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# **APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

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## **BACHELOR OF TECHNOLOGY DEGREE EXAMINATION**

### **CONSOLIDATED STATEMENT OF GRADES**

Name : JERRY VARGHESE

Register Number : TOC16SF021

**BACHELOR OF TECHNOLOGY DEGREE EXAMINATIONS**  
**CONSOLIDATED STATEMENT OF GRADES**

Date of Issue : 05/12/2020

Sequence No. 20/1/14661

|                                      |   |
|--------------------------------------|---|
| Name : <b>JERRY VARGHESE</b>         | Register Number : TOC16SF021                          |
| Date of Birth : 23/08/1998           | Institution : TOC H INSTITUTE OF SCIENCE & TECHNOLOGY |
| Branch : Safety and Fire Engineering | Mode of Study : Regular                               |
| Year of Admission : 2016             | Duration of the programme : 4 Years (8 Semesters)     |
| Date of Passing : 19-SEP-2020        | Medium of Instruction : English                       |
| Total Credits : 182.0                | CGPA : 7.39 ( <b>Seven Point Three Nine</b> )         |

*The following Grades were awarded to the Candidate*

| Sl. No.                           | Course Code | Course Name   | Credits | Grade | Month & Year of Examination |
|-----------------------------------|-------------|---|---------|-------|-----------------------------|
| <b>First Semester SGPA: 7.38</b>  |             |   |         |       |                             |
| 1                                 | MA101       | CALCULUS  | 4.0     | A     | DEC-2016                    |
| 2                                 | PH100       | ENGINEERING PHYSICS   | 4.0     | B+    | DEC-2016                    |
| 3                                 | BE100       | ENGINEERING MECHANICS                                       | 4.0     | B     | DEC-2016                    |
| 4                                 | BE10102     | INTRODUCTION TO MECHANICAL ENGINEERING                      | 3.0     | C     | APR-2018                    |
| 5                                 | BE103       | INTRODUCTION TO SUSTAINABLE ENGINEERING                     | 3.0     | B     | DEC-2016                    |
| 6                                 | CE100       | BASICS OF CIVIL ENGINEERING                                 | 3.0     | C     | DEC-2016                    |
| 7                                 | PH110       | ENGINEERING PHYSICS LAB                                     | 1.0     | A+    | DEC-2016                    |
| 8                                 | CE110       | CIVIL ENGINEERING WORKSHOP                                  | 1.0     | D     | DEC-2016                    |
| 9                                 | ME110       | MECHANICAL ENGINEERING WORKSHOP                             | 1.0     | B     | DEC-2016                    |
| <b>Second Semester SGPA: 7.7</b>  |             |   |         |       |                             |
| 10                                | MA102       | DIFFERENTIAL EQUATIONS                                      | 4.0     | D     | JUN-2017                    |
| 11                                | CY100       | ENGINEERING CHEMISTRY                                       | 4.0     | B     | JUN-2017                    |
| 12                                | BE110       | ENGINEERING GRAPHICS  | 3.0     | B+    | JUN-2017                    |
| 13                                | BE102       | DESIGN & ENGINEERING  | 3.0     | B     | JUN-2017                    |
| 14                                | CY110       | ENGINEERING CHEMISTRY LAB                                   | 1.0     | D     | JUN-2017                    |
| 15                                | EE100       | BASICS OF ELECTRICAL ENGINEERING                            | 3.0     | B     | JUN-2017                    |
| 16                                | EC100       | BASICS OF ELECTRONICS ENGINEERING                           | 3.0     | C     | JUN-2017                    |
| 17                                | EE110       | ELECTRICAL ENGINEERING WORKSHOP                             | 1.0     | B     | JUN-2017                    |
| 18                                | EC110       | ELECTRONICS ENGINEERING WORKSHOP                            | 1.0     | B+    | JUN-2017                    |
| <b>Third Semester SGPA: 7.5</b>   |             |   |         |       |                             |
| 19                                | MA201       | LINEAR ALGEBRA & COMPLEX ANALYSIS                           | 4.0     | B+    | DEC-2017                    |
| 20                                | ME201       | MECHANICS OF SOLIDS   | 4.0     | B+    | DEC-2017                    |
| 21                                | FS201       | PRINCIPLES OF CHEMICAL ENGINEERING                          | 4.0     | B+    | DEC-2017                    |
| 22                                | FS203       | PRINCIPLES OF SAFETY MANAGEMENT                             | 4.0     | C     | DEC-2017                    |
| 23                                | FS205       | SAFETY IN CONSTRUCTION INDUSTRY                             | 3.0     | B     | DEC-2017                    |
| 24                                | HS210       | LIFE SKILLS   | 3.0     | B+    | DEC-2017                    |
| 25                                | FS231       | SAFETY ENGINEERING LAB                                      | 1.0     | B     | DEC-2017                    |
| 26                                | CE230       | MATERIAL TESTING LAB  | 1.0     | B+    | DEC-2017                    |
| <b>Fourth Semester SGPA: 7.22</b> |             |   |         |       |                             |
| 27                                | MA202       | PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS | 4.0     | A     | APR-2018                    |
| 28                                | FS202       | TRANSFER OPERATIONS IN CHEMICAL ENGINEERING                 | 4.0     | B+    | APR-2018                    |
| 29                                | ME200       | FLUID MECHANICS & MACHINERY                                 | 4.0     | B     | APR-2018                    |
| 30                                | EE212       | ELECTRICAL TECHNOLOGY AND SAFETY                            | 3.0     | C     | APR-2018                    |
| 31                                | FS206       | FIRE ENGINEERING FUNDAMENTALS                               | 3.0     | C     | APR-2018                    |
| 32                                | HS200       | BUSINESS ECONOMICS  | 3.0     | C     | APR-2018                    |
| 33                                | EE235       | ELECTRICAL TECHNOLOGY & SAFETY LAB                          | 1.0     | A+    | APR-2018                    |

| Sl. No.                             | Course Code | Course Name                                      | Credits | Grade | Month & Year of Examination |
|-------------------------------------|-------------|--|---------|-------|-----------------------------|
| 34                                  | ME230       | FLUID MECHANICS & MACHINES LAB                   | 1.0     | A+    | APR-2018                    |
| <b>Fifth Semester SGPA: 7.38</b>    |             |  |         |       |                             |
| 35                                  | FS301       | PLANNING AND DESIGN OF FIRE PROTECTION SYSTEMS   | 4.0     | B     | DEC-2018                    |
| 36                                  | FS303       | ENGINEERING DESIGN AND DRAWING                   | 3.0     | B+    | DEC-2018                    |
| 37                                  | FS305       | INDUSTRIAL ELECTRONICS AND SAFETY                | 3.0     | B     | DEC-2018                    |
| 38                                  | FS307       | CHEMICAL TECHNOLOGY AND MECHANICAL OPERATIONS    | 3.0     | B     | DEC-2018                    |
| 39                                  | FS309       | OCCUPATIONAL HEALTH AND FIRST AID                | 3.0     | B+    | DEC-2018                    |
| 40                                  | FS311 #     | FIRE DYNAMICS                                    | 3.0     | C     | DEC-2018                    |
| 41                                  | FS441       | DESIGN PROJECT                                   | 2.0     | A+    | DEC-2018                    |
| 42                                  | ME337       | MACHINING TOOLS LAB                              | 1.0     | B+    | DEC-2018                    |
| 43                                  | FS331       | FIRE ENGINEERING AND FIRST AID LAB               | 1.0     | B+    | DEC-2018                    |
| <b>Sixth Semester SGPA: 7.15</b>    |             |  |         |       |                             |
| 44                                  | FS302       | SAFETY IN ENGINEERING INDUSTRY                   | 4.0     | C     | MAY-2019                    |
| 45                                  | FS304       | PROCESS INSTRUMENTATION AND CONTROL ENGINEERING  | 3.0     | B     | MAY-2019                    |
| 46                                  | FS306       | CHEMICAL PROCESS SAFETY                          | 3.0     | B+    | MAY-2019                    |
| 47                                  | FS308       | STRUCTURAL FIRE SAFETY                           | 2.0     | B     | MAY-2019                    |
| 48                                  | HS300       | PRINCIPLES OF MANAGEMENT                         | 3.0     | B+    | MAY-2019                    |
| 49                                  | FS312 #     | SAFETY IN PETROLEUM AND PETROCHEMICAL INDUSTRIES | 3.0     | B     | MAY-2019                    |
| 50                                  | FS332       | CHEMICAL ENGINEERING LAB                         | 1.0     | A     | MAY-2019                    |
| 51                                  | FS304       | INDUSTRIAL HYGIENE AND ENVIRONMENTAL ENGG. LAB   | 1.0     | B     | MAY-2019                    |
| 52                                  | FS332       | COMPREHENSIVE EXAM                               | 2.0     | B     | MAY-2019                    |
| <b>Seventh Semester SGPA: 6.86</b>  |             |  |         |       |                             |
| 53                                  | FS401       | HAZARD IDENTIFICATION AND RISK ASSESSMENT        | 4.0     | C     | DEC-2019                    |
| 54                                  | FS403       | TRANSPORTATION SYSTEMS AND SAFETY                | 3.0     | C     | DEC-2019                    |
| 55                                  | FS405       | DISASTER MANAGEMENT                              | 2.0     | B+    | DEC-2019                    |
| 56                                  | FS407       | LIFE SAFETY IN BUILDING FIRE                     | 3.0     | B     | DEC-2019                    |
| 57                                  | FS409       | LEGAL ASPECTS OF HSE                             | 3.0     | B     | DEC-2019                    |
| 58                                  | FS405 #     | AUTOMOBILE ENGINEERING AND SAFETY                | 3.0     | C     | DEC-2019                    |
| 59                                  | FS451       | SEMINAR & PROJECT PRELIMINARY                    | 2.0     | B+    | DEC-2019                    |
| 60                                  | FS401       | CAD & COMPUTATIONAL LAB                          | 1.0     | A+    | DEC-2019                    |
| <b>Eighth Semester SGPA: 8.0</b>    |             |  |         |       |                             |
| 61                                  | FS402       | HUMAN FACTORS ENGINEERING                        | 3.0     | B+    | MAY-2020                    |
| 62                                  | FS404       | ADVANCED SAFETY ENGINEERING AND MANAGEMENT       | 3.0     | B+    | MAY-2020                    |
| 63                                  | FS472 #     | SAFETY IN TEXTILE INDUSTRY                       | 3.0     | B+    | MAY-2020                    |
| 64                                  | IE432 #     | TOTAL QUALITY MANAGEMENT                         | 3.0     | B+    | MAY-2020                    |
| 65                                  | FS492       | PROJECT  | 6.0     | B+    | MAY-2020                    |
| <b>***** END OF STATEMENT *****</b> |             |  |         |       |                             |

CGPA - Cumulative Grade Point Average SGPA - Semester Grade Point Average # - Elective

Student Activities : 2.00 Credits (Non-Academic) - Successfully Completed

CONTROLLER OF EXAMINATIONS





### 1. Grades and Grade Points

| Grades | Grade Point | % of Total Marks obtained in the course |
|--------|-------------|---|
| D      | 10          | 90% and above                           |
| A+     | 9           | 85% and above but less than 90%         |
| A      | 8.5         | 80% and above but less than 85%         |
| B+     | 8           | 70% and above but less than 80%         |
| B      | 7           | 60% and above but less than 70%         |
| C      | 6           | 50% and above but less than 60%         |
| P      | 5           | 45% and above but less than 50%         |
| F      | 0           | Less than 45%                           |
| FE     | 0           | Failed due to eligibility criteria      |
| I      |             | Course incomplete                       |

### 2. Semester Grade Point Average (SGPA)

Semester Grade Point Average (SGPA) =  $\frac{\sum(C_i \times G_{P_i})}{\sum C_i}$ , where  $C_i$  is the credit assigned for a course and  $G_{P_i}$  is the grade point for that course.

Summation is done for all courses registered by the student in the semester.

### 3. Cumulative Grade Point Average (CGPA)

Cumulative Grade Point Average (CGPA) =  $\frac{\sum(C_i \times G_{P_i})}{\sum C_i}$  where  $C_i$  is the credit assigned for a course and  $G_{P_i}$  is the grade point for that course.

Summation is done for all courses registered by the student during all the semesters for which the CGPA is needed.

### 4. Conversion of GPA to percentage

Approximate formula for conversion of SGPA/CGPA to % marks is as follows:

The Percentage Marks (% Marks) =  $10 \times G - 3.75$ , Where G is SGPA or CGPA.

Controller of Examinations