

## Basic Information about MBBS Course

- 1. Name of the course:** Bachelor of Medicine & Bachelor of Surgery (MBBS)
- 2. Basic qualifications & prerequisite for entrance in MBBS Course:**
  - (i) HSC or equivalent with Science.(Biology, Physics, Chemistry)
  - (ii) Candidate has to secure required grade point in the SSC and HSC examinations.
- 3. Students selection procedure for MBBS course:** According to decision by the proper competent authority as per merit.
- 4. Medium of Instruction:** English
- 5. Duration:** MBBS course comprises of 5 Years, followed by mandatory logbook based rotatory internship for one year
- 6. Course structure, subject with duration and professional examination**

The MBBS course is divided into four phases.

| Phase                 | Duration | Subjects                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Examination              |
|-----------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1 <sup>st</sup> phase | 1½ years | <ul style="list-style-type: none"> <li>Anatomy</li> <li>Physiology</li> <li>Biochemistry</li> </ul>                                                                                                                                                                                                                                                                                                                                                            | First Professional MBBS  |
| 2 <sup>nd</sup> phase | 1 year   | <ul style="list-style-type: none"> <li>Pharmacology &amp; Therapeutics</li> <li>Forensic Medicine &amp; Toxicology</li> </ul> <p><i>Only lecture, small group teaching (practical, tutorial etc.), clinical teaching (as applicable) &amp; formative assessment will be conducted in following subjects- General Pathology part of Pathology, General Microbiology part of Microbiology, Medicine &amp; Allied subjects, Surgery &amp; Allied subjects</i></p> | Second Professional MBBS |
| 3 <sup>rd</sup> phase | 1 year   | <ul style="list-style-type: none"> <li>Community Medicine &amp; Public Health</li> <li>Pathology</li> <li>Microbiology</li> </ul> <p><i>Only lecture, small group teaching (practical, tutorial etc.), clinical teaching (as applicable) &amp; formative assessment be conducted in following subjects- Medicine &amp; Allied subjects, Surgery &amp; Allied subjects, Obstetrics and Gynaecology.</i></p>                                                     | Third Professional MBBS  |
| 4 <sup>th</sup> phase | 1½ years | <ul style="list-style-type: none"> <li>Medicine &amp; Allied subjects</li> <li>Surgery &amp; Allied subjects</li> <li>Obstetrics and Gynaecology</li> </ul>                                                                                                                                                                                                                                                                                                    | Final Professional MBBS  |

**NB:** All academic activities including professional examination of each phase must be completed within the specified time of the phase.

**Special note:** After taking admission into the first year of MBBS course, a student must complete the whole MBBS course (pass the final professional MBBS examination) within 12 years timeline.

## 7. Phase wise hours distribution for teaching-learning and assessment:

| 1 <sup>st</sup> Phase: Hour Distribution                                                                                                                                                                                                                |              |                       |                        |                         |                                        |                        |                          |              |                          |                  |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|------------------------|-------------------------|----------------------------------------|------------------------|--------------------------|--------------|--------------------------|------------------|---------------------|
| Subject                                                                                                                                                                                                                                                 |              | Lecture<br>(in hours) | Tutorial<br>(in hours) | Practical<br>(in hours) | Dissection and<br>others<br>(in hours) | Integrated<br>teaching | Formative<br>Exam        |              | Summative<br>exam        |                  | Total<br>(in hours) |
|                                                                                                                                                                                                                                                         |              |                       |                        |                         |                                        |                        | Prepa<br>ratory<br>leave | Exam<br>time | Prepa<br>ratory<br>leave | Exa<br>m<br>time |                     |
| Teaching-learning, both<br>formative and<br>summative assessment                                                                                                                                                                                        | Anatomy      | 115                   | 53                     | 52                      | 307                                    | 36 hrs                 | 35<br>days               | 42<br>days   | 30<br>days               | 30<br>days       | 527                 |
|                                                                                                                                                                                                                                                         | Physiology   | 120                   | 120                    | 97                      | -                                      |                        |                          |              |                          |                  | 337                 |
|                                                                                                                                                                                                                                                         | Biochemistry | 117                   | 100                    | 100                     | -                                      |                        |                          |              |                          |                  | 317                 |
|                                                                                                                                                                                                                                                         | Total        | 352                   | 273                    | 249                     | 307                                    | 36                     | 77 days                  | 60 days      | 1181+36<br>(IT)<br>=1217 |                  |                     |
| Generic Topics on Medical Humanities :(i) Behavioral science, (ii) Medical Sociology, (iii) Etiquette in using of Social Medias, (iv) Self- directed learning including team learning & (v) Medical ethics will be taught within 1 <sup>st</sup> phase. |              |                       |                        |                         |                                        |                        |                          |              |                          |                  | 8                   |
| Grand Total                                                                                                                                                                                                                                             |              |                       |                        |                         |                                        |                        |                          |              |                          |                  | 1225                |
| Time for integrated teaching, examination, preparatory leave of formative & summative assessment is common for all subjects of the phase                                                                                                                |              |                       |                        |                         |                                        |                        |                          |              |                          |                  |                     |
| Related behavioral, professional & ethical issues will be discussed in all teaching learning sessions                                                                                                                                                   |              |                       |                        |                         |                                        |                        |                          |              |                          |                  |                     |

| 2nd Phase: Hour Distribution                                                                                                                                                                                                        |                                      |                       |                        |                                                             |                                    |                                                     |                                                  |                          |                  |                          |                  |                                           |
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| Subject                                                                                                                                                                                                                             |                                      | Lecture<br>(in hours) | Tutorial<br>(in hours) | Practical/<br>Demonstration<br>(in hours)                   | Others<br>(in hours)               | Integrat<br>ed<br>teaching<br>(IT)<br>(in<br>hours) | Clinical<br>bedside<br>teaching<br>(in<br>weeks) | Formative<br>Exam        |                  | Summative<br>exam        |                  | Total<br>(in hours)                       |
|                                                                                                                                                                                                                                     |                                      |                       |                        |                                                             |                                    |                                                     |                                                  | Prepa<br>ratory<br>leave | Exa<br>m<br>time | Prepa<br>ratory<br>leave | Exa<br>m<br>time |                                           |
| Teaching-learning,<br>both formative &<br>summative assessment                                                                                                                                                                      | Pharmacology &<br>Therapeutics       | 100                   | 30                     | 50                                                          | Clinical<br>Pharmac<br>ology<br>15 | 17                                                  | -                                                | 10<br>days               | 15<br>days       | 10<br>days               | 15<br>days       | 195                                       |
|                                                                                                                                                                                                                                     | Forensic<br>Medicine &<br>Toxicology | 100                   | 45                     | 40 hrs Visit<br>to Morgue,<br>Thana &<br>court = 12<br>days | -                                  |                                                     | -                                                |                          |                  |                          |                  | 185+12da<br>ys                            |
| Teaching- learning and<br>only formative<br>assessment                                                                                                                                                                              | General<br>Pathology                 | 35                    | 40                     | 07                                                          | -                                  | -                                                   | -                                                | -                        | -                | -                        | -                | 82                                        |
|                                                                                                                                                                                                                                     | General<br>Microbiology              | 13                    | 07                     | 15                                                          | -                                  | -                                                   | -                                                | -                        | -                | -                        | -                | 35                                        |
|                                                                                                                                                                                                                                     | Medicine &<br>Allied subjects        | 28                    | -                      | -                                                           | -                                  | -                                                   | 21 weeks                                         | -                        | -                | -                        | -                | 28                                        |
|                                                                                                                                                                                                                                     | Surgery & Allied<br>subjects         | 35                    | -                      | -                                                           | -                                  | -                                                   | 20 weeks                                         | -                        | -                | -                        | -                | 35                                        |
| Total                                                                                                                                                                                                                               |                                      | 311<br>hrs            | 122<br>hrs             | 112 hrs +<br>12 days                                        | 15 hours                           | 17 hours                                            | 41 weeks                                         | 25 days                  |                  | 25 days                  |                  | 560 hrs +<br>12 days                      |
| Grand Total                                                                                                                                                                                                                         |                                      | 577 hrs + 12 days     |                        |                                                             |                                    |                                                     | 42 weeks                                         | 45 days                  |                  |                          |                  | 560 +17<br>(IT)<br>= 577 hrs<br>+ 12 days |
| Generic Topics on Medical Humanities: (i) Communication skill, (ii) Doctor–patient relationship (DPR) & Physicians’/bedside manner, etiquette and rapport building with patients will be taught within 2 <sup>nd</sup> phase. (iii) |                                      |                       |                        |                                                             |                                    |                                                     |                                                  |                          |                  |                          |                  | 5 hrs                                     |
| Time for integrated teaching, examination preparatory leave and formative and summative assessment is common for all subjects of the phase                                                                                          |                                      |                       |                        |                                                             |                                    |                                                     |                                                  |                          |                  |                          |                  |                                           |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.                                                                |                                      |                       |                        |                                                             |                                    |                                                     |                                                  |                          |                  |                          |                  |                                           |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                                                                                            |                                      |                       |                        |                                                             |                                    |                                                     |                                                  |                          |                  |                          |                  |                                           |

| 3 <sup>rd</sup> Phase: Hour Distribution                                                                                                                                   |                                          |                       |                        |                                                                                                                                                             |                                      |                                               |                          |              |                          |              |                                    |
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| Subject                                                                                                                                                                    |                                          | Lecture<br>(in hours) | Tutorial<br>(in hours) | Practical/<br>Demonstration<br>(in hours)                                                                                                                   | Integrated<br>teaching<br>(in hours) | Clinical<br>bedside<br>teaching<br>(in weeks) | Formative<br>Exam        |              | Summative<br>exam        |              | Total<br>(in hours)                |
|                                                                                                                                                                            |                                          |                       |                        |                                                                                                                                                             |                                      |                                               | Prepara<br>tory<br>leave | Exam<br>time | Prepa<br>ratory<br>leave | Exam<br>time |                                    |
| Teaching-learning, both<br>formative & summative<br>assessment                                                                                                             | Community<br>Medicine & Public<br>Health | 110                   | 155                    | COME (community<br>based medical<br>education):<br>30 days (10 days day<br>visit<br>+ 10 days RFST<br>+10 days study<br>tour)= <b>30 days</b><br>(10+10+10) | 18                                   | -                                             | 07<br>days               | 12<br>days   | 07<br>days               | 12<br>days   | 265<br>+<br>30 days                |
|                                                                                                                                                                            | Pathology                                | 60                    | 54                     | 27                                                                                                                                                          |                                      | -                                             |                          |              |                          |              | 141                                |
|                                                                                                                                                                            | Microbiology                             | 87                    | 38                     | 30                                                                                                                                                          |                                      | -                                             |                          |              |                          |              | 155                                |
| Teaching-<br>learning and<br>only<br>formative<br>assessment                                                                                                               | Medicine & Allied<br>subjects            | 48                    | -                      | -                                                                                                                                                           | -                                    | 14                                            | -                        | -            | -                        | -            | 48                                 |
|                                                                                                                                                                            | Surgery & Allied<br>subjects             | 103                   | -                      | -                                                                                                                                                           | -                                    | 15                                            | -                        | -            | -                        | -            | 103                                |
|                                                                                                                                                                            | Obstetrics and<br>Gynaecology            | 30                    | -                      | -                                                                                                                                                           | -                                    | 8                                             | -                        | -            | -                        | -            | 30                                 |
| Total                                                                                                                                                                      |                                          | 438                   | 247                    | 57 hours + 30 days                                                                                                                                          | 18 hrs                               | 37 weeks                                      | 19 days                  |              | 19 days                  |              | 631                                |
| Grand Total                                                                                                                                                                |                                          | 760 hrs + 30 days     |                        |                                                                                                                                                             |                                      | 37 weeks                                      | 38 days                  |              |                          |              | 742+18(IT)<br>=760 hrs<br>+30 days |
| Generic Topics on Medical Humanities: (i) Integrity and accountability of medical professionals (ii) Aspects of a good doctor will be taught within 3 <sup>rd</sup> phase. |                                          |                       |                        |                                                                                                                                                             |                                      |                                               |                          |              |                          |              | 3 hrs                              |
| Time for integrated teaching, examination preparatory leave and formative and summative assessment is common for all subjects of the phase                                 |                                          |                       |                        |                                                                                                                                                             |                                      |                                               |                          |              |                          |              |                                    |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.       |                                          |                       |                        |                                                                                                                                                             |                                      |                                               |                          |              |                          |              |                                    |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                                   |                                          |                       |                        |                                                                                                                                                             |                                      |                                               |                          |              |                          |              |                                    |

| 4 <sup>th</sup> Phase : Hour Distribution                                                                                                                                         |                            |                       |                                                                                                                                                              |                                                |                                               |                                 |                             |                           |                  |                           |                  |                  |
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| Subject                                                                                                                                                                           |                            | Lecture<br>(in hours) | Small group teaching<br>(in hours)                                                                                                                           | Departmental integrated<br>teaching (in hours) | Common hours for phase<br>integrated teaching | Clinical teaching<br>(in weeks) | Block posting<br>(in weeks) | Formative<br>Exam         |                  | Summati<br>ve exam        |                  | Total (in hours) |
|                                                                                                                                                                                   |                            |                       | PBL, Practical demonstration, Instrumental demonstration, Skill lab, Demonstration on equipment, Demonstration on common clinical procedure, Tutorial & etc. |                                                |                                               |                                 |                             | Preparatory leave         | Exam time        | Preparatory leave         | Exam time        |                  |
| Teaching-learning, both formative & summative assessment                                                                                                                          | Medicine & Allied subjects | 153                   | 199                                                                                                                                                          | 20                                             | 126                                           | 24                              | 4                           | Preparatory leave 10 days | Exam time 15days | Preparatory leave 10 days | Exam time 30days | 372              |
|                                                                                                                                                                                   | Surgery & Allied subjects  | 186                   | 134                                                                                                                                                          | 22                                             |                                               | 24                              | 4                           |                           |                  |                           |                  | 342              |
|                                                                                                                                                                                   | Obstetrics and Gynaecology | 60                    | 58                                                                                                                                                           | 20                                             |                                               | 08                              | 4                           |                           |                  |                           |                  | 138              |
| Total                                                                                                                                                                             |                            | 399                   | 391                                                                                                                                                          | 62                                             | 126                                           | 56wks                           | 12 wks                      | 25 days                   |                  | 40 days                   |                  | 852              |
| Grand Total                                                                                                                                                                       |                            | 978 hours             |                                                                                                                                                              |                                                |                                               | 68 wks                          |                             | 65 days                   |                  |                           |                  | 852+126 (IT)=978 |
| Generic Topics on Medical Humanities: (i) Medical professionalism, (ii) Inter-professionalism & (iii) Patient Safety & Medical Error will be taught within 4 <sup>th</sup> phase. |                            |                       |                                                                                                                                                              |                                                |                                               |                                 |                             |                           |                  |                           |                  | 5 hrs            |
| Time for integrated teaching, examination preparatory leave and formative and summative assessment is common for all subjects of the phase                                        |                            |                       |                                                                                                                                                              |                                                |                                               |                                 |                             |                           |                  |                           |                  |                  |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world.              |                            |                       |                                                                                                                                                              |                                                |                                               |                                 |                             |                           |                  |                           |                  |                  |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                                          |                            |                       |                                                                                                                                                              |                                                |                                               |                                 |                             |                           |                  |                           |                  |                  |

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| <b>Generic Topics on Medical Humanities for Internship Period:</b> (i) White coat ceremony, (ii) Career planning & (iii) Continuing Medical Education (CME), Continuing Professional Development (CPD) & Infection Control Practice (ICP) | 10 hrs |
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## Medicine & Allied Subjects: hour distribution in 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Subject                                                                                                                                                              | Lecture (in hours)    |                       |                       |       | Small group teaching (in hours) | Departmental integrated teaching (in hours) | Phase integrated teaching (in hours) | Clinical/Bedside teaching (in weeks) |                       |                       | Total weeks | Block posting (in weeks) | Formative examination (in days)               | Summative examination (in days)               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-------|---------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|-----------------------|-------------|--------------------------|-----------------------------------------------|-----------------------------------------------|--|
|                                                                                                                                                                      | 2 <sup>nd</sup> Phase | 3 <sup>rd</sup> Phase | 4 <sup>th</sup> Phase | Total |                                 |                                             |                                      | 2 <sup>nd</sup> Phase                | 3 <sup>rd</sup> Phase | 4 <sup>th</sup> Phase |             |                          |                                               |                                               |  |
| Internal medicine                                                                                                                                                    | 22                    | 25                    | 90                    | 137   | 199 hours                       | (10 topics ×2 hours) = 20 hours             | (42 topics × 3 hours) = 126 hours    | 14                                   | 06+2 (OPD)            | 12                    | 34          | 04 wks                   | Preparatory leave-10 days<br>Exam time-15days | Preparatory leave-10 days<br>Exam time-30days |  |
| Psychiatry                                                                                                                                                           | 02                    | -                     | 18                    | 20    |                                 |                                             |                                      | -                                    | 02                    | 03                    | 05          |                          |                                               |                                               |  |
| Dermatology                                                                                                                                                          | -                     | -                     | 17                    | 17    |                                 |                                             |                                      | -                                    | 02                    | 03                    | 05          |                          |                                               |                                               |  |
| Pediatrics                                                                                                                                                           | 04                    | 20                    | 22                    | 46    |                                 |                                             |                                      | 04                                   | -                     | 06                    | 10          |                          |                                               |                                               |  |
| Transfusion medicine                                                                                                                                                 | -                     | 03                    | -                     | 03    |                                 |                                             |                                      | 01                                   | -                     | -                     | 01          |                          |                                               |                                               |  |
| Physical Medicine                                                                                                                                                    | -                     | -                     | 04                    | 04    |                                 |                                             |                                      | 02                                   | -                     | -                     | 02          |                          |                                               |                                               |  |
| Nuclear Medicine                                                                                                                                                     | -                     | -                     | 02                    | 02    |                                 |                                             |                                      | -                                    | -                     | -                     | -           |                          |                                               |                                               |  |
| Emergency                                                                                                                                                            | -                     | -                     | -                     | -     |                                 |                                             |                                      | -                                    | 02                    | -                     | 02          |                          |                                               |                                               |  |
| Total                                                                                                                                                                | 28                    | 48                    | 153                   | 229   | 199                             | 20                                          | 126 hours                            | 21                                   | 14                    | 24                    | 59          | 04 wks                   | 25 days                                       | 40 days                                       |  |
| Grand Total                                                                                                                                                          | 448 hours             |                       |                       |       |                                 | 126 hours                                   |                                      | 63 weeks                             |                       |                       |             |                          | 65 days                                       |                                               |  |
| Time for integrated teaching, examination preparatory leave and formative & summative assessment is common for all subjects of the phase                             |                       |                       |                       |       |                                 |                                             |                                      |                                      |                       |                       |             |                          |                                               |                                               |  |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world. |                       |                       |                       |       |                                 |                                             |                                      |                                      |                       |                       |             |                          |                                               |                                               |  |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                             |                       |                       |                       |       |                                 |                                             |                                      |                                      |                       |                       |             |                          |                                               |                                               |  |

## Medicine & Allied Subjects: hour distribution for Clinical/Bedside teaching in 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Subject              | Clinical/Bedside & Ambulatory care teaching (in hours)       |                   |                                                              |                   |                                                              |                   | Total hours<br>(in three phases) | Total weeks<br><br>{(2 <sup>nd</sup> phase wks<br>+ 3 <sup>rd</sup> phase wks<br>+ 4 <sup>th</sup> phase wks)<br>= Total three phases wks)<br>× (6 days × 4 or 2 hours)} |
|----------------------|--------------------------------------------------------------|-------------------|--------------------------------------------------------------|-------------------|--------------------------------------------------------------|-------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | 2 <sup>nd</sup> Phase                                        |                   | 3 <sup>rd</sup> Phase                                        |                   | 4 <sup>th</sup> Phase                                        |                   |                                  |                                                                                                                                                                          |
|                      | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   |                                  |                                                                                                                                                                          |
|                      | Morning                                                      | Evening           | Morning                                                      | Evening           | Morning                                                      | Evening           |                                  |                                                                                                                                                                          |
|                      | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency |                                  |                                                                                                                                                                          |
|                      | 21 weeks                                                     |                   | 14 weeks                                                     |                   | 28 weeks                                                     |                   |                                  |                                                                                                                                                                          |
| Internal medicine    | 168 h (14w)                                                  | 168 h (14w)       | 96 h (8w)                                                    | 96 h (8w)         | 144 h (12w)                                                  | 144 h (12w)       | 816 h                            | {14+(6+2)+12}= <b>34 w</b> × (6 days × 4 hrs)                                                                                                                            |
| Psychiatry           | -                                                            | -                 | 24 h (2w)                                                    | 24 h (2w)         | 36 h (3w)                                                    | 36 h (3w)         | 120 h                            | (0+2+3)= <b>05 w</b> × (6 days × 4 hrs)                                                                                                                                  |
| Dermatology          | -                                                            | -                 | 24 h (2w)                                                    | 24 h (2w)         | 36 h (3w)                                                    | 36 h (3w)         | 120 h                            | (0+2+3)= <b>05 w</b> × (6 days × 4 hrs)                                                                                                                                  |
| Pediatrics           | 48 h (4w)                                                    | 48 h (4w)         | -                                                            | -                 | 72 h (6w)                                                    | 72 h (6w)         | 240 h                            | (4+0+6)= <b>10 w</b> × (6 days × 4 hrs)                                                                                                                                  |
| Transfusion medicine | 12 h (1w)                                                    | -                 | -                                                            | -                 | -                                                            | -                 | 12 h                             | (1+0+0) = <b>01 w</b> × (6 days × 2 hrs)                                                                                                                                 |
| Physical Medicine    | 24 h (2w)                                                    | -                 | -                                                            | -                 | -                                                            | -                 | 24 h                             | (2+0+0)= <b>02 w</b> × ( 6days × 2hrs)                                                                                                                                   |
| Emergency            | -                                                            | -                 | 24 h (2w)                                                    | 24 h (2w)         | -                                                            | -                 | 48 h                             | (0+2+0)= <b>02 w</b> × ( 6days × 4hrs)                                                                                                                                   |
| Block posting        | -                                                            | -                 | -                                                            | -                 | 48 h (4w)                                                    | 48 h (4w)         | 96 h                             | (0+0+4)= <b>04 w</b> × ( 6days × 4hrs)                                                                                                                                   |
| Total                | 252 hrs                                                      | 216 hrs           | 168 hrs                                                      | 168 hrs           | 336 hrs                                                      | 336 hrs           | 1476 hrs                         | 63 weeks                                                                                                                                                                 |

## Surgery & Allied Subjects: Hour distribution in 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Subject                                                                                                                                                              | Lecture (in hours)    |                       |                       |       | Small group teaching (in hours)                                                      | Departmental integrated teaching (in hours) | Phase integrated teaching (in hours) | Clinical/Bedside teaching (in weeks) |                       |                       | Total weeks     | Block posting (in weeks) | Formative examination (in days) |                  | Summative examination (in days) |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-------|--------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|-----------------------|-----------------|--------------------------|---------------------------------|------------------|---------------------------------|------------------|
|                                                                                                                                                                      | 2 <sup>nd</sup> Phase | 3 <sup>rd</sup> Phase | 4 <sup>th</sup> Phase | Total | PBL, Practical demonstration, Instrumental demonstration, Skill lab, Tutorial & etc. |                                             |                                      | 2 <sup>nd</sup> Phase                | 3 <sup>rd</sup> Phase | 4 <sup>th</sup> Phase |                 |                          |                                 |                  |                                 |                  |
| General surgery                                                                                                                                                      | 35                    | 30                    | 60                    | 125   | 134 hours                                                                            | (11 topics × 2 hours) = 22 hours            | (42 topics × 3 hours) = 126 hours    | 15                                   | 01                    | 07                    | 23              | 04 wks                   | Preparatory leave-10 days       | Exam time-15days | Preparatory leave-10 days       | Exam time-30days |
| Orthopaedic surgery                                                                                                                                                  | -                     | 15                    | 45                    | 60    |                                                                                      |                                             |                                      | 02                                   | 04                    | 04                    | 10              |                          |                                 |                  |                                 |                  |
| Radiology                                                                                                                                                            | -                     | -                     | 05                    | 05    |                                                                                      |                                             |                                      | 01                                   | -                     | -                     | 01              |                          |                                 |                  |                                 |                  |
| Radiotherapy                                                                                                                                                         | -                     | -                     | 08                    | 08    |                                                                                      |                                             |                                      | -                                    | 01                    | -                     | 01              |                          |                                 |                  |                                 |                  |
| Anesthesia                                                                                                                                                           | -                     | 10                    | -                     | 10    |                                                                                      |                                             |                                      | 01                                   | -                     | -                     | 01              |                          |                                 |                  |                                 |                  |
| Neurosurgery                                                                                                                                                         | -                     | -                     | 05                    | 05    |                                                                                      |                                             |                                      | -                                    | 01                    | -                     | 01              |                          |                                 |                  |                                 |                  |
| Pediatric surgery                                                                                                                                                    | -                     | 05                    | 10                    | 15    |                                                                                      |                                             |                                      | -                                    | -                     | 02                    | 02              |                          |                                 |                  |                                 |                  |
| Urology                                                                                                                                                              | -                     | 05                    | 10                    | 15    |                                                                                      |                                             |                                      | -                                    | -                     | 02                    | 02              |                          |                                 |                  |                                 |                  |
| Burn & Plastic surgery/ Emergency & Casualty                                                                                                                         | -                     | -                     | 05                    | 05    |                                                                                      |                                             |                                      | -                                    | -                     | 01                    | 01              |                          |                                 |                  |                                 |                  |
| Dentistry                                                                                                                                                            | -                     | -                     | -                     | -     |                                                                                      |                                             |                                      | 01                                   |                       |                       | 01              |                          |                                 |                  |                                 |                  |
| Ophthalmology                                                                                                                                                        | -                     |                       | 38                    | 38    |                                                                                      |                                             |                                      | -                                    | 04                    | 04                    | 08              |                          |                                 |                  |                                 |                  |
| Otolaryngology                                                                                                                                                       | -                     |                       | 38                    | 38    |                                                                                      |                                             |                                      | -                                    | 04                    | 04                    | 08              |                          |                                 |                  |                                 |                  |
| Total                                                                                                                                                                |                       | 324                   |                       |       | 134                                                                                  | 22                                          | 126 hrs                              | 20                                   | 15                    | 24                    | 59 wks          | 04 wks                   | 25 days                         |                  | 40 days                         |                  |
| <b>Grand Total</b>                                                                                                                                                   |                       |                       |                       |       | <b>480 hours</b>                                                                     |                                             | <b>126 hrs</b>                       |                                      |                       |                       | <b>63 weeks</b> |                          |                                 |                  | <b>65 days</b>                  |                  |
| <i>Time for integrated teaching, examination preparatory leave and formative &amp; summative assessment is common for all subjects of the phase</i>                  |                       |                       |                       |       |                                                                                      |                                             |                                      |                                      |                       |                       |                 |                          |                                 |                  |                                 |                  |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world. |                       |                       |                       |       |                                                                                      |                                             |                                      |                                      |                       |                       |                 |                          |                                 |                  |                                 |                  |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                             |                       |                       |                       |       |                                                                                      |                                             |                                      |                                      |                       |                       |                 |                          |                                 |                  |                                 |                  |

## Surgery & Allied Subjects: Hours distribution for Clinical/Bedside teaching in 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Subject                                         | Clinical/Bedside & Ambulatory care teaching (in hours)             |                                    |                                                                    |                                    |                                                                    |                                    | Total hours<br>(in three phases) | Total weeks<br><br>{(2 <sup>nd</sup> phase wks<br>+ 3 <sup>rd</sup> phase wks<br>+ 4 <sup>th</sup> phase wks<br>= Total three phases wks)<br>× (6 days × 4 or 2 hours)} |
|-------------------------------------------------|--------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | 2 <sup>nd</sup> Phase                                              |                                    | 3 <sup>rd</sup> Phase                                              |                                    | 4 <sup>th</sup> Phase                                              |                                    |                                  |                                                                                                                                                                         |
|                                                 | Indoor clinical/ bedside teaching<br>&<br>Ambulatory care teaching |                                    | Indoor clinical/ bedside teaching<br>&<br>Ambulatory care teaching |                                    | Indoor clinical/ bedside teaching<br>&<br>Ambulatory care teaching |                                    |                                  |                                                                                                                                                                         |
|                                                 | Morning                                                            | Evening                            | Morning                                                            | Evening                            | Morning                                                            | Evening                            |                                  |                                                                                                                                                                         |
|                                                 | Indoor/ OPD/<br>Emergency &<br>Casualty                            | Indoor/<br>Emergency &<br>Casualty | Indoor/ OPD/<br>Emergency &<br>Casualty                            | Indoor/<br>Emergency &<br>Casualty | Indoor/ OPD/<br>Emergency &<br>Casualty                            | Indoor/<br>Emergency &<br>Casualty |                                  |                                                                                                                                                                         |
|                                                 | 20 weeks                                                           |                                    | 15 weeks                                                           |                                    | 28 weeks                                                           |                                    |                                  |                                                                                                                                                                         |
| General surgery                                 | 180 h (15w)                                                        | 180 h (15w)                        | 12 h (1w)                                                          | 12 h (1w)                          | 84 h (7w)                                                          | 84 h (7w)                          | 552 h                            | (15+01+07) = <b>23 w</b> × (6 days × 4 hrs)                                                                                                                             |
| Orthopaedic surgery                             | 24 h (2w)                                                          | 24 h (2w)                          | 48 h (4w)                                                          | 48 h (4w)                          | 48 h (4w)                                                          | 48 h (4w)                          | 240 h                            | (2+4+4) = <b>10 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Radiology                                       | 12 h (1w)                                                          | -                                  | -                                                                  | -                                  | -                                                                  | -                                  | 12 h                             | (1+0+0) = <b>01 w</b> × (6 days × 2 hrs)                                                                                                                                |
| Radiotherapy                                    | -                                                                  | -                                  | 12 h (1w)                                                          | -                                  | -                                                                  | -                                  | 12 h                             | (0+1+0) = <b>01 w</b> × (6 days × 2 hrs)                                                                                                                                |
| Anesthesia                                      | 12 h (1w)                                                          | 12 h (1w)                          | -                                                                  | -                                  | -                                                                  | -                                  | 24 h                             | (1+0+0) = <b>01 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Neurosurgery                                    | -                                                                  | -                                  | 12 h (1w)                                                          | 12 h (1w)                          | -                                                                  | -                                  | 24 h                             | (0+1+0) = <b>01 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Pediatric surgery                               | -                                                                  | -                                  | -                                                                  | -                                  | 24 h (2w)                                                          | 24 h (2w)                          | 48 h                             | (0+0+2) = <b>02 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Urology                                         | -                                                                  | -                                  | -                                                                  | -                                  | 24 h (2w)                                                          | 24 h (2w)                          | 48 h                             | (0+0+2) = <b>02 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Burn & Plastic surgery/<br>Emergency & Casualty | -                                                                  | -                                  | -                                                                  | -                                  | 12 h (1w)                                                          | 12 h (1w)                          | 24 h                             | (0+0+1) = <b>01 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Dentistry                                       | 12 h (1w)                                                          | -                                  | -                                                                  | -                                  | -                                                                  | -                                  | 12 h                             | (1+0+0) = <b>01 w</b> × (6 days × 2 hrs)                                                                                                                                |
| Ophthalmology                                   | -                                                                  | -                                  | 48 h (4w)                                                          | 48 h (4w)                          | 48 h (4w)                                                          | 48 h (4w)                          | 192 h                            | (0+4+4) = <b>08 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Otolaryngology                                  | -                                                                  | -                                  | 48 h (4w)                                                          | 48 h (4w)                          | 48 h (4w)                                                          | 48 h (4w)                          | 192 h                            | (0+4+4) = <b>08 w</b> × (6 days × 4 hrs)                                                                                                                                |
| Block posting                                   | -                                                                  | -                                  | -                                                                  | -                                  | 48 h (4w)                                                          | 48 h (4w)                          | 96 h                             | (0+0+4)= <b>04 w</b> × ( 6days × 4hrs)                                                                                                                                  |
| Total                                           | 240 hrs                                                            | 216 hrs                            | 180 hrs                                                            | 168 hrs                            | 336 hrs                                                            | 336 hrs                            | 1476 hrs                         | 63 weeks                                                                                                                                                                |

## Obstetrics & Gynaecology: Hours distribution in 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Lecture (in hours)                                                                                                                                                   |                       |                       |       | Small group teaching (in hours)                                                       | Departmental integrated teaching (in hours) | Phase integrated teaching (in hours) | Clinical/Bedside teaching (in weeks) |                       | Block posting (in weeks) | Formative examination (in days) |                   | Summative examination (in days) |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------|---------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|-----------------------|--------------------------|---------------------------------|-------------------|---------------------------------|-------------------|
|                                                                                                                                                                      | 3 <sup>rd</sup> Phase | 4 <sup>th</sup> Phase | Total | PBL, Practical demonstration , Instrumental demonstration, Skill lab, Tutorial & etc. |                                             |                                      | 3 <sup>rd</sup> Phase                | 4 <sup>th</sup> Phase |                          | Preparatory leave 10 days       | Exam time 15 days | Preparatory leave 10 days       | Exam time 15 days |
|                                                                                                                                                                      |                       |                       |       |                                                                                       |                                             |                                      | 8wks                                 | 8wks                  |                          |                                 |                   |                                 |                   |
| Total                                                                                                                                                                | 30                    | 60                    | 90    | 58 hours                                                                              | (10 topics × 2 hours)<br>= 20 hours         | (42 topics × 3 hours)<br>= 126 hours | 16 weeks                             |                       | 04 wks                   | 25 days                         |                   | 40 days                         |                   |
| Grand Total                                                                                                                                                          | 168 hours             |                       |       |                                                                                       |                                             | 126 hours                            | 20 weeks                             |                       |                          | 65 days                         |                   |                                 |                   |
| Time for integrated teaching, examination preparatory leave and formative & summative assessment is common for all subjects of the phase                             |                       |                       |       |                                                                                       |                                             |                                      |                                      |                       |                          |                                 |                   |                                 |                   |
| Preventive aspects of all diseases will be given due importance in teaching learning considering public health context of the country and others parts of the world. |                       |                       |       |                                                                                       |                                             |                                      |                                      |                       |                          |                                 |                   |                                 |                   |
| Related behavioral, professional & ethical issues will be discussed in all clinical and other teaching learning sessions                                             |                       |                       |       |                                                                                       |                                             |                                      |                                      |                       |                          |                                 |                   |                                 |                   |

## Obstetrics & Gynaecology: Hours distribution for Clinical/Bedside teaching in 3<sup>rd</sup> & 4<sup>th</sup> phases in details

| Subject                                      | Clinical/Bedside & Ambulatory care teaching (in hours)       |                   |                                                              |                   |                                                              |                   | Total hours<br>(in three phases) | Total weeks<br><br>{(2 <sup>nd</sup> phase wks<br>+ 3 <sup>rd</sup> phase wks<br>+ 4 <sup>th</sup> phase wks<br>= Total three phases wks)<br>×(6 days× 4 or 7 hours)} |
|----------------------------------------------|--------------------------------------------------------------|-------------------|--------------------------------------------------------------|-------------------|--------------------------------------------------------------|-------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              | 2 <sup>nd</sup> Phase                                        |                   | 3 <sup>rd</sup> Phase                                        |                   | 4 <sup>th</sup> Phase                                        |                   |                                  |                                                                                                                                                                       |
|                                              | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   | Indoor clinical/ bedside teaching & Ambulatory care teaching |                   |                                  |                                                                                                                                                                       |
|                                              | Morning                                                      | Evening           | Morning                                                      | Evening           | Morning                                                      | Evening           |                                  |                                                                                                                                                                       |
|                                              | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency | Indoor/ OPD/ Emergency/ Out reached center                   | Indoor/ Emergency |                                  |                                                                                                                                                                       |
|                                              |                                                              |                   | 8 weeks                                                      |                   | 12 weeks                                                     |                   |                                  |                                                                                                                                                                       |
| Basic Clinical Skills (in-patient)           | -                                                            | -                 | 48 h (4w)                                                    | 48 h (4w)         | -                                                            | -                 | 96 h                             | (0+4+0)= <b>04 w</b> × (6 days × 4 hrs)                                                                                                                               |
| Family Planning Clinic                       | -                                                            | -                 | 24 h (2w)                                                    | 24 h (2w)         | -                                                            | -                 | 48 h                             | (0+2+0)= <b>02 w</b> × (6 days × 4 hrs)                                                                                                                               |
| Gynae & Antenatal Out-patient Clinic         | -                                                            | -                 | 24 h (2w)                                                    | 24 h (2w)         | -                                                            | -                 | 48 h                             | (0+2+0)= <b>02 w</b> × (6 days × 4 hrs)                                                                                                                               |
| Routine Obstetrics                           | -                                                            | -                 | -                                                            | -                 | 36 h (3w)                                                    | 36 h (3w)         | 72 h                             | (0+0+3)= <b>03 w</b> × (6 days × 4 hrs)                                                                                                                               |
| Routine Gynaecology                          | -                                                            | -                 | -                                                            | -                 | 36 h (3w)                                                    | 36 h (3w)         | 72 h                             | (0+0+3)= <b>03 w</b> × (6 days × 4 hrs)                                                                                                                               |
| Emergency Obstetric Care E.O.C (Labour Room) | -                                                            | -                 | -                                                            | -                 | 24 h (2w)                                                    | 60 h (2w)         | 84 h                             | (0+0+2)= <b>02 w</b> × (6 days × 7 hrs)                                                                                                                               |
| Block posting                                | -                                                            | -                 | -                                                            | -                 | 48 h (4w)                                                    | 48 h (4w)         | 96 h                             | (0+0+4)= <b>04 w</b> × ( 6days × 4hrs)                                                                                                                                |
| Total                                        | -                                                            | -                 | 96 hrs                                                       | 96 hrs            | 144 hrs                                                      | 180 hrs           | 516 hrs                          | 24 weeks                                                                                                                                                              |

## 8. Teaching & learning methods

The following teaching and learning methods will be followed:

Large Group Teaching:

- Lecture
- Seminar

Integrated teaching : 102 topics

- Phase I : 12 topics
- Phase II: 7 topics
- Phase III: 10 topics
- Phase IV: Common 42 topics + Departmental 31 topics = 73 topics  
- (*Departmental topics Medicine 10 topics + Surgery 11 topics + Gynae & Obs 10 topics*)

Small Group Teaching:

- Problem Based Learning (PBL)
- Tutorial
- Demonstration
- Students interaction

Practical session:

- Use of practical manual
- Performing the task/examination by the student
- Writing the practical note book

Field Placement (Community based medical education):

- In small groups for performing activities by the student themselves

Clinical teaching:

- In ward, OPD, ED, ambulatory care teaching, OT, POW, ICU, etc.
- By concerned persons

NB: Ambulatory care teaching, there should be a ratio of 1:4 (25% ambulatory care teaching and 75% indoor teaching).

Encourage to learn ICT through computer lab of the college.

## 9. Assessment:

- A. There will be in-course/formative (item/card/term) and end-course/summative (professional) assessment for the students in each phase (1st, 2<sup>nd</sup>, 3rd & 4<sup>th</sup> phase) of the course i.e. formative and professional examination.
- B. Formative assessment will be done through results of items, card and term ending examination, weightage from integrated teaching & class attendance.
- C. For formative assessment, 10% marks of written examination of each paper of each subject is allocated
- D. In written examination for MCQ of each paper, 20% marks are allocated. Out of that Single based answer (SBA) type of MCQ will be 50% and Multiple true false (MTF) type of MCQ 50% in formative and summative assessment of all subjects of MBBS course. There will be separate answer script for MCQ part of examination. Total number of MCQ will be 20 for 20 marks out of which 10marks for SBA and 10marks for MTF.

- E. Short Answer Question (SAQ) and Structured Essay Question (SEQ) will be in written examination of each paper, 70% marks are allocated. Out of 70 marks Structured essay question (SEQ) will be around 25% along with short answer question (SAQ) around 75% in formative and summative assessment of all subjects of MBBS course
- F. Oral part of the examination will be Structured Oral examination (SOE)
- G. OSPE/OSCE will be used for assessing skills/competencies. Traditional long & short cases will be also used for clinical assessment
- H. There will be phase final professional examination within the each academic phase.
- I. Results will be published as per following GPA system with the provision of reflection of marks in the academic transcript

| Numerical Grade      | Letter Grade   | Grade Point |
|----------------------|----------------|-------------|
| 80% and above        | A <sup>+</sup> | 4.00        |
| 75% to less than 80% | A              | 3.75        |
| 70% to less than 75% | A <sup>-</sup> | 3.50        |
| 65% to less than 70% | B <sup>+</sup> | 3.25        |
| 60% to less than 65% | B              | 3.00        |
| Less than 60%        | F              | 0.00        |

**J. Eligibility for appearing in the professional examination:**

- Certificate from the respective head of departments regarding students obtaining at least 75% attendance in all classes (theory, practical, tutorial, residential field practice, clinical placement etc.) during the phase.
- Obtaining at least 60% marks in formative examinations.
- No student shall be allowed to appear in the professional examinations unless the student passes in all the subjects of the previous professional examinations

**K. Pass Marks:**

Pass marks is 60%. Student shall have to pass written (SBA & MTF-MCQ +SEQ+ SAQ + formative), oral, practical and clinical examination separately.

## **L. Examinations & distribution of marks:**

### **First Professional Examination**

| <b>Subjects</b> | <b>Written Exam marks</b> | <b>Structured Oral Exam marks</b> | <b>Practical Exam marks</b> | <b>Formative Exam marks</b> | <b>Total Marks</b> |
|-----------------|---------------------------|-----------------------------------|-----------------------------|-----------------------------|--------------------|
| Anatomy         | 180                       | 150                               | 150                         | 20                          | 500                |
| Physiology      | 180                       | 100                               | 100                         | 20                          | 400                |
| Biochemistry    | 180                       | 100                               | 100                         | 20                          | 400                |
| Total           |                           |                                   |                             |                             | 1300               |

### **Second Professional Examination**

| <b>Subjects</b>                | <b>Written Exam marks</b> | <b>Structured Oral Exam marks</b> | <b>Practical Exam marks</b> | <b>Formative Exam marks</b> | <b>Total Marks</b> |
|--------------------------------|---------------------------|-----------------------------------|-----------------------------|-----------------------------|--------------------|
| Pharmacology & Therapeutics    | 90                        | 100                               | 100                         | 10                          | 300                |
| Forensic Medicine & Toxicology | 90                        | 100                               | 100                         | 10                          | 300                |
| Total                          |                           |                                   |                             |                             | 600                |

### **Third Professional Examination**

| <b>Subjects</b>                    | <b>Written Exam marks</b> | <b>Structured Oral Exam marks</b> | <b>Practical Exam marks</b> | <b>Formative Exam marks</b> | <b>Total Marks</b> |
|------------------------------------|---------------------------|-----------------------------------|-----------------------------|-----------------------------|--------------------|
| Community Medicine & Public Health | 90                        | 100                               | 100                         | 10                          | 300                |
| Pathology                          | 90                        | 100                               | 100                         | 10                          | 300                |
| Microbiology                       | 90                        | 100                               | 100                         | 10                          | 300                |
| Total                              |                           |                                   |                             |                             | 900                |

### **Fourth Professional Examination**

| <b>Subjects</b>           | <b>Written Exam marks</b> | <b>Structured Oral Exam marks</b> | <b>Clinical</b> | <b>Practical</b> | <b>Formative Exam marks</b> | <b>Total Marks</b> |
|---------------------------|---------------------------|-----------------------------------|-----------------|------------------|-----------------------------|--------------------|
| Medicine & Allied Subject | 180                       | 100                               | 100             | 100              | 20                          | 500                |
| Surgery & Allied Subject  | 180                       | 100                               | 100             | 100              | 20                          | 500                |
| Obstetrics & Gynecology   | 180                       | 100                               | 100             | 100              | 20                          | 500                |
| Total                     |                           |                                   |                 |                  |                             | 1500               |

#### **M. Common Rules for Examinations**

- a) University professional MBBS examination will be started from May and November.
- b) University professional MBBS examinations will be completed within the specified time of the concerned phase
- c) No carry on system before passing 1<sup>st</sup> professional examination. Students who will appear first professional examination can attend the clinical class before publishing results of first professional examination. If any student fail any subject of first phase in the first professional examination he/she will not be able to continue clinical and other classes of second phase before passing first professional examination.
- d) After passing all the subjects of first professional MBBS examination, students can appear in Second professional MBBS examination if all other prerequisites for appearing in second professional examination are fulfilled as per curriculum.
- e) To appear in third professional MBBS examination students will have to pass all the subjects of the second professional MBBS examination and all other prerequisites for appearing in Third Professional MBBS examination must be fulfilled as per curriculum.
- f) To appear in 4<sup>th</sup> (final) professional MBBS examination students have to pass all the subjects of previous 3<sup>rd</sup> professional MBBS examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.

#### **N. Few directives and consensus about the following issues of assessment:**

- i. Incase of OSPE/OSCE- Instruments/equipment's to be taken to oral boards to ask open questions to the students apart form Structured Oral Examination (SOE). There will be scope of instruments related viva, specially in clinical subjects and where applicable. Central OSPE/OSCE from Dean Office after moderation will be encouraged.
- ii. Incase of Structured Oral Examination (SOE), instead of preparing specific structured question, topics will be fixed considering wide range of contents coverage. Rating scale will be used for marking the students concurrently. Each student will be asked questions from all topics of the set. Equal or average duration of time will be set for every student.

#### **10. Internship :**

- I. After passing final professional MBBS examination students have to enroll for one year log book based mandatory rotatory internship programme. Internship programme will be more structured and supervised. It is compulsory to complete MBBS course & one year supervised internship programme to get permanent registration for doing independent practice.
- II. MBBS graduates must join internship within one month after passing the final professional MBBS examination. Exception can be considered based on the only valid personal medical ground upon approval of the Director of the Medical College Hospital;
- III. Within one year (12 months) of internship period 11 months at respective medical college hospital and one month at Upazila Health Complex (UHC)/field level.
- IV. Timeline of completion of internship will be two years once after joining internship. i.e. it must be completed within two years from the starting date. Exception can be considered based on the only valid personal medical ground upon approval of the Principal of respective Medical College and Director of Medical College Hospital;

### **Generic Topics on Medical Humanities to be Taught in MBBS Course**

The following sixteen generic topics on medical humanities will be taught within 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Phase of MBBS course & Internship period under supervision of the concerned Phase coordination committee in collaboration with medical education unit (MEU). The sessions will be under the guidance of Principal & Vice-principal, coordinated by concerned departments and sessions will be delivered by concerned experts of the topics. Each session will be one and half hour. Attending these session will be mandatory and will be reflected in the formative & summative assessment.

#### **Topics to be taught in Phase-I**

1. Behavioral science
2. Medical Sociology
3. Etiquette in using of Social Medias
4. Self- directed learning including team learning
5. Medical ethics

#### **Topics to be taught in Phase-II**

1. Communication skill
2. Doctor–patient relationship (DPR)
3. Physicians’ bedside manner, etiquette and rapport building with patients

#### **Topics to be taught in Phase-III**

1. Integrity and accountability of medical professionals
2. Aspects of good doctors

#### **Topics to be taught in Phase-IV**

1. Medical professionalism
2. Inter-professionalism
3. Patient Safety

#### **Issues for Internship Period**

1. White coat ceremony
2. Career planning
3. Continuing Medical Education (CME) & Continuing Professional Development (CPD)
4. Causes of death
5. Basic Infection Control Practice (ICP)

### **Integrated Teaching in Phase I**

Teachers of all departments of Phase -1 (Anatomy, Physiology & Biochemistry) must be present during these integrated sessions along with the concerned faculties those are mentioned in the column four in the table below. Teachers will be the speakers/facilitators in each session. The students must actively participate in these sessions and have to submit the summary of each session to the concerned teacher/department as their assignments. This assignment will be a part of practical note book in the summative assessment. Students need to get some 'take home message' from every session. Schedule for integrated teaching session will be set at the phase I committee meeting in collaboration with medical education unit (MEU).

Total 36 hour. Each session will be for 3 hour

#### **A) Term-I:**

1. Coronary artery disease
2. Chronic obstructive pulmonary disease (COPD)
3. Anaemia

#### **B) Term-II:**

4. Diarrhea
5. Diabetes Mellitus (DM)
6. Jaundice
7. Electrolyte imbalance
8. Proteinuria

#### **C) Term-III:**

9. Thyroid disorder
10. Cerebro-vascular disease (CVD)
11. Deafness
12. Errors of refraction

### **Integrated Teaching in Phase II**

All the departments of Phase II (Pharmacology, Forensic Medicine & Toxicology) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical & others departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase II should be ensured. Concern audiovisual aid, equipment and patient will be used. Students need to get some 'take home message' from every session. To ensure presence of the students 10 (Ten) marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule for integrated teaching session will be set at the phase II committee meeting in collaboration with medical education unit (MEU).

**Total -17 hour.** Each session will be for at least 2 hour

1. Electrocution and lightening
2. Burn
3. Drowning
4. Death
5. Poisoning
6. Substance abuse
7. Pulmonary Tuberculosis
8. Malaria

### **Integrated Teaching in Phase III**

All the departments of Phase III (Community Medicine & Public Health, Pathology, Microbiology) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical & others departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase III should be ensured. Students need to get some 'take home message' from every session. To ensure presence of the students Schedule for integrated

teaching session will be set at the phase III committee meeting in collaboration with medical education unit (MEU).

Total -18 hour. Each session will be for at least 2 hour

**Topics:**

1. Occupational and Environmental hazard
2. Snake bite
3. Transportation injuries
4. Disaster management
5. Shock
6. Glomerulonephritis
7. Rheumatoid Arthritis/ Osteomyelitis
8. Different Viral Fevers (Covid-19, Dengue, Chikungunya)
9. Carcinoma Cervix

**Integrated Teaching In Phase IV**

All the departments of phase iv (Medicine & Allied Topics, Surgery & Allied Topics and Gynecology & Obstetrics) must be present and take part in the integrated teaching while the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students 10 (ten) marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of integrated teaching session will be set at the phase IV committee meeting in collaboration with medical education unit (MEU).

Each session will be for at least 3 hours

**Topics :**

- |                               |                                       |
|-------------------------------|---------------------------------------|
| 1. Hypertension               | 22. Low Back Pain                     |
| 2. Tuberculosis               | 23. Joint Pain                        |
| 3. Thyroid Disorder           | 24. Osteoporosis                      |
| 4. Acute Kidney Injury(AKI)   | 25. Acute abdomen                     |
| 5. Fever                      | 26. Thrombophlebitis/Phlebothrombosis |
| 6. Oedema                     | 27. Sepsis                            |
| 7. Chest pain                 | 28. Infection Prevention & Control    |
| 8. Acute respiratory distress | 29. Shock                             |
| 9. DM                         | 30. Fluid and Electrolytes-           |
| 10. Jaundice                  | 31. Burn                              |
| 11. Diarrhea and vomiting     | 32. Per rectal bleeding-              |
| 12. Nutrition                 | 33. Vertigo                           |
| 13. Pediatric Emergency       | 34. Congenital anomalies              |
| 14. Headache                  | 35. Wound infection                   |
| 15. Anxiety                   | 36. Urinary Tract Infection (UTI)     |
| 16. Depression                | 37. AUB                               |
| 17. Psychosis                 | 38. Convulsion                        |
| 18. Drug reaction             | 39. Abdominal Lump                    |
| 19. Generalised pruritus      | 40. Anaemia                           |
| 20. Purpura                   | 41. Unconsciousness                   |
| 21. STI                       | 42. Delirium & Dementia               |

## **Medicine & Allied Subjects Departmental Integrated Teaching- Phase-IV**

Medicine and Allied subjects of phase IV will organized the departmental integrated teaching on the following topics where faculty members of internal medicine and concerned allied subjects must be present and take part in the integrated teaching. While the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

### **Topics :**

1. Heart Failure
2. Congenital Heart Disease
3. Bronchial Asthma
4. Liver Abscess
5. Malabsorption syndrome
6. Irritable bowel syndrome(IBS)
7. Psoriasis
8. Leprosy
9. Autism spectrum disorder (ASD)
10. Somatoform disorder

## **Surgery & Allied Subjects: Departmental Integrated Teaching- Phase-IV**

Surgery and Allied subjects of phase IV will organized the departmental integrated teaching on the following topics where faculty members of General Surgery and concerned allied subjects must be present and take part in the integrated teaching. While the faculty representatives from concerned clinical and other departments will also participate actively. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

### **Topics :**

1. Malignant Bone Tumour
2. Inflammatory Bowel Disease
3. Gastric Outlet Obstruction
4. Sub acute Intestinal obstruction
5. Neck Swelling
6. Epistaxis
7. Stridor in Children
8. Bladder Outflow Obstruction
9. Metabolic Bone Disease
10. Spinal Injury.
11. Proptosis

## **Obstetric & Gynecology : Departmental Integrated Teaching-Phase-IV**

Obstetric & Gynecology of phase IV will organized the departmental integrated teaching on the following topics where faculty members of Obstetric & Gynecology and concerned other subjects must be present and take part in the integrated teaching. Teachers will be the speakers in each session. Participation of the students of phase IV should be ensured. Students need to get some take home message from every session. To ensure presence of the students few marks will be allocated from practical part of the professional examination as a part of integrated teaching and submission of write up on what was learned by the student as summary. Schedule of the departmental integrated teaching session will be set by the department in coordination with the phase IV committee.

Each session will be for at least 2 hours

### **Topics :**

1. Pelvic Inflammatory Disease (PID)
2. Vaginal Discharge
3. Ovarian Tumour
4. Contraceptives
5. Pelvic tuberculosis
6. Normal labour
7. Antenatal care
8. Vital statistics (maternal & perinatal mortality)
9. Puerperium
10. Puberty