



झारखण्ड केन्द्रीय विश्वविद्यालय Central University of Jharkhand

(Established by an Act of Parliament of India, 2009)

Brambe, Ranchi - 835205

Sl.No.: 01396

CONSOLIDATED GRADE TRANSCRIPT

Letter and Numeric Grade points awarded to **Alok Raj**, S/o. Mr. Dhananjay Choudhary and Mrs. Punam Kumari, Registration No. CUJ/I/2016/IAP/06, who has successfully completed six semesters of **Bachelor of Science (Hons.) in Applied Physics** and is taking an exit from the Five Years Integrated Programme.

Course Code	Title of the Course	Credits	Letter Grade	Numeric Grade Point
Semester-I				
PHY/MAT/110010	Mathematics - I	4	C	7
PHY/PHY/111100	General Properties of Matter	4	S	10
PHY/CHM/110030	Principles of Chemistry - I	3	A	9
PHY/COM/110050	Fundamentals of Computer & C Programming	4	C	7
PHY/EVS/110060	Environmental Studies	3	A	9
PHY/BIO/110070	Introductory Biology	4	A	9
PHY/PHY/111110	Waves & Oscillations	4	S	10
PHY/PHY/112080	Applied Physics-I Lab	2	A	9
PHY/CHM/112090	Principles of Chemistry-I Lab	2	C	7
Semester-II				
PHY/MAT/120010	Mathematics-II	3	S	10
PHY/PHY/121100	Vector Calculus	4	B	8
PHY/CHM/120031	Principles of Chemistry -II	3	A	9
PHY/PHY/121140	Heat	4	B	8
PHY/ENG/120040	Communicative English	4	B	8
PHY/PHY/121060	Modern Physics	4	S	10
PHY/CHM/122120	Principles of Chemistry Lab II	2	C	7
PHY/PHY/122110	Applied Physics Lab -II	2	A	9
Semester-III				
PHY/THP/211020	Thermal Physics	4	B	8
PHY/OPT/211030	Optics	4	A	9
PHY/CLM/211070	Classical Mechanics - I	4	A	9
PHY/MTP/211080	Mathematical Physics-I	4	S	10
PHY/APL/212060	Applied Physics Lab - III	4	B	8
PHY/LRM/210100	Disaster Management	3	C	7
Semester-IV				
PHY/APL/222050	Applied Physics Lab-IV	4	S	10
PHY/MPH/221010	Mathematical Physics-II	4	S	10
PHY/ELE/221030	Electronics-I	4	S	10
PHY/QPH/221020	Quantum Physics	4	B	8
PHY/ELM/221090	Electricity and Magnetism-I	4	A	9
PHY/SSP/221040	Solid State Physics-I	4	B	8
Semester-V				
PHY/FIO/315080	Fibre and Integrated Optics	4	A	9
PHY/NAN/315070	Advanced Functional Materials And Devices	4	B	8
PHY/NAN/321090	Nanotechnology For Energy System	4	S	10
PHY/STR/315090	Special Theory of Relativity	4	S	10
PHY/TCP/315100	Tensor Calculus and Its Basic Application in Physics	4	E	5
Semester-VI				
PHY/APL/322050	Applied Physics Lab-VI	4	A	9
PHY/AMP/321050	Atomic and Molecular Physics I	4	A	9
PHY/ELM/321040	Electricity and Magnetism- II	4	S	10
PHY/NUP/321030	Nuclear Physics	4	S	10
PHY/QTM/321020	Quantum Mechanics-I	4	S	10
PHY/STM/321010	Statistical Mechanics-I	4	C	7
Total Credits		147		

Cumulative Grade Point Average (CGPA) : 8.76 (Eight Point Seven Six)

Division : 1st Division with Distinction

Final result declared on : 5th July, 2019

Checked by :

Verified by :

Date : 9.7.2020

Ranchi

Controller of Examinations
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Central University of Jharkhand