



**COURSE STRUCTURE**  
**CERTIFICATE-IN-MEDICAL TECHNOLOGY**  
**PROGRAM**  
**(1- YEAR PROGRAM)**  
**JANUARY-2011**

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**Bangladesh Technical Education Board**

# **BANGLADESH TECHNICAL EDUCATION BOARD**

## **COURSE STRUCTURE**

**CERTIFICATE-IN-MEDICAL TECHNOLOGY PROGRAM**

**DURATION † 1 YEAR (2 SEMESTER)**

**OFFERED TECHNOLOGIES (JANUARY-2011)**

<b>SL. NO</b>	<b>Technology Code</b>	<b>Name &amp; Technology</b>
1.	12	Certificate-in-Dental Technology
2.	13	Certificate-in-Laboratory Medical Technology
3.	14	Certificate-in-Physiotherapy Technology
4.	15	Certificate-in-Radiology & Imaging Technology
5.	16	Certificate-in-Pharma Technology
6.	17	Certificate-in-Patient care Technology
7.	18	Certificate-in-Paramedical Technology

**CERTIFICATE-IN-DENTAL-TECHNOLOGY [Technology Code-12]**

**1<sup>st</sup> Semester**

SL. No	Subject code	Name of the subject	MARKS							
			T	P	C	Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

**2<sup>nd</sup> Semester**

SL. No	Subject code	Name of the subject	MARKS							
			T	P	C	Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1201	Oral and Dental Anatomy	2	6	4	50	50	60	40	200
2	1202	Chemistry of Dental Materials	2	6	4	50	50	60	40	200
3	1203	Technique of Partial Denture Prosthesis	2	6	4	50	50	60	40	200
4	1204	Community Dentistry Including Primary Dental Care & Oral Hygiene	2	6	4	50	50	60	40	200
5	1205	Applied Dental Prosthesis Technique	2	3	3	50	50	30	20	150
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

## CERTIFICATE-IN-LABORATORY MEDICAL TECHNOLOGY [Technology Code-13]

### 1<sup>st</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

### 2<sup>nd</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1321	Hematology	2	6	4	50	50	60	40	200
2	1322	Immunology & Hormonal Assay	2	6	4	50	50	60	40	200
3	1323	Special Microbiology	2	6	4	50	50	60	40	200
4	1324	Histopathology	2	3	3	50	50	30	20	150
5	1325	Biochemistry	2	6	4	50	50	60	40	200
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

**CERTIFICATE-IN-PHYSIOTHERAPY TECHNOLOGY [Technology Code-14]**

**1<sup>st</sup> Semester**

SL. No	Subject code	Name of the subject	T P C			MARKS				
						Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

**2<sup>nd</sup> Semester**

SL. No	Subject code	Name of the subject	T P C			MARKS				
						Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1421	Kinesiology	2	6	4	50	50	60	40	200
2	1422	Physiotherapy Treatment for Medical & Surgical Condition	2	6	4	50	50	60	40	200
3	1423	Therapeutic Exercise	2	6	4	50	50	60	40	200
4	1424	Electrotherapy and hydrotherapy	2	6	4	50	50	60	40	200
5	1425	Clinical Practice and Professional ethics	2	3	3	50	50	30	20	150
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

## CERTIFICATE-IN-RADIOLOGY AND IMAGING TECHNOLOGY [Technology Code-15]

### 1<sup>st</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T	P	C	Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

### 2<sup>nd</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T	P	C	Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1521	Radiation Physics	2	6	4	50	50	60	40	200
2	1522	X-ray apparatus	2	6	4	50	50	60	40	200
3	1523	Patient care in radiology	2	3	3	50	50	30	20	150
4	1524	Radiographic Anatomy	2	6	4	50	50	60	40	200
5	1525	Radiographic Photographic	2	6	4	50	50	60	40	200
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

## CERTIFICATE-IN-PHARMA TECHNOLOGY [Technology Code-16]

### 1<sup>st</sup> Semester

SL. No	Subject code	Name of the subject	T P C			MARKS				
						Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

### 2<sup>nd</sup> Semester

SL. No	Subject code	Name of the subject	T P C			MARKS				
						Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1621	General Pharmacology	2	6	4	50	50	60	40	200
2	1622	Clinical Pharmacy	2	6	4	50	50	60	40	200
3	1623	Forensic Pharmacy and toxicology	2	3	3	50	50	30	20	150
4	1624	Disreecing of medicine	2	6	4	50	50	60	40	200
5	1625	Compounding health care	2	6	4	50	50	60	40	200
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

## CERTIFICATE-IN-PATIENT CARE-TECHNOLOGY [Technology Code-17]

### 1<sup>st</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

### 2<sup>nd</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1721	Medical Nursing	2	6	4	50	50	60	40	200
2	1722	Surgical Nursing	2	6	4	50	50	60	40	200
3	1723	Pediatrics Nursing	2	6	4	50	50	60	40	200
4	1724	Nursing care of Obstetrics	2	6	4	50	50	60	40	200
5	1725	Nursing care of Gynecology	2	3	3	50	50	30	20	150
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>

## CERTIFICATE-IN-PARAMEDICAL TECHNOLOGY [Technology Code-18]

### 1<sup>st</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	7511	Anatomy	2	3	3	50	50	30	20	150
2	7512	Physiology	2	6	4	50	50	60	40	200
3	7513	Community medicine	3	3	4	75	75	30	20	200
4	7514	Pharmacology	2	6	4	50	50	60	40	200
5	7515	Pathology	2	6	4	50	50	60	40	200
<b>Total</b>			<b>11</b>	<b>24</b>	<b>19</b>	<b>275</b>	<b>275</b>	<b>240</b>	<b>160</b>	<b>950</b>

### 2<sup>nd</sup> Semester

SL. No	Subject code	Name of the subject	MARKS							
			T P C			Theory		Practical		Total
						Cont. assess	Final exam.	Cont. assess	Final exam.	
1	1821	Clinical medicine with Pediatrics	2	6	4	50	50	60	40	200
2	1822	Surgery	2	6	4	50	50	60	40	200
3	1823	Gynecology & Obstetrics	2	6	4	50	50	60	40	200
4	1824	Eye. ENT.	2	6	4	50	50	60	40	200
5	1825	First Aid & Bandaging	2	3	3	50	50	30	20	150
6.	7526	Field Training	0	6	2	-	-	60	40	100
<b>Total</b>			<b>10</b>	<b>33</b>	<b>21</b>	<b>250</b>	<b>250</b>	<b>330</b>	<b>220</b>	<b>1050</b>