



St. Albert's College (Autonomous)

Ernakulam-682 018, Kerala, India.
Accredited by National Assessment and Accreditation Council (NAAC) at 'A' Grade
ISO 9001:2015 Certified

Affiliated to Mahatma Gandhi University, Kottayam, Kerala

CONSOLIDATED MARK CUM GRADE CARD

| | |
|---------------------------------|---------------------|
| NAME OF THE CANDIDATE | SAJIN XAVIER |
| PERMANENT REGISTER NUMBER (PRN) | 1701180046 |
| DEGREE | BACHELOR OF SCIENCE |
| PROGRAMME | PHYSICS |
| STREAM | MODEL I |
| DATE OF BIRTH | 06-04-1999 |
| DATE OF ELIGIBILITY | 17-08-2021 |



SEMESTER RESULTS

| SEMESTER | MARKS AWARDED | MAXIMUM MARKS | CREDITS | SGPA | GRADE | MONTH AND YEAR OF PASSING | RESULT |
|--------------|---------------|---------------|------------|------|-------|---------------------------|--------|
| SEMESTER 1 | 349 | 550 | 18 | 6.28 | B | NOVEMBER 2017 | PASS |
| SEMESTER 2 | 392 | 650 | 22 | 6.05 | B | MARCH 2018 | PASS |
| SEMESTER 3 | 257 | 450 | 18 | 5.78 | B | OCTOBER 2018 | PASS |
| SEMESTER 4 | 330 | 550 | 22 | 6.09 | B | MARCH 2020 | PASS |
| SEMESTER 5 | 208 | 400 | 16 | 5.44 | C | OCTOBER 2019 | PASS |
| SEMESTER 6 | 442 | 700 | 24 | 6.13 | B | JUNE 2021 | PASS |
| TOTAL | 1978 | 3300 | 120 | | | | |

PROGRAMME PART RESULTS

| PROGRAMME PART | MARKS AWARDED | MAXIMUM MARKS | CREDIT POINTS | CREDITS | CGPA | GRADE |
|---|---------------|---------------|---------------|------------|-------------|----------|
| COMMON COURSE I: ENGLISH | 337 | 600 | 125 | 22 | 5.68 | B |
| COMMON COURSE II: HINDI | 181 | 400 | 76 | 16 | 4.75 | C |
| CORE COURSE: PHYSICS | 861 | 1400 | 310 | 51 | 6.08 | B |
| COMPLEMENTARY COURSE: CHEMISTRY | 294 | 400 | 101 | 14 | 7.21 | B+ |
| COMPLEMENTARY COURSE: MATHEMATICS | 256 | 400 | 91 | 14 | 6.5 | B+ |
| OPEN COURSE: CAPITAL MARKET AND INVESTMENT MANAGEMENT | 49 | 100 | 15 | 3 | 5 | C |
| TOTAL | 1978 | 3300 | 718 | 120 | 5.98 | B |

FINAL RESULT

| CREDITS | CGPA | GRADE | RESULT |
|---------|------|-------|--------|
| 120 | 5.98 | B | PASS |



| COURSE CODE | COURSE TITLE | MARKS | | | | | | | | | | | RESULT |
|------------------------|---|---------|--------------------|---------|----------|---------|---------|---------|---------------|-------|-----|------|--------|
| | | CREDITS | INTERNAL | | EXTERNAL | | TOTAL | | GP | GRADE | CGP | IA | |
| | | | AWARDED | MAXIMUM | AWARDED | MAXIMUM | AWARDED | MAXIMUM | | | | | |
| SEMESTER 1 | | | | | | | | | | | | | |
| Common Course - I | | | | | | | | | | | | | |
| ENG1CCT0117 | ENGLISH - FINE - TUNE YOUR ENGLISH | 4 | 15 | 20 | 48 | 80 | 63 | 100 | 6 | B | 24 | 7.18 | Pass |
| ENG1CCT0217 | ENGLISH - PEARLS FROM THE DEEP | 3 | 17 | 20 | 41 | 80 | 58 | 100 | 6 | B | 18 | 7.19 | Pass |
| Common Course - II | | | | | | | | | | | | | |
| HND1CLT0117 | HINDI - PROSE AND ONE ACT PLAYS | 4 | 14 | 20 | 41 | 80 | 55 | 100 | 6 | B | 24 | 6.88 | Pass |
| Core Course | | | | | | | | | | | | | |
| PHY1CRT0117 | METHODOLOGY AND PERSPECTIVES OF PHYSICS | 2 | 10 | 15 | 36 | 60 | 46 | 75 | 6 | B | 12 | 5.78 | Pass |
| Complementary Course | | | | | | | | | | | | | |
| CHE1CMT0117 | CHEMISTRY - BASIC THEORETICAL AND ANALYTICAL CHEMISTRY | 2 | 12 | 15 | 42 | 60 | 54 | 75 | 7 | B+ | 14 | 6.25 | Pass |
| MAT1CMT0117 | MATHEMATICS - PARTIAL DIFFERENTIATION, MATRICES, TRIGONOMETRY AND NUMERICAL METHODS | 3 | 16 | 20 | 57 | 80 | 73 | 100 | 7 | B+ | 21 | 7.38 | Pass |
| SEMESTER RESULT | | | SGPA : 6.28 | | | | | | SG : B | | | | |

SEMESTER 2

| | | | | | | | | | | | | | |
|------------------------|--|---|--------------------|----|----|----|----|-----|---------------|----|----|------|------|
| Common Course - I | | | | | | | | | | | | | |
| ENG2CCT0117 | ENGLISH - ISSUES THAT MATTER | 4 | 12 | 20 | 36 | 80 | 48 | 100 | 5 | C | 20 | 7.34 | Pass |
| ENG2CCT0217 | ENGLISH - SAVOURING THE CLASSICS | 3 | 15 | 20 | 35 | 80 | 50 | 100 | 5 | C | 15 | 7.48 | Pass |
| Common Course - II | | | | | | | | | | | | | |
| HND2CLT0117 | HINDI - SHORT STORIES AND NOVEL | 4 | 10 | 20 | 41 | 80 | 51 | 100 | 5 | C | 20 | 7.5 | Pass |
| Core Course | | | | | | | | | | | | | |
| PHY2CRT0117 | MECHANICS AND PROPERTIES OF MATTER | 2 | 8 | 15 | 35 | 60 | 43 | 75 | 6 | B | 12 | 5.75 | Pass |
| PHY2CRP0117 | MECHANICS AND PROPERTIES OF MATTER (P) | 2 | 7 | 10 | 40 | 40 | 47 | 50 | 6 | B | 12 | 4.55 | Pass |
| Complementary Course | | | | | | | | | | | | | |
| CHE2CMT0117 | CHEMISTRY - BASIC ORGANIC CHEMISTRY | 2 | 6 | 15 | 49 | 60 | 55 | 75 | 7 | B+ | 14 | 6.42 | Pass |
| MAT2CMT0117 | MATHEMATICS - INTEGRAL CALCULUS AND DIFFERENTIAL EQUATIONS | 3 | 10 | 20 | 46 | 80 | 56 | 100 | 6 | B | 18 | 7.06 | Pass |
| CHE2CMP0117 | CHEMISTRY - VOLUMETRIC ANALYSIS (P) | 2 | 7 | 10 | 35 | 40 | 42 | 50 | 8 | A | 16 | 4.8 | Pass |
| SEMESTER RESULT | | | SGPA : 6.05 | | | | | | SG : B | | | | |

SEMESTER 3

| | | | | | | | | | | | | | |
|------------------------|---|---|--------------------|----|----|----|----|-----|---------------|----|----|------|------|
| Common Course - I | | | | | | | | | | | | | |
| ENG3CCT0117 | ENGLISH - LITERATURE AND IDENTITY | 4 | 15 | 20 | 43 | 80 | 58 | 100 | 6 | B | 24 | 7.71 | Pass |
| Common Course - II | | | | | | | | | | | | | |
| HND3CLT0117 | HINDI - POETRY, GRAMMAR AND TRANSLATION | 4 | 9 | 20 | 27 | 80 | 36 | 100 | 4 | D | 16 | 5.91 | Pass |
| Core Course | | | | | | | | | | | | | |
| PHY3CRT0117 | OPTICS, LASER AND FIBER OPTICS | 3 | 12 | 15 | 28 | 60 | 40 | 75 | 5 | C | 15 | 5.7 | Pass |
| Complementary Course | | | | | | | | | | | | | |
| MAT3CMT0117 | MATHEMATICS - VECTOR CALCULUS, ANALYTIC GEOMETRY AND ABSTRACT ALGEBRA | 4 | 17 | 20 | 53 | 80 | 70 | 100 | 7 | B+ | 28 | 7.92 | Pass |
| CHE3CMT0217 | CHEMISTRY - PHYSICAL CHEMISTRY - I | 3 | 11 | 15 | 42 | 60 | 53 | 75 | 7 | B+ | 21 | 6.96 | Pass |
| SEMESTER RESULT | | | SGPA : 5.78 | | | | | | SG : B | | | | |

| COURSE CODE | COURSE TITLE | CREDITS | MARKS | | | | | | GP | GRADE | CGP | IA | RESULT |
|----------------------|--|---------|----------|---------|----------|---------|---------|---------|----|-------|-----|------|--------|
| | | | INTERNAL | | EXTERNAL | | TOTAL | | | | | | |
| | | | AWARDED | MAXIMUM | AWARDED | MAXIMUM | AWARDED | MAXIMUM | | | | | |
| SEMESTER 4 | | | | | | | | | | | | | |
| Common Course - I | | | | | | | | | | | | | |
| EN4CCT0117 | ENGLISH - ILLUMINATIONS | 4 | 19 | 20 | 41 | 80 | 60 | 100 | 6 | B | 24 | 7.86 | Pass |
| Common Course - II | | | | | | | | | | | | | |
| HE4CCT0117 | HINDI - DRAMA AND LONG POEM | 4 | 9 | 20 | 30 | 80 | 39 | 100 | 4 | D | 16 | 7.09 | Pass |
| Core Course | | | | | | | | | | | | | |
| PHY4CRT0117 | SEMICONDUCTOR PHYSICS | 3 | 10 | 15 | 33 | 60 | 43 | 75 | 6 | B | 18 | 6.28 | Pass |
| PHY4CRP0117 | OPTICS AND SEMICONDUCTOR PHYSICS (P) | 2 | 8 | 10 | 33 | 40 | 41 | 50 | 8 | A | 16 | 4.8 | Pass |
| Complementary Course | | | | | | | | | | | | | |
| MAT4CMT0117 | MATHEMATICS - FOURIER SERIES, LAPLACE TRANSFORM AND COMPLEX ANALYSIS | 4 | 17 | 20 | 40 | 80 | 57 | 100 | 6 | B | 24 | 7.78 | Pass |
| CHE4CMT0217 | CHEMISTRY - PHYSICAL CHEMISTRY - II | 3 | 9 | 15 | 35 | 60 | 44 | 75 | 6 | B | 18 | 6.46 | Pass |
| CHE4CMP0217 | CHEMISTRY - PHYSICAL CHEMISTRY PRACTICAL (P) | 2 | 6 | 10 | 40 | 40 | 46 | 50 | 9 | A+ | 18 | 5.02 | Pass |

SEMESTER RESULT

SGPA : 6.09

SG : B

SEMESTER 5

| Core Course | | | | | | | | | | | | | |
|-------------|--|---|----|----|----|----|----|-----|---|---|----|------|------|
| PHY5CRT0117 | ELECTRICITY AND ELECTRODYNAMICS | 3 | 11 | 15 | 24 | 60 | 35 | 75 | 5 | C | 15 | 5.92 | Pass |
| PHY5CRT0217 | CLASSICAL AND QUANTUM MECHANICS | 3 | 10 | 15 | 25 | 60 | 35 | 75 | 5 | C | 15 | 5.65 | Pass |
| PHY5CRT0317 | DIGITAL ELECTRONICS AND PROGRAMMING | 3 | 11 | 15 | 34 | 60 | 45 | 75 | 5 | C | 15 | 6.25 | Pass |
| PHY5CRT0417 | ENVIRONMENTAL PHYSICS AND HUMAN RIGHTS | 4 | 11 | 15 | 33 | 60 | 44 | 75 | 5 | C | 15 | 6.08 | Pass |
| Open Course | | | | | | | | | | | | | |
| COM5COT0217 | CAPITAL MARKET AND INVESTMENT MANAGEMENT | 3 | 11 | 20 | 38 | 80 | 49 | 100 | 5 | C | 15 | 5 | Pass |

SEMESTER RESULT

SGPA : 5.44

SG : C

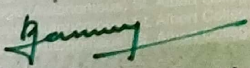
SEMESTER 6

| Core Course | | | | | | | | | | | | | |
|--------------------------|---|---|----|----|----|----|----|-----|---|----|----|------|------|
| PHY6CRT0117 | THERMAL AND STATISTICAL PHYSICS | 3 | 9 | 15 | 21 | 60 | 30 | 75 | 4 | D | 12 | 6.13 | Pass |
| PHY6CRT0217 | RELATIVITY AND SPECTROSCOPY | 3 | 8 | 15 | 48 | 60 | 56 | 75 | 7 | B+ | 21 | 5.46 | Pass |
| PHY6CRT0317 | NUCLEAR, PARTICLE AND ASTROPHYSICS | 3 | 9 | 15 | 19 | 60 | 28 | 75 | 4 | D | 12 | 5.87 | Pass |
| PHY6CRT0417 | SOLID STATE PHYSICS | 3 | 10 | 15 | 36 | 60 | 46 | 75 | 6 | B | 18 | 6.52 | Pass |
| PHY6CRP0117 | ELECTRICITY, MAGNETISM AND LASER (P) | 2 | 9 | 10 | 26 | 40 | 35 | 50 | 7 | B+ | 14 | 4.58 | Pass |
| PHY6CRP0217 | DIGITAL ELECTRONICS (P) | 2 | 8 | 10 | 27 | 40 | 35 | 50 | 7 | B+ | 14 | 4.65 | Pass |
| PHY6CRP0317 | THERMAL PHYSICS, SPECTROSCOPY AND C++ PROGRAMMING (P) | 2 | 9 | 10 | 32 | 40 | 41 | 50 | 8 | A | 16 | 4.71 | Pass |
| PHY6CRP0417 | THERMAL PHYSICS, SPECTROSCOPY AND C++ PROGRAMMING (P) | 2 | 9 | 10 | 32 | 40 | 41 | 50 | 8 | A | 16 | 4.71 | Pass |
| PHY6CRP0417 | ACOUSTICS, PHOTONICS AND ADVANCED SEMICONDUCTOR PHYSICS (P) | 2 | 9 | 10 | 28 | 40 | 37 | 50 | 7 | B+ | 14 | 4.76 | Pass |
| Project | | | | | | | | | | | | | |
| PHY6CPR0117 | PROJECT AND INDUSTRIAL VISIT | 1 | 15 | 20 | 63 | 80 | 78 | 100 | 8 | A | 8 | 9.22 | Pass |
| Choice Based Core Course | | | | | | | | | | | | | |
| PHY6CBT0117 | COMPUTATIONAL PHYSICS | 3 | 14 | 20 | 42 | 80 | 56 | 100 | 6 | B | 18 | 7.62 | Pass |

SEMESTER RESULT

SGPA : 6.13

SG : B


Controller of Examinations


Principal

DESCRIPTION OF EVALUATION PROCESS

Grade and Grade point

The evaluation of each course comprises Internal and External components with the ratio 1:4 for all courses. Grade and grade points are given on 7-point scale based on the percentage of marks (internal + external) as given in table -

1. Decimals are corrected to next higher whole number

Table - I

| % of Marks | Grade | Grade Point |
|----------------|-------------------|-------------|
| 95 and above | S – Outstanding | 10 |
| 85 to below 95 | A+ – Excellent | 9 |
| 75 to below 85 | A – Very Good | 8 |
| 65 to below 75 | B+ – Good | 7 |
| 55 to below 65 | B – Above Average | 6 |
| 45 to below 55 | C – Satisfactory | 5 |
| 35 to below 45 | D- Pass | 4 |
| Below 35 | F – Failure | 0 |
| | Ab – Absent | 0 |

Credit Point and Credit Point Average

Credit Point (CP) of a course is calculated using the formula: – $CP = C \times GP$, where C is the Credit and GP is the Grade point

Semester Grade Point Average (SGPA) or Cumulative Grade Point Average (CGPA) for a programme is calculated using the formula:- $SGPA \text{ or } CGPA = TCP/TC$, where TCP is the Total Credit Point of that semester or programme, TC = Total Credit

| GPA | Grade |
|------------------|------------------|
| 9.5 and above | S – Outstanding |
| 8.5 to below 9.5 | A+ – Excellent |
| 7.5 to below 8.5 | A – Good |
| 6.5 to below 7.5 | B – Good |
| 5.5 to below 6.5 | C – Average |
| 4.5 to below 5.5 | D – Satisfactory |
| 3.5 to below 4.5 | E – Pass |
| Below 3.5 | F – Failure |

भारत सरकार GOVERNMENT OF INDIA
 अपोस्टिल / APOSTILLE
 (Convention de La Haye du 5 octobre 1961)

Country: REPUBLIC OF INDIA

This public document
 MARK SHEET
 has been signed by PRINCIPAL
 acting in the capacity of PRINCIPAL
 bears the seal/stamp of SDM, NAND NAGRI, DELHI

Certified
 at NEW DELHI, INDIA the 16-Apr-2024
 by SO (OI/Attestation) MINISTRY OF EXTERNAL AFFAIRS
 No. KLTV0002356424

Seal / Stamp: SAJIN XAVIER

Signature: [Signature]

a:- GPA = TCP/TC, where TCP is the Total
 (with theory and practical) and aggregate
 programme, a separate minimum of Grade D is
 mandatory. If a candidate secures F Grade
 he will be awarded for that
 within the permitted period.

VERIFIED BY



(पंकज कुमार)
 (Pankaj Kumar)
 अनुभाग अधिकारी (सत्यापन / ओ.आई.)
 Section Officer (Attestation/O.I.)
 सो.पी.वी. - प्रभाग - I.C.P.V. Division
 विदेश मंत्रालय, नई दिल्ली
 Ministry of External Affairs, New Delhi



ATTESTED
 NOTARY PUBLIC
 Entry No. 493
 B. L. MEENA
 SDM (Election) District North-East
 D.C. Office, Complex, Nand Nagri, Delhi-93

