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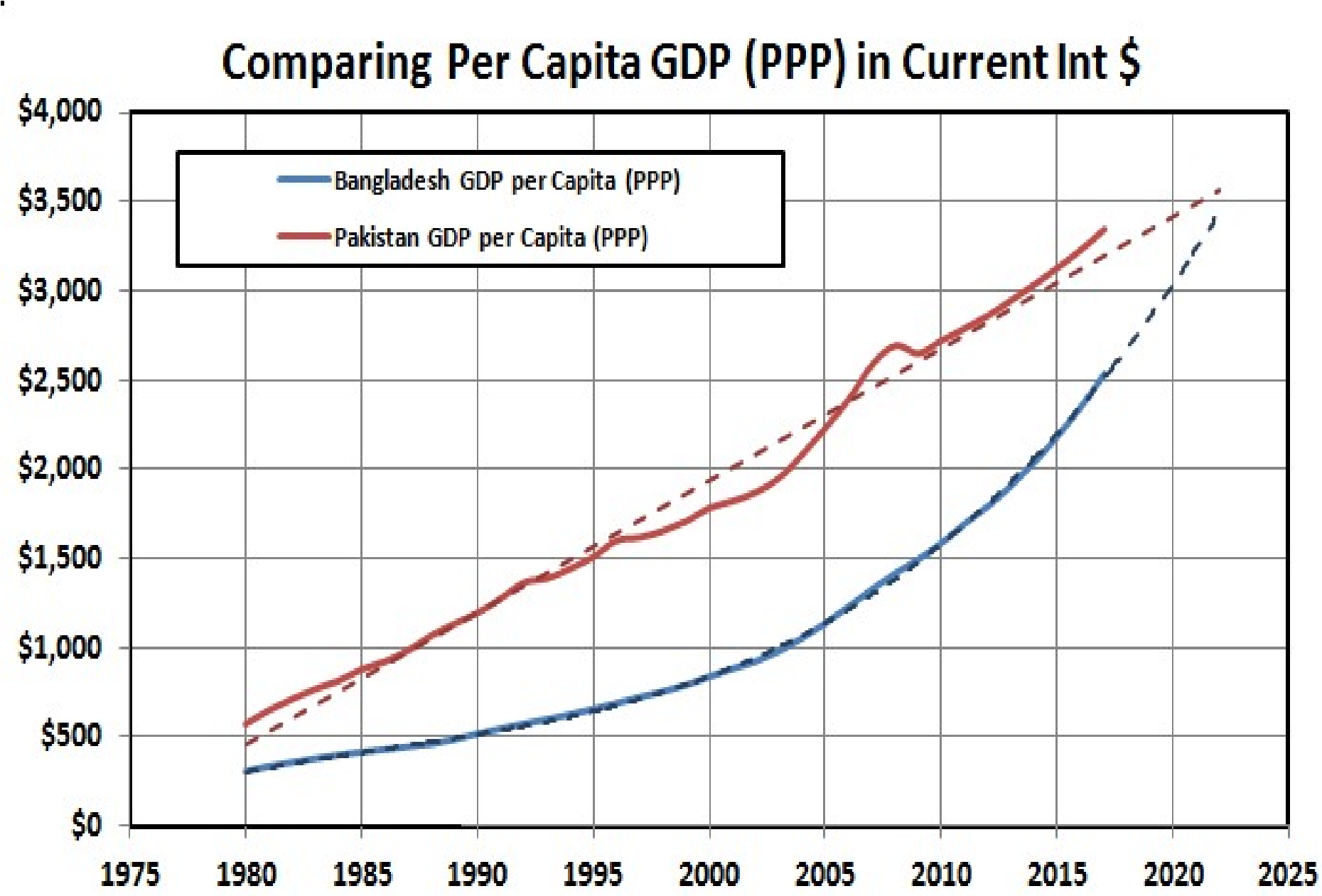
Trend of Our Present ***Medical*** Education is on the ***Right Track***

TITLE

- TREND: A general direction in which something is developing and changing.

- RIGHT TRACK: Something is going in the right direction, but this means the right direction in terms of progress, not physical movement.


Comparing Per Capita GDP (PPP) in Current Int $
Bangladesh GDP per Capita (PPP)
Pakistan GDP per Capita (PPP)
$4,000
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025

Medical Education

- Factors of effective medical education systems:

1. Medical institutions
2. Quality of students
3. Quality of teaching staffs
4. Need based scientific curriculum

Medical Education

Past and Present Days

Oldest Medical Colleges in the Undivided Indian Subcontinent

- Jawaharlal Inst of Post Grad Medical Education and research (1823)
- Calcutta Medical College & Madras Medical College (1835)
- Osmania Medical College,Hyderabad (1846)
- ***Mitford Medical School , Dhaka (1875)***
- Christian Medical College, Vellore (1900)
- ***Dhaka Medical College, Dhaka (1947)***

- MMC (1924)
- ChMC (1927)
- MAG Osm MC (1936)

Pakistan Regime

- RMC (1954)
- Sher E Bangla MC (1964)
- RpMC (1970)

After Independence

- ***Total 83, 29 are public and 54 are private***.
- CoMC (1979)
- **BMC (1986)**
- KMC, SZMC, FMC, DjMC (1992)
- ShSMC (2006)
- PMC, CoxMC (2008)
- JMC (2010)
- Satkhira MC, SSNIMC, KuMC, (2011)
- TMC, JpMC, PkMC,RmMC (2014)
- MgMc (2015)

- Total 83, 29 are public and 54 are private.
- Medical Schools are known as Medical College,
- Under the jurisdiction of the MoHFW.
- Besides, 6 MC ran by BAF and Ministry of Defence
- Affiliated with a university on the respective region.
- Need to fullfill a set of criterion by a central regulatory authority called BMDC.

- All provides MBBS degree.
- BSMMU (Former IPGMR) is the first and only medical university in BD.
- Offers only Postgraduate Degrees (MD,MS,PhD,MPhil,Diploma,FCPS Courses)
- Several institutions in Dhaka which provide MD, MS and Diploma degrees.
- BCPS provides FCPS degree on almost every subject.

- In 2014 ChMC & RMC were also announced to be upgraded as Medical University.
- 1 Govt Dental College (Dhaka Dental College)
- 8 Dental units.
- 14 non Govt Dental Colleges

Medical Curriculum
Past and Present

- First introduced in 1988,
- Had no official curriculum before this,except a syllabus published by BMDC.
- It was further modified in 2002 and 2012

Before 1988: *4 profs, 50% Passmark*

Table 1: Plan for Medical Curriculum in Bangladesh before 1988

Phases	Phase I		Phase II	Phase III	Phase IV
Duration	2 years		1 year	1 year	1 year
	1st year	2nd year	3rd year	4th year	5th year
Content	Anatomy Physiology		Pharmacology and Therapeutics Forensic Medicine and Toxicology	Pathology and Microbiology Community Medicine	Medicine Surgery Obstetrics and Gynaecology
Assessment	Formative assessment and 1st Prof. Exam. at the end of year 2		Formative assessment and 2nd Prof. Exam. at the end of year 3	Formative assessment and 3rd Prof. Exam. at the end of year 4	Formative assessment and Final Prof. at the end of year 5

Note: Pass mark is 50% in each written, practical and oral examination, separately There are three professional examinations each year, January, May and September

1988 Curriculum: *3 Profs, 50%Passmark*

Table 2: Plan for Medical Curriculum in Bangladesh 1988

Phases	Phase I		Phase II		Phase III
Duration	2 years		2 years		1 year
	1st year	2nd year	3rd year	4th year	5th year
Content	Anatomy Physiology Biochemistry		Pharmacology and Therapeutics Forensic Medicine and Toxicology Pathology and Microbiology Community medicine		Medicine Surgery Obstetrics and Gynaecology
Assessment	Formative assessment and 1st Prof. Exam. at the end of year 2		Formative assessment and 2nd Prof. Exam. at the end of year 4		Formative assessment and Final Prof. Exam. at the end of year 5

Note: Pass mark is 50% in each written, practical and oral examination, separately There are three professional examinations each year, January, May and September

2002 Curriculum: A ***New*** Concept

Phases	Phase I		Phase II		Phase III
Duration	I ½ years		2 years		I ½ years
	1st year	2nd year	3rd year	4th year	5th year
Content	Anatomy Physiology Biochemistry		Pharmacology and therapeutics Forensic Medicine and Toxicology Pathology Microbiology Community M edicine		Medicine Surgery Obstetrics and G ynaecology
Assessment	Formative assessment and 1st Prof. Exam. at the end of 1½ years		Formative assessm ent and 2nd Prof. Exam. at the end of year 3½ years		Formative assessment and Final Prof. at the end of year 5

Note: Pass mark is 60% in each written, oral and practical/clinical examination There are two professional examinations each year, January and July 10% marks of written summative examination comes from formative assessment

2002 Curriculum: What is NEW ??

- 3 Profs but duration is rescheduled(6 month is reduced from 1st prof and added to 3rd)
- Pass mark is increased to 60%
- 6monthly term exam is introduced,
- 10% Marks of formative exams are added to Profs, which is totally a NEW CONCEPT.
- Item, Term & Card finals are introduced,
- SAQ are given more emphasis.

- MCQ was introduced to test the depth of knowledge.
- Practical exams are converted to OSPE & OSCE exams.
- Carry On system is introduced.
- Traditional oral exams are converted to structured & methodical ways by introducing item strips and restricting the examiners to ask questions on particular items.

Curriculum 2012

The MBBS course is divided into four phases .

Phase	Duration	Subjects	Examination
1st phase	1½ year	Anatomy Physiology Biochemistry	First Professional MBBS
2nd phase	1 year	Community Medicine Forensic Medicine	Second Professional MBBS
3rd phase	1 year	Pharmacology & Therapeutics Pathology Microbiology	Third Professional MBBS
4th phase	1½ year	Medicine & Allied subjects Surgery & Allied subjects Obstetrics and Gynaecology	Final Professional MBBS

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

Curriculum 2012

- 4 profs system is reintroduced.
- No carry on system before passing 1st prof.
- Professional Exams are also introduced as Phase final Professional exams.
- Formative assessment, MCQ, SAQ, OSPE, OSCE, Structured oral exams are kept as like Currriculum 2002.

Common Rules for Examinations

a) University professional examination to be started from May and November.

b) University professional examinations will be completed within the specified time of the concerned phase

c) No carry on system before passing 1st professional examination

d) After passing 1st professional examination students can appear for 2nd professional examinations if all other prerequisites for 2nd professional examination are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.

e) To appear 3rd professional examination students have to pass all the subjects of previous 2nd professional examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning. Students can also attend the classes of subjects of 4th phase

f) To appear 4th (Final) professional examination students have to pass all the subjects of previous 3rd professional examination if all other prerequisites are fulfilled. In the mean time students can attend clinical ward placement, teaching learning.

MBBS Curriculum: India

The MBBS course comprises four and a half years, followed by compulsory rotatory internship of one year. The course follows semester system, each semester consisting of six months. The MBBS course is divided in to three phases, viz., Pre-clinical, Para-clinical and Clinical Phase, during which following subjects are introduced:

Phase	Semesters	Subjects covered
Pre-clinical	1 – 2 : Two Semesters	Anatomy, Bio-chemistry, Physiology
Para-clinical	3 – 5 : Three Semesters	Community Medicine; Forensic Medicine, Pathology, Pharmacology, Microbiology, Clinical postings in wards, OPDs to begin here;
Clinical	6 – 9 : Four Semesters	Community Medicine, Medicine and allied subjects (Psychiatry, Dermatology); Obst. Gynae.; Pediatrics; Surgery and allied subjects (Anesthesiology, E.N.T., Ophthalmology, Orthopedics); Clinical postings;

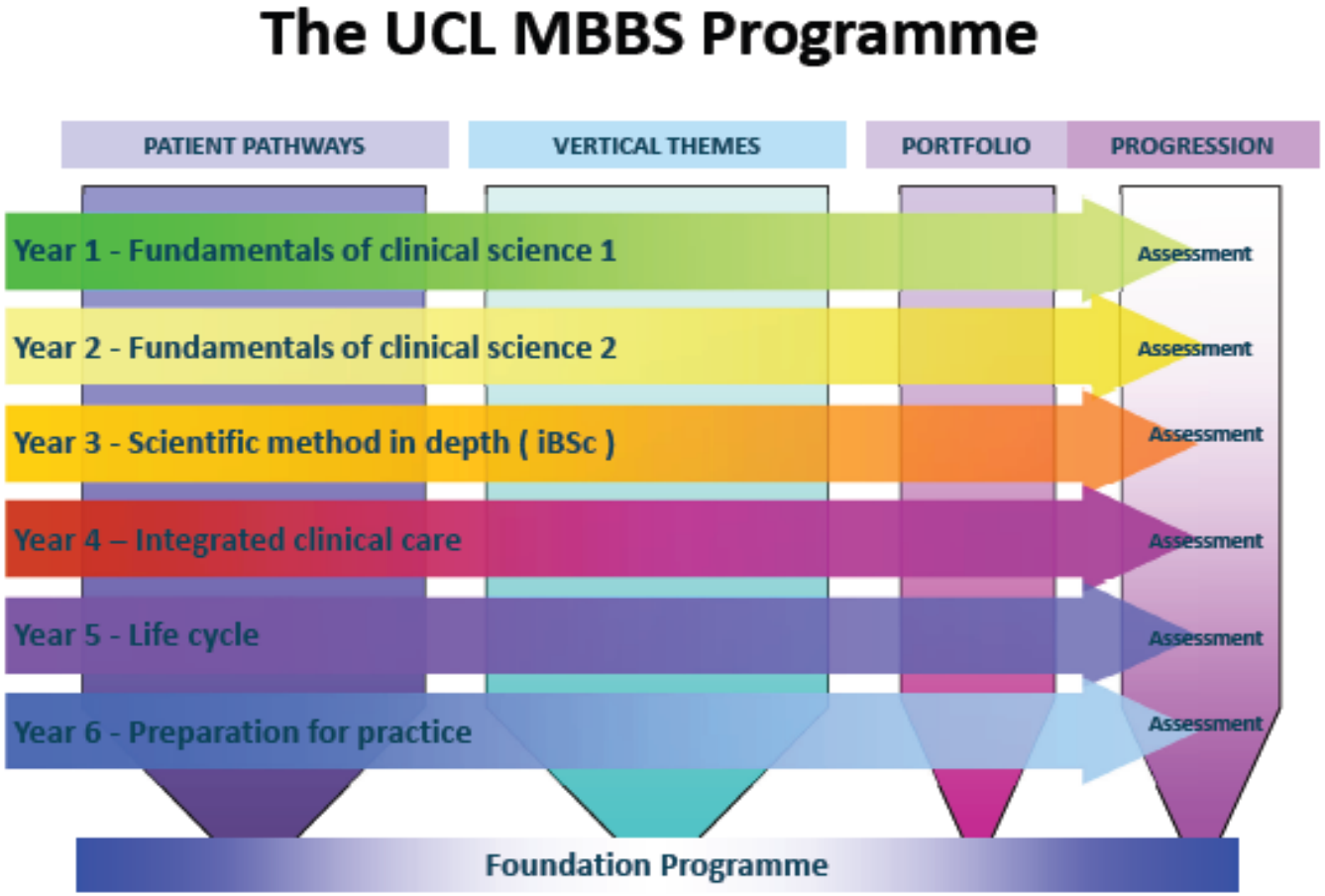
Examination Schedule

There shall be three professional examinations as follows:

First Professional Exam.	End of 2nd Semester
Second Professional Exam.	End of 5th Semester
Final Professional Exam.	End of 9th Semester

In addition, Mid – Semester, End – Semester Examinations and End – posting assessments are held regularly.

MBBS Curriculum: UK



Horizontal Structures

Year 1: Fundamentals of clinical science 1

Year 2: Fundamentals of clinical science 2

Year 3: Integrated BSc

Year 4: Integrated clinical care

Year 5: The life cycle

Year 6: The preparation for practice

Publications regarding medical education in Bangladesh

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