

Bachelor of Science in Nursing (4 Years Program)
Examination System
2024



Bangladesh Nursing and Midwifery Council

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Program information

Bachelor of Science in Nursing program includes 25 courses. These courses are grouped under three headings; 1. Four General courses 2. Five Foundational courses and 3. Sixteen Professional courses. *General courses* are: (1) Communicative English, (2) Nursing Informatics, (3) Behavioral Science and Nursing Humanities, (4) Advanced Communicative English. *Foundational courses* are: (1) Anatomy, (2) Physiology, (3) Microbiology and Pathology, (4) Pharmacology, (5) Nutrition and Biochemistry. *Professional courses* are: (1) Fundamentals of Nursing–I, (2) Fundamentals of Nursing–II, (3) Pediatric Nursing, (4) Medical and Surgical Nursing-I, (5) Medical and Surgical Nursing-II, (6) Geriatric Nursing, (7) Traumatology and Orthopedic Nursing, (8) Community Health Nursing and Epidemiology, (9) Mental Health and Psychiatric Nursing, (10) Emergency and Critical Care Nursing, (11) Laws, Ethics and Forensic Nursing, (12) Midwifery, (13) Obstetrical and Gynecological Nursing, (14) Nursing Administration and Management, (15) Nursing Education, (16) Research and Biostatistics. These courses will be assessed according to the university assessment process.

This is a four-year program. For effective implementation of the curriculum, a mid-term and university final examination will be conducted in each year. Mid-term examination in each course will be conducted to assess the strengths and weaknesses of the students and to guide them as well. Mid-term examination will be conducted by the individual nursing colleges.

To sit in final examination students must pass in mid-term examination. For providing grade to the students, final examination will be conducted by the concerned university. Students must be involved in the clinical practice round the clock as mentioned in the curriculum.

Program Evaluation

Evaluation will be consisted of both formative and summative assessment.

- Mid-term examination will be conducted by the individual colleges within June of each year and the result will be declared, recorded and use in evaluation by the college.
- The final examination will be held twice (December and June) in a year.
- To sit in each year final examination, students must pass all courses of mid-term examination and must complete other areas of the written and practical formative assesment (e.g. class attendance, in-course assignment, clinical practice etc.).
- The question format of mid-term examination will be aligned with the final examination format which will include written, oral and practical assesments.

Timing of evaluation

- Formative assessment will be done throughout the course.
- Summative assessment includes written, oral and practical examination which will be conducted twice in each year under the university. One is in December and another is in June under the concerned university.
- The oral and practical examination will be held after the written examination.

Methods of Assessment:

Methods of assessment are both formative and summative will use to assess the theoretical and practice areas.

1. Formative Assessment

A. Theoretical part: Formative assessment will be done throughout the program and may include a combination of class attendance, class tests or quizzes and in-course assignment. In course assignment may contain written assignment, debate, oral presentation,

preparation of posters, booklets, laboratory reports, nursing care plan, report writing and so on.

B. Practical part: Formative assessment will include evaluation of clinical/field performance as specified in the checklist/log book by using rating scale prescribed in the clinical evaluation form. Evaluation of clinical/lab/field /research defense, submission of research book will be done through observation by using check list, preparation of nursing care plan, debate, oral presentation, case presentation, report writing, practical notebook, health education session, micro teaching, preparing lesson plan, maintenance of diary for reflective learning and so on.

Marks distribution of courses

Total marks of Bachelor of Science in Nursing program:

Year I	Marks
1 st year final	1000 marks
2 nd year final	1150 marks
3 rd year final	950 marks
4 th year final	1000 marks
Grand total	4100 marks

1 st year courses	Marks					Total
	Written	Oral	Practical	Formative		
				Written	Practical	
B111 Communicative English	60	30	00	10	00	100
B112 Nursing Informatics	60	10	20	10	00	100
B113 Behavioral Science and Nursing Humanities	90	45	00	10	05	150
B124 Anatomy	90	25	20	10	05	150
B125 Physiology	90	25	20	10	05	150
B126 Microbiology and Pathology	90	25	20	10	05	150
B137 Fundamentals of Nursing–I	90	40	50	10	10	200

2 nd year courses	Marks					Total
	Written	Oral	Practical	Formative		
				Written	Practical	
B231 Fundamentals of Nursing–II	90	40	50	10	10	200
B232 Pediatric Nursing	90	40	50	10	10	200
B233 Medical and Surgical Nursing-I	90	40	50	10	10	200
B224 Pharmacology	60	30	00	10	00	100
B235 Traumatology and Orthopedic Nursing	90	40	50	10	10	200
B226 Nutrition and Biochemistry	90	25	20	10	05	150
B237 Laws, Ethics and Forensic Nursing	60	30	00	10	00	100

3 rd year courses	Marks					Total
	Written	Oral	Practical	Formative		
				Written	Practical	
B331 Geriatric Nursing	90	25	20	10	05	150
B332 Mental Health and Psychiatric Nursing	90	40	50	10	10	200
B333 Emergency and Critical Care Nursing	90	40	50	10	10	200
B334 Medical and Surgical Nursing-II	90	40	50	10	10	200
B335 Community Health Nursing and Epidemiology	90	40	50	10	10	200

4 th year courses	Marks					Total
	Written	Oral	Practical	Formative		
				Written	Practical	
B431 Midwifery	90	40	50	10	10	200
B432 Obstetrical and Gynecological Nursing	90	40	50	10	10	200
B433 Nursing Administration and Management	60	30	00	10	00	100
B434 Nursing Education	90	40	50	10	10	200
B435 Research and Biostatistics	90	20	40 R.Book	10	40 R.Defense	200
B416 Advanced Communicative English	60	30	00	10	00	100

Distribution of 10 marks for written formative assessment

Class attendance	2 marks ($\geq 85\%$)
Mid-term examination	4 marks: 60%-69%= 2, 70%-79% =3, $\geq 80\%$ =4
In-course assessment	4 marks: 60%-69%= 2, 70%-79% =3, $\geq 80\%$ =4
Total	10 marks

* Eligible criteria for appearing final exam are 6 out of 10.

Distribution of 90 marks for written summative assessment

Multiple Choice Question (MCQ) + Single Best Answer (SBA)	20 marks
Short Answer Question (SAQ) + Structured Essay Question (SEQ) + Essay Question (EQ)	70 marks
Total	90 marks

Distribution of 60 marks for written summative assessment

Multiple Choice Question (MCQ) + Single Best Answer (SBA)	20 marks
Short Answer Question (SAQ) + Structured Essay Question (SEQ)	40 marks
Total	60 marks

Question patterns:

All question patterns have been mentioned in the Course Examination System.

Distribution of 10 marks for practical formative assessment

Practical attendance, uniform, discipline, attitudes	2 marks: 100%
Field visit/clinical assignment report	4 marks: 60%-69%=2, 70%-79%=3, $\geq 80\%$ =4
Case studies and presentation	4 marks: 60%-69%=2, 70%-79%=3, $\geq 80\%$ =4
Total	10 marks

*Eligible criteria for appearing final exam is 6 out 10

Distribution of 05 marks for practical formative assessment

Practical attendance, uniform, discipline, attitudes	1 mark: 100%
Field visit/clinical assignment report	2 marks: 60%-69%=2, 70%-79%=3, ≥ 80%=4
Case studies and presentation	2 marks: 60%-69%=2, 70%-79%=3, ≥ 80%=4
Total	5 marks

**Eligible criteria for appearing final exam are 6 out 10*

- Pass mark: 60% marks must be obtained in written, oral, & practical and clinical examination separately.
- Marks obtained in written exam (including EQ, SAQ, SEQ, MCQ and SBA as applicable) or in mixed type questions of written examination will be added together for considering the pass mark. But in oral or /and practical examination student must pass separately.
- Student who fails to meet the clinical and field practice requirements of any course for valid reason (sick, emergency leave etc.) needs to submit necessary documents/medical certificate and must make up these requirements under the guidance of the concerned authority.

Examination duration

Written examination	90 marks	MCQ+SBA	20 minutes	3 hours
		SAQ+SEQ+EQ	2 hrs 40 minutes	
	60 marks	MCQ+SBA	20 minutes	2 hours
		SAQ+SEQ	2 hrs 10 minutes	30 minutes

- There must be provision of preparing check-list book for assessing and improving the competencies of students.
- Every course should have a manual to conduct teaching learning activities of the curriculum in proper way.

Evaluation and examination related information

- Student who gets less than 60% marks in individual assessment area of any course will consider as fail.

- Students' those will be failed in any course will have the chance again to sit for the examination. For example, if a student fails in Anatomy, they have to sit only for the Anatomy course examination.
- Normally student get three chances to sit in the first year regular and final examination for passing. She/he may attend second year classes but will not be allowed to appear in the second year final examination until she/he passes all courses of first year. The same rule is applicable for second, third and fourth year.
- Students who failed to pass within the three examinations subsequently will have chance to sit in the fourth time examination. In this case, student will be required special permission from the Dean, Faculty of Medicine/Nursing provided the student would have to drop one-year final examination. In case of failure in the fourth time examination and to sit for fifth time examination, student might take permission from the Vice Chancellor of the respective university. However, it should be happened once in the 4 years academic program.

Completion of the program:

- The normal duration of Bachelor of Science in Nursing is 4 years.
- The registration is valid for 8 years. So, students must complete the program within eight years.

Examination committee, question setter, moderator, external internal and research guide/supervisor:

- Every individual college will follow the university examination rules and regulations.
- To conduct final examination every year individual college will form a examination committee approved by the Dean of concerned university.
- Question setter must have three (3) years teaching experience in a particular course.
- Question moderator must have five (5) years teaching experience in a particular course.
- External and internal examiner should be selected those have three (3) years teaching experience in a particular course.

- Research guide/supervisor must have 3 (three) years teaching experience in research. One (1) research guide/supervisor will guide 5-10 students.

In-course Assignment:

- In-course assignment will be given in each individual course in each year. In-course assignment includes essay writing, preparation of poster, individual/ group project, booklet, laboratory report, practical notebook, case study, nursing care plan, case presentation, debate, field report/ lesson plan/micro teaching etc.
- Marks: Assignment will carry 04 marks.
- Date of submission: Student will submit the assignment at least 3 months prior to the commencement of the year final examination.
- Instruction: There should be a clear guideline by individual course teacher about written assignment for example; introduction, writing style, format of presentation, date of submission, word limit, conclusion, referencing style and any other instruction required for completing the assignment.

Formative Assessment

- Students' formative assessment marks obtained from theoretical and practical part will be added in the final examination mark sheet separately.
- All formative assessment marks will be recorded by individual course teacher.
- During the final examination, practical and formative marks will be shown to the external examiner. Both internal and external examiners will sign the mark sheet.
- Finally, the individual college principal will send the signed mark sheets to the controller.

- Multiple Choice Questions (MCQ)-True/False (T/F) will have one stem with five (5) alternatives. Each question will carry one mark and each alternative carry 0.2 marks. The ratio will be 3:2 or 2:3.
- True/false and single best answers will not use in the Communicative English, Research and Biostatistics
 - Communicative English use fill in the blanks and correct answer
 - Research and Biostatistics use only objective type questions
- Single Best Answer (SBA) will have one stem with (four) 4 options. All options should be positive and the key answer should be best one. Each question will carry (one) 1 mark.
- MCQ and SBA is the part of both group A and B.
- Key answer of both group (A+B) MCQ and SBA will be supplied to the examiners.
- No negative marks will be given for wrong answer.
- Marks of MCQ, SBA, SAQ, SEQ and EQ of a particular group should be sent together in the same envelop to the controller.
- Fraction mark 0.5 or over will be considered as (one) 1 and below 0.5 will not be counted.

Formative Assessment marks:

- 5 marks are allotted when total oral and practical mark is 50 marks.
- 10 marks are allotted when total oral and practical mark is 100 marks.

Composition of short and essay question should be:

Recall question	60%
Analytical question	20%
Problem based question	20%
Total	100%

Oral and Practical/Clinical Examination:

- Marks of practical examination in each course will be as follows: a) 10 marks are allocated for formative assessment, and b) remaining marks

are distributed equally for oral and practical examinations where applicable.

Summative: Oral and practical examination will be conducted together after written examination.

- This examination will be done using SOE and OSPE with the presence of both internal and external examiners.
- Examiner will prepare the questions and key answer before the examination.
- Student must pass both oral and practical examination separately.
- Student must get 60% mark as pass mark.
- Number of examinee in each day should not be more than 20.

Structured Oral Examination (SOE) question preparation and examination conduction

- SOE questions and key answer should be prepared for (five) 5 boxes by the internal and external examiner covering the whole content of the course.
- Key answer will be in examiner table and questions will be in the (five) 5 boxes:
- Three (3) boxes recall question, each box will have at least 15-20 questions.
- One (1) boxes analytical question, each box will have at least 10-15 questions.
- One (1) box problem based question will have at least 10-15 questions.
- For five (5) questions: students will take 3 recall questions, 1 analytical question and 1 problem based question.
- For nine (9) questions: students will take 6 recall questions, 2 analytical questions and 1 problem based question.
- For ten (10) questions: students will take 6 recall questions, 2 analytical questions and 2 problem based questions.
- Mark of each question will depend on allocation of marks for each question.

- Time: minimum 10 minutes and maximum 25 minutes for every student (it will be depended on examination marks).
- Both examiners will provide marks separately for all answered questions, their marks will be summed and make mean/average marks.
- Student must get 60% mark as pass mark.

Conduction of Practical assessment:

- OSPE including spotting station and procedure will use to conduct practical assessment. Examiner will prepare questions/procedure cards and answers including check list before examination.
- Each question station students will get 3 minutes for 4 marks and 4 minutes for 5 marks question.
- Each procedure station students will get 5-10 minutes.
- In procedure 6 to 8 cards on different nursing procedure/task will keep.
- Student will instruct to perform particular nursing procedure/task.
- Students' activities will observe the examiner using check list and may ask questions.
- Mark of each question will depend on allocation of marks for each question.
- Both examiners will provide marks separately for all answered questions. Their marks will be summed and make mean/average marks.
- Student must get 60% mark as pass mark.
- OSPE will not be used in Communicative English; Nursing Informatics; Pharmacology: Laws, Ethics and Forensic Nursing; Nursing Administration and Management; Research and Bio-statistics; and Advanced Communicative English courses.

Course Examination System

1st Year	
Communicative English	
Code:	B111
Credits:	4
Total Marks:	100
	Theoretical = 70
	Oral and Practical = 30

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks	
2. Written examination	Total marks: 60	Time: 2 Hours 30 minutes
MCQ (Fill in the blanks and correct answer)	20 marks	
SAQ	20 marks	
SEQ	20 marks	

Types of Question	Marks	Group	Time
MCQ (Fill in the blanks and correct answer)	20 marks	Group A+ B	20 minutes
SAQ	20 marks	Group A+ B	2 hours 10 minutes
SEQ	20 marks	Group A+ B	
Group A = 20 marks: SAQ (2x5=10) + SEQ (1x10 =10)			
Group B = 20 marks: SAQ (2x5=10) + SEQ (1x10 =10)			
Each group will have 3 SAQ, 2 SEQ			
Student will answer 2 SAQ out of 3,1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks: 30	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 5x3=15 marks. 5 questions will be picked up from 5 boxes. Each question will carry 3 marks.	15 marks	10-15 minutes for each student
3. Listening	10 marks	

*Pass marks 60% in written, oral and practical separately

Nursing Informatics	
Code:	B112
Credits:	4.5
Total Marks:	100
	Theoretical=70
	Oral =10
	Practical=20

Pattern of Questions& Marks distribution of Theoretical Examination:

1.Written formative	10 marks	
2.Written examination	Total marks: 60	Time: 2 Hours 30 minutes
MCQ	20 marks	
SAQ	20 marks	
SEQ	20 marks	

Types of Question	Marks	Group	Time
MCQ	20 marks	Group A+ B	20 minutes
SAQ	20 marks	Group A+ B	2 hours 10 minutes
SEQ	20 marks	Group A+ B	
Group A = 20 marks: SAQ (2x5=10) + SEQ (1x10 =10)			
Group B = 20 marks: SAQ (2x5=10) + SEQ (1x10 =10)			
Each group will have 3 SAQ,2 SEQ			
Student will answer 2 SAQ out of 3,1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions& Marks distribution of Oral and practical Exam:

Types of examination	Total Marks:30	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 5x2=10 marks. 5 questions will be picked up from 5 boxes. Each question will carry 2 marks.	10 marks	10-15 minutes for each student
3. Practical examination: Every student must complete the following tasks. Each question will carry 3 marks.	15 marks	
a. Website browsing		
b. Data entry and Data Presentation		
c. Prepare PPT		
d. Open a word file and save in a folder		
e. Open a Microsoft excel file		

*Pass marks 60% in written, oral and practical separately

Behavioral Science and Nursing Humanities	
Code:	B113
Credits:	6
Total Marks:	150
	Theoretical=100
	Oral = 45
	Practical formative= 5

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks	
2. Written examination	Total marks: 90	Time: 3 Hours
MCQ	10 marks	
SBA	10 marks	
SAQ	30 marks	
SEQ	20 marks	
EQ	20 marks	

Types of Question	Marks	Group	Time
MCQ + SBA	20 marks	Group A+B	20 minutes
SAQ	30 marks	Group A+B	2 hours 40 minutes
SEQ	20 marks	Group A+ B	
EQ	20 marks	Group A+B	
Group A = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Group B = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Each group will have 4 SAQ,2 EQ and 2 SEQ			
Student will answer 3 SAQ out of 4, 1EQ out of 2, and 1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks: 50	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 9x5=45 marks. 9 questions: 8 questions will be picked up from 4 boxes and 1 question will be picked up from problem based box. Each question will carry 5 marks.	45 marks	10-15 minutes for each student

*Pass marks 60% in written, oral and practical separately

Anatomy	
Code:	B124
Credits:	7.5
Total Marks:	150
	Theoretical=100
	Oral = 25
	Practical= 20
	Practical formative= 5

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks	
2. Written examination	Total marks: 90	Time: 3 Hours
MCQ	10 marks	
SBA	10 marks	
SAQ	30 marks	
SEQ	20 marks	
EQ	20 marks	

Types of Question	Marks	Group	Time
MCQ + SBA	20 marks	Group A+B	20 minutes
SAQ	30 marks	Group A+B	2 hours 40 minutes
SEQ	20 marks	Group A+ B	
EQ	20 marks	Group A+B	
Group A = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Group B = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Each group will have 4 SAQ,2 EQ and 2 SEQ			
Student will answer 3 SAQ out of 4, 1EQ out of 2, and 1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks: 50	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 10x2.5=25 marks. 10 questions will be picked up from 5 boxes. Each question will carry 2.5 marks.	25 marks	10-15 minutes for each student
3. Objective Structured Practical Examination (OSPE): 5x4=20 marks. 5 stations, each station will carry 4 marks.	20 marks	

*Pass marks 60% in written, oral and practical separately

Physiology	
Code:	B125
Credits:	7.5
Total Marks:	150
	Theoretical = 100
	Oral = 25
	Practical = 20
	Practical formative = 5

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks
2. Written examination	Total marks: 90
MCQ	10 marks
SBA	10 marks
SAQ	30 marks
SEQ	20 marks
EQ	20 marks
Time: 3 Hours	

Types of Question	Marks	Group	Time
MCQ + SBA	20 marks	Group A+B	20 minutes
SAQ	30 marks	Group A+B	2 hours 40 minutes
SEQ	20 marks	Group A+ B	
EQ	20 marks	Group A+B	
Group A = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Group B = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Each group will have 4 SAQ,2 EQ and 2 SEQ			
Student will answer 3 SAQ out of 4, 1EQ out of 2, and 1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks: 50	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 10x2.5= 25 marks. 10 questions will be picked up from 5 boxes. Each question will carry 2.5 marks.	25 marks	10-15 minutes for each student
3. Objective Structured Practical Examination (OSPE): 5x4=20 marks. 5 stations, each station will carry 4 marks	20 marks	

*Pass marks 60% in written, oral and practical separately

Microbiology and Pathology	
Code:	B126
Credits:	5.75
Total Marks:	150
	Theoretical=100
	Oral = 25
	Practical = 20
	Practical formative = 5

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks	Time: 3 Hours
2. Written examination	Total marks: 90	
MCQ	10 marks	
SBA	10 marks	
SAQ	30 marks	
SEQ	20 marks	
EQ	20 marks	

Types of Question	Marks	Group	Time
MCQ + SBA	20 marks	Group A+B	20 minutes
SAQ	30 marks	Group A+B	2 hours 40 minutes
SEQ	20 marks	Group A+ B	
EQ	20 marks	Group A+B	
Group A = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Group B = 35 marks: SAQ (3x5=15) +SEQ (1x10=10) +EQ (1x10=10).			
Each group will have 4 SAQ,2 EQ and 2 SEQ			
Student will answer 3 SAQ out of 4, 1EQ out of 2, and 1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks: 50	Time
1. Practical formative	5 marks	
2. Structured Oral Examination (SOE): 10x2.5 =25 marks. 10 questions will be picked up from 5 boxes. Each question will carry 2.5 marks.	25 marks	10-15 minutes for each student
3. Objective Structured Practical Examination (OSPE): 5x4=20 marks. 5 stations, each station will carry 4 marks.	20 marks	

*Pass marks 60% in written, oral and practical separately.

Fundamentals of Nursing-I	
Code:	B137
Credits:	22.5
Total Marks:	200
	Theoretical =100
	Oral = 40
	Practical = 50
	Practical formative = 10

Pattern of Questions & Marks distribution of Theoretical Examination:

1. Written formative	10 marks	
2. Written examination	Total marks: 90	Time: 3 Hours
MCQ	10 marks	
SBA	10 marks	
SAQ	30 marks	
SEQ	20 marks	
EQ	20 marks	

Types of Question	Marks	Group	Time
MCQ + SBA	20 marks	Group A+B	20 minutes
SAQ	30 marks	Group A+B	2 hours 40 minutes
SEQ	20 marks	Group A+ B	
EQ	20 marks	Group A+B	
Group A = 35 marks: SAQ (3x5=15) + SEQ (1x10=10) + EQ (1x10=10).			
Group B = 35 marks: SAQ (3x5=15) + SEQ (1x10=10) + EQ (1x10=10).			
Each group will have 4 SAQ,2 EQ and 2 SEQ			
Student will answer 3 SAQ out of 4, 1EQ out of 2, and 1SEQ out of 2			
Student will use separate answer script for each group			

Pattern of Questions & Marks distribution of Oral and practical Exam:

Types of examination	Total Marks:100	Time
1. Practical formative	10 marks	
2. Structured Oral Examination (SOE):10×4= 40 marks. 10 questions will be picked up from 5 boxes. Each question will carry 4 marks.	40 marks	20-25 minutes for each student
3. Objective Structured Practical Examination (OSPE):5x5=25 marks. 5 stations, each station will carry 5 marks. Procedure: 2×10=20 marks. Each procedure will carry 10 marks. Reflective diary: 5 marks	50 marks	

*Pass marks 60% in written, oral and practical separately.

Appendix-1

Types of SAQ:

1. Completion items (fill in the blanks)
2. Definitions
3. Label / Draw diagrams
4. Unique answer type
5. Numerical problems
6. 'Open' SAQs
7. Problem solving items

1. Completion items ('Fill in the Blanks'): These consist of incomplete statements, the examinee have to supply the missing word, term, symbol etc. Commonly called 'fill in the blank

- a. There arechambers in the normal human heart.
- b. The name of the causative agent of cholera is

2. Definitions:

- a. Define health
- b. Define osmosis

3. Label / Draw diagrams:

- a. Draw and label the structure of left lung/brain/femur.
- b. Draw and label structure of skin/heart/liver/stomach/kidney.

4. Unique answer type

- a. Define health according to World Health Organization
- b. Name educational domains.

5. Numerical problems:

- a. In a village in December 2003 there were 55 cases of diarrhea among under five children and there were 1000 estimated under five children.
 - Estimate the disease frequency.

6. 'Open' SAQs:

- a. List the 3 merits and 3 demerits of steroids
- b. List 5 indications of steroids in dermatology

7. Problem solving Items (SAQs)

- a. A 5 days old neonate from Rupgonj, Narayanganj was brought to emergency department of THC with the complaints of fever for 2 days, reluctant to feed for last 12 hours. Attendant mentioned that there was prolonged rupture of membrane.
 - What is the clinical diagnosis?
 - Mention the treatment plan.
 - Mention 5 important investigations for this case

Types of MCQ

1. Single best answer/One best response
2. Multiple true-false completion type
3. Multiple true-false type
4. Matching type
5. Extended Matching
6. Assertion and reason

Structure of MCQ

- Multiple choice question (MCQ) consists of a Base (or Stem) & a set of options
- The stem is the beginning part of the item that presents the item as problem to be solved.
- Lead in : follows the stem: short question that the candidate is asked to answer
- Followed by a series of 4-5 suggested answers for a question or completion for a statement.
- Answer has to be chosen from the options provided.

Example

Q. A 1-year-old infant is known to have heart disease and is noted to be cyanosed.

STEM

Which of the following is the most likely diagnosis?

LEAD - IN

Options/Branches

- a. Atrial septal defect
- b. Patent Ductus Arteriosus
- c. Ventricular septal defect

DISTRACTORS

d. Tricuspid atresia

KEY

1. Single Best Answer (SBA)

Direction: Each of the following question or incomplete statement below is followed by four (4) suggested answers of completion; select the one that is the best in each case.

a, The birth weights of newborn babies in a hospital are to be presented in a graph. This is best done by a-

- a. Bar diagram
- b. Pie chart
- c. Histogram
- d. Frequency chart

Key: c

b. Deficiency of niacin leads to the development of:

- a. diarrhea
- b. photophobia
- c. peripheral neuritis
- d. cheilosis

Key: a

2. Multiple true-false completion type

i). Turner's syndrome is associated with –

- a. Normal breast development
- b. An absent uterus
- c. Primary amenorrhoea
- d. Hirsutism
- e. Streak ovaries

Ans: a)F , b)F , c) T, d) F, e) T

ii) Type(s) of Short Answer question (SAQ) is/are

- a. reason assertion type
- b. fill in the blanks
- c. matching type
- d. unique answer type
- e. numerical problems

Ans: a)F , b)T , c)F, d) T, e)T

Examples of open ended essay questions:

- Write notes/essay on:
 - Nursing management of Tuberculosis
 - Nursing care of lung cancer
 - Family planning
 - Time management
 - Nursing care of Neonatal
 - Nursing leadership
 - Strategies to prevent heat stroke

Example of EQ and SEQ

EQ	SEQ
Describe about Oral rehydration therapy	A one-year-old child is brought to the casualty with diarrhea for one day. He has no vomiting. On examination, he weighed 9 Kg and had evidence of moderate dehydration. You decide to provide oral rehydration. • What is the estimated fluid deficit in this child? (0.5 mark, 1 minute) • Calculate the amount of oral rehydration solution required for rehydrating this child and state the rate at which it is to be administered. (4.0 marks, 8 minutes) • List six parameters that you would monitor during rehydration therapy. (1.5 marks, 3 minutes) • Using a diagram, demonstrate the principle of action of oral rehydration solution. (4.0 marks, 8 minutes)
Describe the pathology of nephrotic syndrome in children	Answer the following questions: • Define nephrotic syndrome (2 marks minutes) • Classify nephrotic syndrome in children (3 marks, 6 minutes) • Describe the characteristic urinary findings, light microscopic, electron microscopic and immune fluorescent findings in minimal change glomerulo nephritis. (5 marks, 10 minutes)

Station question (Total marks- 5: time 3 minutes)

1. Identify (Instrument)
2. Uses the instrument
3. Methods to sterilize this instrument

Procedure station

Q1. Please measure the blood pressure of this individual.

(Total marks-10)

Station 5: Checklist for examiner

Greeting, reception permission	0.5
2. Explains & seeking the what is going to do	0.5
3. Exposure of the part	1
4. Proper positioning of the cuff	2
5. Placement of stethoscope	2
6. Inflation of the cuff	1
7. Deflation of the cuff	1
8. Thanks given to the patient	1
9. Resets the instrument	1

Marks obtained= -----

Comment-----

Signature

Recommendations:

Nursing Informatics and Communicative English courses should have practical formative marks during curriculum review.