Aloysius,Edathua | School of Pure and Applied Physics | Generated Income of Rs: 1900 |
| Testing and analysis - ISP,Cusat | School of Pure and Applied Physics | Generated Income of Rs: 1800 |

**Total : 379 Numbers**