

ALAGAPPA UNIVERSITY, KARAİKUDI
NEW SYLLABUS UNDER CBCS PATTERN (w.e.f.2017-18)

B.Sc. MICROBIOLOGY AND CLINICAL LAB TECHNOLOGY PROGRAMME STRUCTURE

| Sem | Part | Course Code | Title of the Course | Cr. | Hrs./ Week | Max. Marks | | | |
|---|---|-------------------------------------|--|-----------|------------|------------|-----------|------------|------------|
| | | | | | | Int. | Ext. | Total | |
| I | I | 711T | Tamil/Other languages – I | 3 | 6 | 25 | 75 | 100 | |
| | II | 712E | English – I | 3 | 6 | 25 | 75 | 100 | |
| | III | 7BMC1C1 | Core – I – General Microbiology | | 4 | 6 | 25 | 75 | 100 |
| | | | Core – II – Practical – I – Lab in General Microbiology | | 4 | 6 | 40 | 60 | 100 |
| | | Allied – I (Theory only) (or) | | 5 | 5 | 25 | 75 | 100 | |
| | | Allied – I (Theory cum Practical) | | 4 | 3 | 15 | 60 | 75 | |
| | | | Allied Practical – I | | -- | 2** | -- | -- | -- |
| | IV | 7NME1A/ 7NME1B/ 7NME1C | (1) Non-Major Elective – I – A) jkpo; nkhopapd; mbg; gilfs; / B) ,f;fhy ,yf;fpak; / C) Communicative English | | 2 | 1 | 25 | 75 | 100 |
| | Total(Allied-Theory only) | | | | 21 | 30 | -- | -- | 600 |
| | Total(Allied-Theory cum Practical) | | | | 20 | | | | 575 |
| II | I | 721T | Tamil/Other languages – II | 3 | 6 | 25 | 75 | 100 | |
| | II | 722E | English – II | 3 | 6 | 25 | 75 | 100 | |
| | III | 7BMC2C1 | Core – III – Clinical Biochemistry | | 4 | 6 | 25 | 75 | 100 |
| | | | Core – IV - Practical II- Lab in Clinical Biochemistry | | 4 | 5 | 40 | 60 | 100 |
| | | Allied – II (Theory only) (or) | | 5 | 5 | 25 | 75 | 100 | |
| | | Allied – II (Theory cum Practical) | | 4 | 3 | 15 | 60 | 75 | |
| | | | Allied Practical – I | | 2 | 2 | 20 | 30 | 50 |
| | IV | 7BES2 | (3) Environmental Studies | | 2 | 2 | 25 | 75 | 100 |
| | Total(Allied-Theory only) | | | | 21 | 30 | -- | -- | 600 |
| | Total(Allied-Theory cum Practical) | | | | 22 | | | | 625 |
| III | I | 731T | Tamil/Other languages – III | 3 | 6 | 25 | 75 | 100 | |
| | II | 732E | English – III | 3 | 6 | 25 | 75 | 100 | |
| | III | 7BMC3C1 | Core – V – Clinical Immunology | | 4 | 5 | 25 | 75 | 100 |
| | | | Core – VI – Practical – III – Lab in Clinical Immunology | | 4 | 5 | 40 | 60 | 100 |
| | | Allied – III (Theory only) (or) | | 5 | 5 | 25 | 75 | 100 | |
| | | Allied – III (Theory cum Practical) | | 4 | 3 | 15 | 60 | 75 | |
| | | | Allied Practical – II | | -- | 2** | -- | -- | -- |
| | IV | 7NME3A/ 7NME3B/ 7NME3C | (1) Non-major Elective – II – A) ,yf;fpaKk; nkhopg;gad;ghLk;/ (B) goe;jkpo; ,yf;fpaq;fSk; ,yf;fpa tuyhWk; / (C) Effective Employability Skills | | 2 | 1 | 25 | 75 | 100 |
| | IV | 7SBS3A1/ 7SBS3A2/ 7SBS3A3 | (2) Skill Based Subjects – I | | 2 | 2 | 25 | 75 | 100 |
| | V | 7BEA3 | Extension Activities | | 1 | -- | 100 | -- | 100 |
| Total(Allied-Theory only) | | | | 24 | 30 | -- | -- | 800 | |
| Total(Allied-Theory cum Practical) | | | | 23 | | | | 775 | |

| | | | | | | | | |
|----|---------------------------------|---|---|------------|-----------|-----------|-------------|-----|
| IV | I | 741T | Tamil/Other languages – IV | 3 | 6 | 25 | 75 | 100 |
| | II | 742E | English – IV | 3 | 6 | 25 | 75 | 100 |
| | III | 7BMC4C1 | Core – VII – Molecular Biology and Microbial Genetics | 4 | 5 | 25 | 75 | 100 |
| | | 7BMC4P1 | Core–VIII–Practical IV-Lab in Molecular Biology and Microbial Genetics | 4 | 4 | 40 | 60 | 100 |
| | | | Allied – IV(Theory only) (or) Allied– IV(Theory cum Practical) | 5 | 5 | 25 | 75 | 100 |
| | | | Allied Practical – II | 4 | 3 | 15 | 60 | 75 |
| | | | | 2 | 2 | 20 | 30 | 50 |
| IV | 7SBS4B1/ 7SBS4B2/ 7SBS4B3 | (2) Skill Based Subjects – II | 2 | 2 | 25 | 75 | 100 | |
| IV | 7BVE4/ 7BMY4/ 7BWS4 | (4) Value Education / Manavalakalai Yoga / Women’s Studies | 2 | 2 | 25 | 75 | 100 | |
| | | Total(Allied-Theory only) | 23 | 30 | -- | -- | 700 | |
| | | Total(Allied-Theory cum Practical) | 24 | | | | 725 | |
| V | III | 7BMC5C1 | Core – IX – Clinical Bacteriology | 4 | 5 | 25 | 75 | 100 |
| | | 7BMC5C2 | Core – X – Virology | 4 | 5 | 25 | 75 | 100 |
| | | 7BMC5P1 | Core – XI - Practical V – Lab in Clinical Bacteriology & Virology | 4 | 6 | 40 | 60 | 100 |
| | | 7BMC1E1/ 7BMC1E2 | Elective – I -A) Biostatistics (or) B) Molecular Based Diagnostics | 5 | 5 | 25 | 75 | 100 |
| | | 7BMC2E1/ 7BMC2E2 | Elective–II- A) Biomedical Ethics (or) B) Haematology | 5 | 5 | 25 | 75 | 100 |
| | IV | 7SBS5A4/ 7SBS5A5/ 7SBS5A6/ 7SBS5A7 | (2) Skill Based Subjects – I | 2 | 2 | 25 | 75 | 100 |
| | | | (2) Skill Based Subjects – I | 2 | 2 | 25 | 75 | 100 |
| | | Total | 26 | 30 | -- | -- | 700 | |
| VI | III | 7BMC6C1 | Core – XII – Bio Instrumentation and Diagnostics | 4 | 5 | 25 | 75 | 100 |
| | | 7BMC6C2 | Core – XIII – Clinical Parasitology & Mycology | 4 | 5 | 25 | 75 | 100 |
| | | 7BMC6C3 | Core – XIV – Recombinant DNA Technology | 4 | 5 | 25 | 75 | 100 |
| | IV | 7BMC6P1 | Core–X-Practical VI– Lab in Bio Instrumentation and Diagnostics, Clinical Parasitology & Mycology and Recombinant DNA Technology | 4 | 6 | 40 | 60 | 100 |
| | V | 7BMC3E1/ 7BMC3E2 | Elective – III A) Hospital Management (or) B) Environmental Microbiology | 5 | 5 | 25 | 75 | 100 |
| | IV | 7SBS6B4/ 7SBS6B5/ 7SBS6B6/ 7SBS6B7 | (2) Skill Based Subjects – II | 2 | 2 | 25 | 75 | 100 |
| | | | (2) Skill Based Subjects – II | 2 | 2 | 25 | 75 | 100 |
| | | Total | 25 | 30 | -- | -- | 700 | |
| | | Grand Total | 140 | 180 | -- | -- | 4100 | |

**** University Examinations will be held in the Even Semesters only.**