# B.Sc / M.Sc NURSING PROGRAMME

## MEDICAL SURGICAL NURSING

## OSCE / OSPE STATION BANK

# OSCE /OSPE BANK COMPILATION

## INDEX

TAMIL NADU NURSES AND MIDWIVES COUNCIL
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90th ANNIVERSARY
1928 - 2018

23/02/2021

# Preface

The learning-assessment relationship is an integral part of educational process, its main purpose is to optimize learner`s abilities which can be achieved through the implementation of Objective Structured Clinical Examination (OSCE) as an assessment tool.

This manual describes how to plan, construct and deliver an Objective Structured Clinical Examination (OSCE). An OSCE is an examining process made up of a series of stations of equal length set in a circuit. The OSCE is very resource intensive and should not be undertaken by those without experience. This manual is for examiners with some experience of running OSCEs.

The assessment of knowledge and skills plays an important part in student nurses' progression though pre-registration programmes because they need to demonstrate competency and confidence in the performance of clinical skills. This manual is a complete guide on how to prepare for an OSCE with step-by-step instructions for most common OSCE stations that nursing students can face.

Finally I would like to add my sincere words of thanks to those who have contributed to writing this clear and informative manual.

23/2/21

**Prof.Dr.(Mrs).S. Ani Grace Kalaimathi**
**RN,RM,Ph.D.,MBA.,BGL.,**
**Registrar, TNNMC, Chennai.**

To

The Principal,
Omayal Achi College of Nursing,
Chennai.

# 2. SNIPPET ON OBJECTIVE STRUCTURED CLINICAL EVALUATION

**Objective Structured clinical evaluation is a modern type of clinical/ performance based examination often used in health sciences. It is executed in a planned & structured way with much attention on maintaining the objectivity of the examination.**

### 1) FEATURES OF OSCE

- Stations are short
- Highly focused
- Present structured mark scheme
- Reduced examiner discretion
- Emphasizes on clinical competence than knowledge
- Test the application of knowledge than recalling
- 8p features
- Performance Assessment
- Process and product
- Profile of Learner
- Progress of Learner
- Public Assessment
- Participation of staff

### 2) OSCE THE GOLD STANDARD FOR PERFORMANCE:

- Valid
- Reliable
- Feasible
- Flexible
- Fair
- Acceptable
- Provision of feed back
- Educational impact
- Cost effective

### 3) SIGNIFICANCE OF OSCE IN NURSING EDUCATION

**PRIMARY SIGNIFICANCE**

- Summative Assessment – Certifying compliance
- Formative Assessment – Provision of feed back
- Assessment of a Learners progress
- Prediction of a Learners future performance
- Selection of students for admission to health care profession

**SECONDARY SIGNIFICANCE**

- Evaluating curriculum content
- Evaluating course delivery
- Evaluating approaches to leaching & learning
- Reinforcing specific learning out comes
- Evaluating the teacher

### 4) WHAT IS ASSESSED IN AN OSCE?

**Learning outcomes and competencies**

- Clinical Skills
- Practical procedures
- Patient Management
- Health promotion
- Disease prevention
- Professionalism
- System based practice
- Personal development
- Communication skills
- Information Handling
- Understanding of Basic & clinical sciences
- Attitude & Ethics
- Decision making
- Clinical reasoning
- International relationship skills
- Team work investigations

### 5) THE MAJOR COMPONENTS ARE:

1. The (examination) coordinating committee
2. The examination coordinator
3. Lists of skills, behaviors and attitudes to be assessed
4. Criteria for scoring the assessment (marking scheme of checklist)
5. The examinees
6. The examiners
7. Examination site
8. Examination stations
   - 8.1 Time and time allocation between stations
   - 8.2 Anatomic models for repetitive examinations (Breast, Pelvic/Rectum)
   - 8.3 Couplet Station
   - 8.4 Examination Questions
   - 8.5 Environment of Exam Station
   - 8.6 Examination Station Circuit
9. Patients Standardized or Simulated
   - 9.1 Instruction to Patients
10. Timekeeper, time clock and time signal
11. Contingency Plans
12. Assessment of Performance of the OSCE

### 6) FACTORS INFLUENCING OSCE:

- No of examiner
- Purpose of exam
- The breath of focus of the examination
- The learning out comes to be Assessed ( Physical Examination/ interpersonal skills)
- The resources available (Examiners, real patients/simulated patients/ simulators.
- The options with regard to the venue
- The stage in training or seniority of the examinee
- No of stations
- Length of time allotted for each station
- Number of circuits
- Use of procedure and question station
- Use of double and linked stations
- Organization of the station in a circuit and

### 7) SETTING FOR AN OSCE :

Choosing a Location

1. Reasonable Proximal
2. Linear Arrangements

Multi site OSCE

1. Selecting multi leaching hospitals/ colleges simultaneously

### 9) EXAMINER

**No of Examiner**

- Single examiner/station

**Who are the Examiners**

- Tutor/clinical instructor/Lectures
- Asst professor/clinical perception
- Associate Professor/Professor

**After the Examination:**

1. Marking written question stations.
2. Deciding the outcome for each examinee.
3. Providing feedback to examinees individually or in a group.
4. Evaluation the stations and the examination process.

**Role of examiner**

***Before the OSCE***

1. Prepare OSCE blueprint
2. Design individual stations
3. Adapting standard procedures
4. Briefing candidates, examiners and simulated points

***During OSCE:***

1. Check resources at the stations
2. Greeting the examiner / check the examiner register No.
3. Observe the Examiners, observe and complete the checklist / rating scale.
4. Provide comments on the scoring sheet regarding the performance.
5. Confirmation that a SP at the station portrays the clinical condition approximately.
6. Ensures that the station keeps to time and examiners moves to the next station on the time signal.
7. Keeps a record of any problems that arise in the examination

***After the OSCE***

1. As a part of group exercise
2. Feedback without scoring sheets
3. Feedback with individual score sheet
4. Viewing a personal video recording
5. Meeting with individual examiners

**Feedback to the Students in difficulty:** Approaches of OSCE feedback

1. Audio feedback
2. Personalized feedback
3. Group feedback
4. Video feedback
5. Using annotated examiners score sheet
6. Formative and summative feedback

**9.1 INSTRUCTIONS FOR EXAMINERS:**

1. Any verbal instructions to be given to the candidate in addition.
2. Instruction to the SP
3. Directions as to the record to be kept of the candidate's Performance.

**9.2) TRAINING OF THE EXAMINER**:

Brief the Examiner about the philosophical underpinning the OSCE

- The interpretation and OSCE format
- The timing and arrangements
- Examiner role for conducting & feedback

**10) IMPLEMENTING AN OSCE**

**Includes the**

10.1 Advance planning for an OSCE
10.2 Implementing the OSCE

**10.1 ADVANCE PLANNING:**

1. Identify and agree the individuals and committee members responsible for OSCE
2. Confirm the purpose of the examination the areas to be assessed.
3. Agree a timeline
4. Decide the number and duration of stations to be included.
5. Arrange a suitable venue / venues
6. Prepare on examination grid / blue print.
7. Prepare a list of stations
8. Develop individual stations
9. Proposal for each station.
10. Agree the marking scheme
11. Appoint examiners.
12. Arrange simulated patients.
13. Organize resources
    1. Equipments / Furniture
    2. Patient simulation
    3. timing device
14. Organize catering
15. Prepare packets for each station
16. Finalize the master list of stations
17. Prepare a map of OSCE circuit
18. Prepare direction arrows and station identification cards.
19. Prepare a smaller set of cards with station numbers.
20. Prepare list of candidates
21. Inform candidate in advance
22. Set up stations.

**10.2 . IMPLEMENTING OSCE: On the day of examination.**

1. The OSCE lead to be present 1 hour before scheduled time.
2. Simulated and real points – 30 minutes before start time.
3. Examiner – 30 Minutes before start time.
4. Presence of reserve examiner
5. Examinee – 30 minutes prior to start
6. Bell signals the start.
7. Time keeper regulates the time
8. Candidates to give written response where required.
9. Refreshments – patients and examiners during 30 minutes break time between circuits.
10. Second group of examinee – maintain integrity by assembling them before the end of first circuit.
11. Thank all concerned and arrange expenses for pts.
12. Document pts and problems that had occurred

**11) EVALUATION OF OSCE**:

Importance of OSCE evaluation

- Validation should be an ongoing responsibility
- Provides guidelines for quality improvement

Questions to be addressed was the OSCE

- Valid
- Reliable
- Cost effective
- Examiner's properly trained
- Instruction to examinees clear
- Appropriate feedback given
- Appropriate standard setting process implemented
- Impact of OSCE on examinees, teachers and curriculum planning

Contributors to Evaluation

- Examiners
- Examinees
- Simulated Patents
- Committee
- External Evaluation
- Administrative and supportive staff
- Clinicians.

Validity

- Content validity * Criterion Validity * Predictive Validity

Reliability:

- Stability reliability
- Alternate form Reliability
- Internal Consistency reliability
- Approaches to test Reliability
- Classical test theory _CTT
- Generalizability theory – GT
- Item response theory – IRT

Points to be considered

- If higher failure roles appraise if
- An in appropriate station standard
- Technical problem in the station
- Not a part of expected learning outcome
- Deficient teaching and learning programme

**12) FEEDBACK TO EXAMINEE**:

1. Importance of feedback

- OSCE feedback promotes learning
- Used as a formative assessment tool
- Provides strength and weaknesses
- OSCE feedback is focused on the domain wise skills than overall scoring, timing, mode,

**13 ) OSCE FEEDBACK TYPES**:

A. During OSCE
   1. At the procedure station
   2. Immediately after procedure station

B. After the OSCE
   6. As a part of group exercise
   7. Feedback without scoring sheets
   8. Feedback with individual score sheet
   9. Viewing a personal video recording
   10. Meeting with individual examiners

C. Feedback to the Sts in difficulty

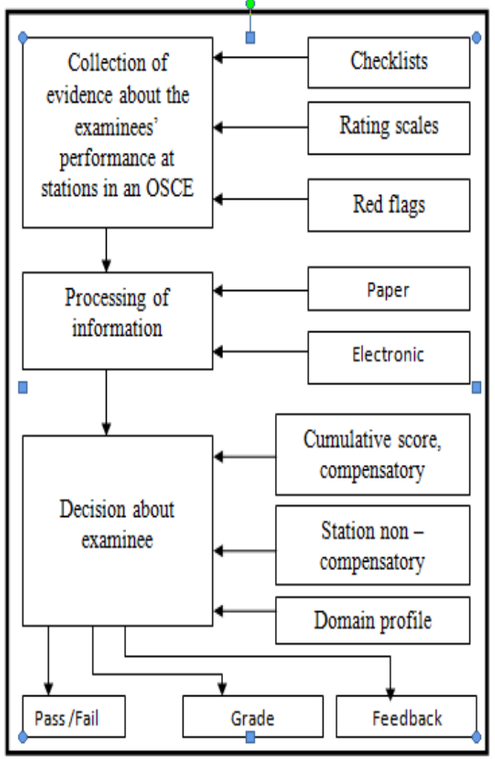
D. Approaches of OSCE feedback
   7. Audio feedback
   8. Personalized feedback
   9. Group feedback
   10. Video feedback
   11. Using annotated examiners score sheet
   12. Formative and summative feedback

**14) EXAMINEES PERSPECTIVE – OSCE**:

- Full briefing in advance, will promote positive attitude.
- Students are informed that OSCE is powerful learning experience.
- Students should be engaged in planning implementation and evaluation of OSCE.

EVALUATING THE EXAMINEES PERFORMANCE:

- Careful attention is given to
- Collecting of evidences during OSCE
- Use of this evidence for informed decision
- Provision of meaningful feedback to examinee and curriculum developers




**16) EVALUATION OF OSCE:**

1. Importance of OSCE evaluation
   - Validation should be an ongoing responsibility
   - Provides guidelines for quality improvement
2. Questions to be addressed was the OSCE
   - Valid
   - Reliable
   - Cost effective
   - Examiner's properly trained
   - Instruction to examinees clear
   - Appropriate feedback given
   - Appropriate standard setting process implemented
   - Impact of OSCE on examinees, teachers and curriculum planning
3. Contributors to Evaluation
   - Examiners
   - Examinees
   - Simulated Patents
   - Committee
   - External Evaluation
   - Administrative and supportive staff
   - Clinicians.
4. Validity
   - Content validity
   - Criterion Validity
   - Predictive Validity
5. Reliability:
   - Stability reliability
   - Alternate form Reliability
   - Internal Consistency reliability
   - Approaches to test Reliability
   - Classical test theory _CTT
   - Generalizability theory – GT
   - Item response theory – IRT
6. Points to be considered
   If higher failure roles appraise if
   - An in appropriate station standard
   - Technical problem in the station
   - Not a part of expected learning outcome
   - Deficient teaching and learning programme

**17) LIMITATION OF OSCE**

Perceived limitations of an OSCE and possible responses

| Limitations | Response |
|---|---|
| The OSCE does not assess a holistic approach to a patient | Use the OSCE alongside other tools, such as portfolios and work – based assessment instruments. |
| The OSCE assesses only a limited sample of competencies. | Use a blueprint to sample across the outcome domains, the body systems and the core tasks. |
| The OSCE is resource intensive | With organization, the resources required can be contained. The cost – benefit ratio is favorable. |
| The role of the examiner is prescribed. | Within the the set framework, the examiner can also use his/her judgment. |
| Only minimum competence is tested in the OSCE | The scoring system can also reflect excellence. More advanced stations can be included. |
| Some learning outcomes are difficult to assess in the OSCE. | Performance in an OSCE can be triangulated with ratings from other assessments. |
| Students' behaviours are influenced by the context. | Design the OSCE to be as close to real practice as possible. |
| The OSCE is stressful. | Students should be briefed and prepared. |

**18) VISION FOR THE OSCE:**

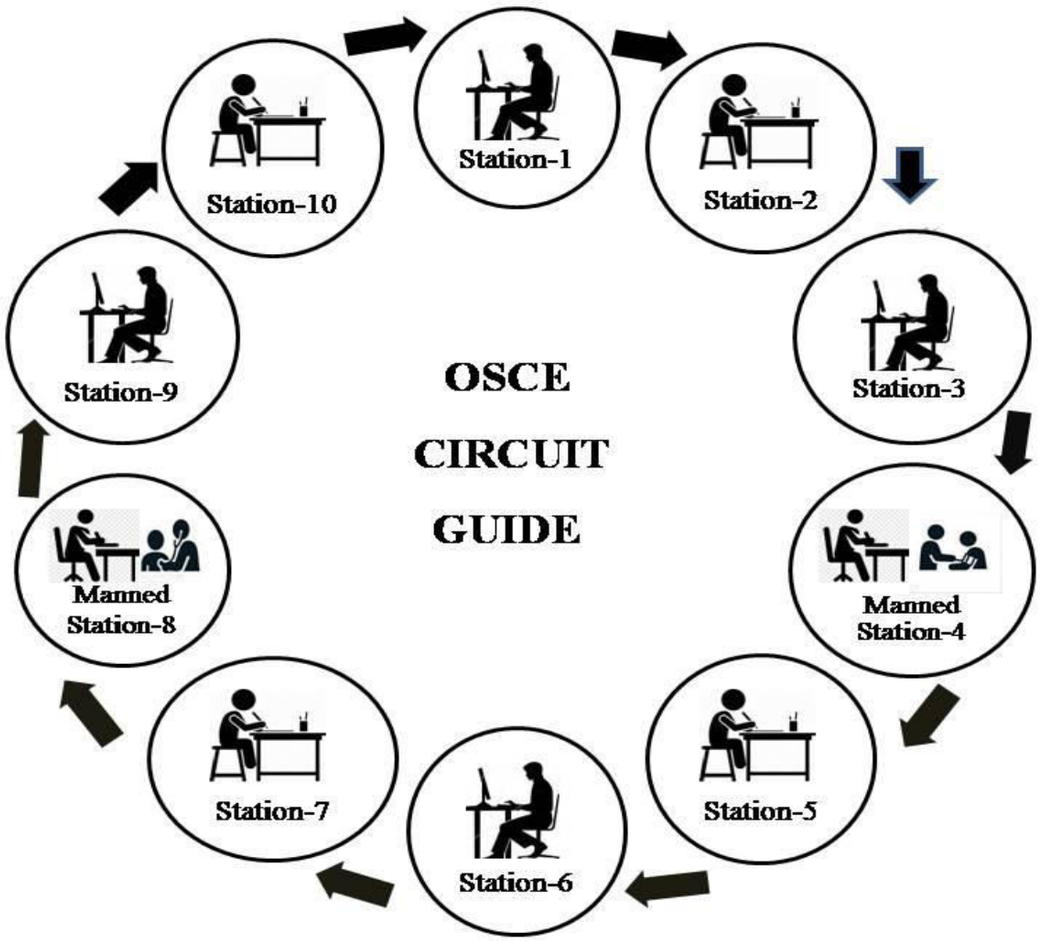
A Vision for the OSCE over the next decade

The OSCE being an integral part of the curriculum
Assessment for learning and assessment as learning
Assessment of different competencies
The OSCE as a progress test
Adaptive and sequential testing with the OSCE
Student engagement and the OSCE
Appropriate use of technology in the OSCE
Greater collaboration

REFERENCE:

Harden RM., Lilley P., Patricio M. The definitive guide to the OSCE – The Objective Structured Clinical Examination as a performance assessment, Elsevier Edinburgh, UK, 2016.

# 3. OSCE CIRCUIT GUIDE



# 4. CONTRIBUTORS LIST

**OBJECTIVE STRUCTURED CLINICAL EXAMINATION (OSCE) /**
**OBJECTIVE STRUCTURED PRACTICAL EXAMINATION (OSPE) STATION BANK**

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# B.Sc. NURSING DEGREE PROGRAM - II YEAR

## MEDICAL SURGICAL NURSING-I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

### TEST MAP BASED ON BLUE PRINT

| STATION NUMBER | TYPE OF STATION | PROGRAM COMPONENT | ITEM TITLE | COMPETENCY TEST | PROPOSED TEST FILE | DOMAINS OF CLINICAL EXPERIENCE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COMMUNICATION | | EXAMINATION | | PROCEDURE | | | COGNITIVE SKILLS | | |
| | | | | | | HT | OC | PE | VSI | TP | DP | IATF | DI | DM | PS |
| 1 | Manned | Gastrointestinal | Appenditis- Abdominal Examination | PE | Simulated patient | _ | _ | 1 | _ | _ | _ | _ | _ | _ | - |
| 2 | Unmanned | Cardiovascular | Dysarrhythmia | VSI | Simulated slides | _ | _ | _ | 1 | _ | _ | _ | _ | _ | - |
| 3 | Manned | Endocrine | Diabetes mellitus- Sub cutaneous injection | TP | Mannequin | _ | _ | _ | _ | 1 | _ | _ | _ | _ | - |
| 4 | Unmanned | Musculoskeletal | Identification of the types of Traction | DI | Print out | _ | _ | _ | _ | _ | _ | _ | 1 | _ | - |
| 5 | Unmanned | Respiratory | Identification of the parts of the AMBU Bag | DI | Equipment | _ | _ | _ | | _ | _ | _ | 1 | _ | - |
| 6 | Unmanned | Cardiovascular | Intravenous Fluid Calculation | PS | Print out | _ | _ | _ | - | - | _ | _ | _ | - | 1 |
| 7 | Unmanned | Respiratory | Pulmonary tuberculosis | VSI | Simulated slides | _ | _ | _ | 1 | _ | _ | _ | _ | - | - |
| 8 | Unmanned | Perioperative Nursing | Surgical position identification and interpretation | DI | Print out | _ | _ | _ | | _ | _ | _ | 1 | _ | - |
| 9 | Unmanned | Musculoskeletal | Identification of abnormal X-ray findings (Fracture) | IATF | Print out | _ | _ | _ | _ | _ | _ | 1 | _ | _ | - |
| 10 | Unmanned | Perioperative Nursing | Identification of Suture materials | DI | Print out | _ | _ | _ | | _ | _ | _ | 1 | _ | - |

**Key Words:**

HT: History taking
OC: Other communication
PE: Physical examination
VSI: Virtual sign identification.
TP: Therapeutic procedure
DI: Data interpretation
IATF: Identification of abnormal test finding
DP: Diagnostic procedure
DM: Decision making
PS: Problem solving

**Subject Coordinator** **Head of the Department**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS**

**INSTRUCTIONS TO THE EXAMINER**

### Objectives

The station is designed to test the examinee`s ability to:

- identify the positive classical signs of Appendicitis in an acutely ill-patient
- interpret & document the signs of Appendicitis.

### Instructions

- Observe and evaluate the examinee while performing the following steps of physical examination –Abdominal palpation in the correct sequence and technique.
- Place the evaluated response sheet in the Drop box.
- Score the task based on the following.

  **Score '2'** if the task is performed **competently**

  **Score '1'** for **partially competent**

  **Score '0'** if the task is **not performed** or performed **with mistakes** as incompetent
- Calculate the total score

## STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS

| Steps | Task | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1. | Introduces self | 2 | | | | | | | | | | |
| 2. | Explains the purpose and obtains consent from the patient | 2 | | | | | | | | | | |
| 3. | Performs hand-rub | 2 | | | | | | | | | | |
| 4. | **Palpates the abdomen for:**<br>Localized tenderness | 2 | | | | | | | | | | |
| 5. | Muscle guarding | 2 | | | | | | | | | | |
| 6. | Rebound tenderness | 2 | | | | | | | | | | |
| 7. | Pain at McBurney's point | 2 | | | | | | | | | | |
| 8. | Rovsing's sign | 2 | | | | | | | | | | |
| 9. | Acts courteously and respectfully to the patient | 2 | | | | | | | | | | |
| 10. | Interprets and documents the findings | 2 | | | | | | | | | | |
| | **Total** | **20** | | | | | | | | | | |

**Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

**MEDICAL SURGICAL NURSING - I**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Stimulated Patient | For Examiner | For Examinee |
|---|---|---|
| • Cot with screen<br>• Top sheet<br>• Writing pad with case scenario<br>• Instructions for simulated patient(to be informed prior to the OSCE) | • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Writing pad with response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS

#### INFORMATION TO THE SIMULATED PATIENT

**Your role**: Patient, named Mrs. Kavitha, aged 28 years.

**Demographic Data:**

- Name: Mrs. Kavitha
- Age: 28 years
- Educational qualification: M.com
- Marital Status: Married
- Occupation: Auditor
- Religion: Hindu
- Family income: Rs.50,000/month

**Past medical and surgical history**

- You have occasional episodes of constipation relieved by taking home remedies. There is no other significant past medical & surgical history.

**Medication record**

- You have no significant medication records

**Relevant previous medications**

- You have no significant past medication history.

**Information to be volunteered at the start of the physical examination.**

- You have the complaints of sudden onset of low-grade fever, nausea and vomiting and right-sided abdominal pain with previous history of occasional constipation.
- Ultrasound abdomen reveals inflammation of the vermiform appendix indicating Acute appendicitis.

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS

#### INSTRUCTIONS TO THE EXAMINEE

Mrs. Kavitha, aged 28 years, is admitted with complaints of sudden onset of low-grade fever, nausea and vomiting and right side abdominal pain with previous history of occasional constipation. Palpate the abdomen for clinical features of lower GI tract abnormalities and interpret the findings.

- When the bell sounds, enter the room. You have 1 minute to discuss with the patient and 4 minutes to examine the abdomen of the patient. You may make notes if you wish.
- The observation you make must be documented on the response sheet.
- **The filled response sheet must be handed over to the examiner at the end of the station.**

**B.Sc. NURSING DEGREE PROGRAMME – II YEAR**

**MEDICAL SURGICAL NURSING - I**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ABDOMINAL PALPATION FOR CLASSICAL SIGNS OF APPENDICITIS**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Documentation:**

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**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION

#### INSTRUCTION TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the ECG rhythm pattern
- interpret & document the ECG rhythm pattern using the virtual sign on the slide.

### Instructions

- Check and evaluate the accuracy of the EGC rhythm pattern, documented by the examinee.
- Score the task based on the following.
    - **Score '1'** for each rhythm **identified accurately**
    - **Score '0'** for inaccurate, as suggested in the answer key
- Calculate the total score

## STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION

### SCORING SHEET

| Slide | Rhythm Pattern | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Second Degree Partial block | 1 | | | | | | | | | | |
| 2 | Atrial Fibrillation | 1 | | | | | | | | | | |
| 3 | Ventricular Tachycardia | 1 | | | | | | | | | | |
| 4 | Ventricular Fibrillation | 1 | | | | | | | | | | |
| 5 | Third Degree AV Block | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Name & Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

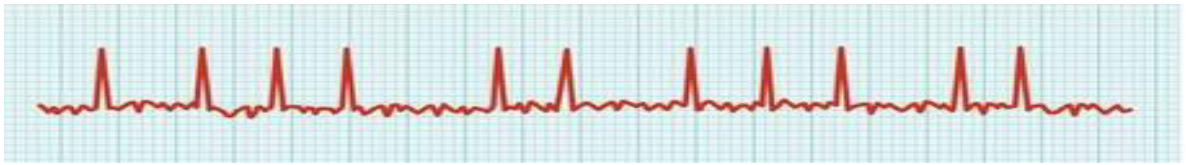
**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION**

**ANSWER KEY FOR THE EXAMINER**

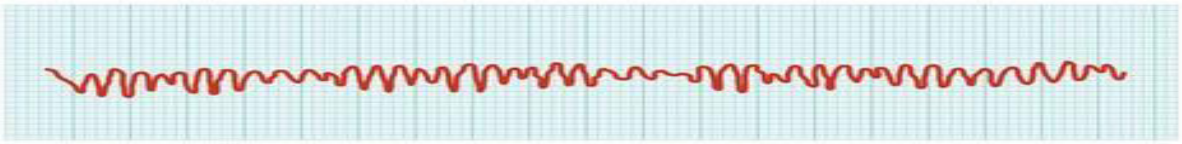
**Slide 1:** Second Degree Partial block

**Slide 2:** Atrial Fibrillation



**Slide 3:** Ventricular Tachycardia

**Slide 4:** Ventricular Fibrillation



**Slide 5:** Third Degree Atrioventricular Block

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Laptop with power source<br>• PPT slides containing images of ECG rhythms<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION**

**INSTRUCTION TO THE EXAMINEE**

- Watch the (virtual sign) power point slide carefully, identify the ECG rhythm pattern and document its interpretation.
- When the bell sounds, enter the room. You have 5 minutes to identify and interpret the ECG rhythm pattern.
- Document your responses on the response sheet provided.
- **Place the filled response sheet in the drop box at the end of the allotted time.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

**STATION NO: 2 – VIRTUAL SIGN IDENTIFICATION-ECG RHYTHM IDENTIFICATION AND INTERPRETATION**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

| Slide | Rhythm Pattern | Maximum Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| | **Total** | **5** | |

**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION**

**INSTRUCTIONS TO THE EXAMINER**

### Objectives

The station is designed to test the examinee`s ability to:

- demonstrate the administration of subcutaneous injection for Diabetic patient
- follow the principles of administration of medication via injection.

### Instructions

- Observe and evaluate the examinee for correct sequence and technique while she performs the following steps of administration of Subcutaneous Injection.
- Place the evaluated response sheet in the drop box.
- Score the task based on the following:
  - **Score '2'** if the task is performed **competently**
  - **Score '1'** for **partially competent**
  - **Score '0'** if the task is **not performed** or performed **with mistakes**
- Calculate the total score

## STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION

| Steps | Task | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1. | Checks the doctor's order and the current blood glucose level | 2 | | | | | | | | | | |
| 2. | Checks the name, dose, route and frequency of the medication against the doctor's order and the medication card | 2 | | | | | | | | | | |
| 3. | Explains the procedure to the patient and ensures privacy, if needed | 2 | | | | | | | | | | |
| 4. | Washes hands/performs hand rub with antiseptic solution. | 2 | | | | | | | | | | |
| 5. | Loads the medication accurately using the appropriate insulin syringe, expels any air and places it in the knife dish kept in the clean tray | 2 | | | | | | | | | | |
| 6. | Positions patient appropriately and exposes the site for injection | 2 | | | | | | | | | | |
| 7. | Inspects the skin over the area and ensures the correct site | 2 | | | | | | | | | | |
| 8. | Cleans the skin in rotatory motion using antiseptic swab and discards it | 2 | | | | | | | | | | |
| 9. | Places the swab between the fingers of the non-dominant hand | 2 | | | | | | | | | | |
| 10. | Holds the syringe like a pen in the dominant hand and pinches/ stretches the site using thumb and index finger of non-dominant hand | 2 | | | | | | | | | | |
| 11. | Inserts the needle into the skin at $90^0$ and gently injects the medication completely. | 2 | | | | | | | | | | |
| 12. | Places the clean swab over the injected site and slowly withdraws the syringe and gently wipes the site | 2 | | | | | | | | | | |
| 13. | Instructs the patient not to rub the site and makes patient comfortable | 2 | | | | | | | | | | |
| 14. | Discards the soiled items and performs hand rub | 2 | | | | | | | | | | |
| 15. | Documents the procedure accurately | 2 | | | | | | | | | | |
| **Total** | | **30** | | | | | | | | | | |

**Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION

#### ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Cot with screen<br>• Mannequin<br>• Writing pad with case scenario drug chart<br>• Bed side locker<br>• Clean tray<br>• Hand rub<br>• Knife dish lined with gauze pad<br>• Insulin vial<br>• Insulin syringe<br>• Small bowl with 4-5 cotton balls<br>• Spirit<br>• Pre filled medication card<br>• K basin<br>• Writing pad with response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION

#### DRUG CHART

**Patient Information**

Name: Mrs.Rathinam,

Age: 56 years

Gender: Female

IP No: 1605

Bed No: 3

Ward: Female Medical Ward

Diagnosis: Fever for evaluation / Diabetes mellitus

**Date:**

**Medications:**

1. Tab.Dolo 650 mg - BD

2. Inj.Human Actrapid based on GMBS - TDS

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION

#### INSTRUCTIONS TO THE EXAMINEE

Mrs. Rathinam, aged 56 years was admitted with complaints of increased appetite, thirst and urination and excessive fatigue. Her present GMBS level is 210 mg/dl.

- Read the Doctor's order
- Demonstrate the administration of Inj. Insulin 4 units for Mrs. Rathinam.
- When the bell sounds, enter the room. You have 4 minutes to perform the medication administration and 1 minute for any discussion with the patient.
- Document the findings in the response sheet provided.
- **The filled response sheet must be handed over to the examiner at the end of the station.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE - ADMINISTRATION OF SUBCUTANEOUS INJECTION**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Documentation**:

Name:_____ Diagnosis: _____

Age :_____ years Ward: _____

Gender:_____ IP No: _____

Bed No: _____

| Date/ Time | Name of the Drug | Dose | Route | Freq | Action | Nurses Responsibility |
|---|---|---|---|---|---|---|
| | | | | | | |

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**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 4 – DATA INTERPRETATION- IDENTIFICATION OF THE TYPES OF TRACTION

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the different types of traction
- interpret & document the types of traction using the virtual sign on the slide.

### Instructions

- Check and evaluate the accuracy of the different types of Traction, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each type **identified accurately**
  - **Score '0'** for **inaccurate**, as suggested in the answer key
- Calculate the total score

## STATION NO: 4 – DATA INTERPRETATION- IDENTIFICATION OF THE TYPES OF TRACTION

| Slide | Types of Traction | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Manual Traction | 1 | | | | | | | | | | |
| 2 | Head Halter Traction | 1 | | | | | | | | | | |
| 3 | Skeletal Traction | 1 | | | | | | | | | | |
| 4 | Skin Traction | 1 | | | | | | | | | | |
| 5 | Fixed Traction | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
## MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – DATA INTERPRETATION- IDENTIFICATION OF THE TYPES OF TRACTION**

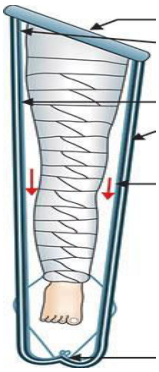
**ANSWER KEY FOR THE EXAMINER**

**Slide 1:** Manual Traction

**Slide 2:** Head Halter Traction

**Slide 3:** Skeletal traction

**Slide 4:** Skin traction



**Slide 5:** Fixed traction

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – DATA INTERPRETATION- IDENTIFICATION OF THE TYPES OF TRACTION**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Laptop with power source<br>• PPT slides containing images of Traction<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – DATA INTERPRETATION -IDENTIFICATION OF THE TYPES OF TRACTION**

**INSTRUCTIONS TO THE EXAMINEE**

- Watch the (virtual sign) power point slide carefully, identify the types of traction and document its interpretation.
- When the bell sounds, enter the room. You have 5 minutes to identify and interpret the types of traction
- Document the answers in the response sheet provided.
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – IDENTIFICATION OF THE TYPES OF TRACTION**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

| Slide | Types of Traction | Maximum Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| | **Total** | **5** | |

**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 5 – DATA INTERPRETATION -IDENTIFICATION OF THE PARTS OF THE AMBU BAG

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the parts of the AMBU bag
- document the parts of the AMBU Bag displayed.

### Instructions

- Check and evaluate the accuracy of the parts of the AMBU bag, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each part **identified accurately**
  - **Score '0'** for **inaccurate response**, as suggested in the answer key
- Calculate the total score

**STATION NO: 5 – DATA INTERPRETATION- IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**SCORING SHEET**

| Label | Parts of the AMBU bag | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Pressure Release Valve | 1 | | | | | | | | | | |
| 2 | Self Inflating Bag | 1 | | | | | | | | | | |
| 3 | Oxygen Inlet | 1 | | | | | | | | | | |
| 4 | Air-Inlet & Pressure Release Valves | 1 | | | | | | | | | | |
| 5 | Swivel | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Name & Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION- IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**ANSWER KEY FOR THE EXAMINER**


1. Pressure Release Valve
2. Self Inflating Bag
3. Oxygen Inlet
4. Air-Inlet & Pressure Release Valves
5. Swivel

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray containing Ambu bag with parts labelled<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION-IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**INSTRUCTION TO THE EXAMINEE**

- Carefully observe and identify the labelled parts of the AMBU bag and document the responses with accuracy.
- When the bell sounds, enter the room. You have 5 minutes to identify and interpret the parts of the AMBU bag.
- Document the response in the response sheet provided.
- **Place the filled response sheet in the drop box at the end of the allotted time**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**QUESTION SHEET**

- Identify and document the name of the parts of the AMBU bag, numbered in the picture shown below

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION- IDENTIFICATION OF THE PARTS OF THE AMBU BAG**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

| Part No. | Parts of the AMBU bag | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| | **Total** | **5** | |

**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 6 –PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- calculate the rate of infusion for intravenous fluid administration.

### Instructions

- Observe and evaluate the accuracy of the examinee's written responses for calculating the rate of intravenous fluid administration, for the case scenario given in Station 6.
- Score the task based on the following.
    - **Score '2'** for fully accurate response
    - **Score '1'** for partially accurate response
    - **Score '0'** for inaccurate, as suggested in the answer key
- Calculate the total score

**STATION NO: 6 – PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION**

**SCORING SHEET**

| Registration No | Total Volume of Fluid (2) | IV Fluid Flow Rate(ml/hr) Formula (2) | IV Fluid Flow Rate(ml/hr) (2) | Drops/Min Formula (2) | Drops/Min (2) | Total (10) |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
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**Name & Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 6 –PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION

**ANSWER KEY**

| S. No | Steps | Answer |
|---|---|---|
| 1 | Total Volume of Fluid | **2000 ml** |
| 2 | IV Fluid Flow Rate(ml/hr) | **Total volume/ 24 hrs** |
| 3 | IV Fluid Flow Rate(ml/hr) | **83 ml/hr** |
| 4 | Drops/min Formula | **Volume (ml) × Drop Factor** / **No. of. hours × 60** |
| 5 | Drops/min | **28 drops/minute.** |

**IVF RL 1pint followed by**

**IVF NS 0.9 % 3 pints over 24 hrs.**

**Total Volume** = No. of. Pints × 500 ml

= 4× 500

= 2000 ml

**Note: 2000 ml IV fluid is administrated over 24 hours by a drop factor of 20 drops / ml.**

**Flow rate (ml/hr)** = 2000ml/24 hrs

**= 83 ml/hr**

**IV Fluid Drip Rate (gtts/min)or (drops/min)** = $\frac{\text{Volume (ml)} \times \text{Drop Factor}}{\text{No. of. Hours} \times 60}$

= (2000 ml ×20 ) / (24 hours ×60)

= **28 drops/minute.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Writing pad Case Scenario Drug Chart<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION**

**INSTRUCTIONS TO THE EXAMINEE**

- When the bell sounds, enter the room. You have 1 minute to read the case scenario and 4 minutes to calculate the rate of administration of IV fluid based on physician's advice.
- Document your calculation in the response sheet.
- **Place the filled response sheet in the drop box.**

**Case Scenario**

Mr. Ranjan 45yrs, admitted in Male Medical Ward with complaints of fever, vomiting 2 episodes and loose stools 3 episodes since yesterday. On examination he looks tired, on and had reduced appetite with following vital parameters:

**Temp:** 99.4 F
**Pulse:** 86
**Resp:** 20 breaths/ min
**BP:** 100/60 mmHg

**Physicians order:**

Tab. Dolo 650 mg SOS
Tab. Ofloxacin(200mg) + Ornidazole (500 mg) BD
Tab. Pan 40 mg OD
Administer Intravenous Fluid:
*** IVF RL 1 pint followed by**
*** IVF NS 0.9 % 3 pints over 24 hrs.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –PROBLEM SOLVING - INTRAVENOUS FLUID CALCULATION**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

**Calculate the rate of IV fluid to be administered:**

**Signature of the Examinee** **Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the images related to pulmonary tuberculosis
- document the responses accurately

### Instructions

- Check and evaluate the accuracy of the response related to pulmonary TB, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each image **identified accurately**
  - **Score '0'** for **inaccurate** responses based on the answer key
- Calculate the total score

**STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS**

**SCORING SHEET**

| Image No | Pulmonary Tuberculosis | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Persistent cough | 1 | | | | | | | | | | |
| 2 | Hemoptysis | 1 | | | | | | | | | | |
| 3 | Weight loss | 1 | | | | | | | | | | |
| 4 | Mantoux test/Tuberculin skin test | 1 | | | | | | | | | | |
| 5 | DOTS therapy | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner:**

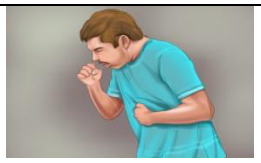
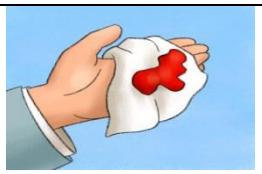
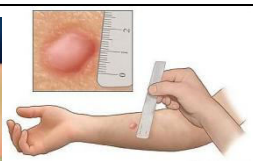
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS

### ANSWER KEY FOR THE EXAMINER

| Slide No. | Image | Answer |
|---|---|---|
| 1 |  | Persistent cough |
| 2 |  | Hemoptysis |
| 3 |  | Weight loss |
| 4 |   | Mantoux test/ Tuberculin skin test |
| 5 |  | DOTS therapy |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Laptop with power source<br>• PPT slides containing images<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS**

**INSTRUCTIONS TO THE EXAMINEE**

- Watch the (virtual sign) power point slide carefully, identify and document its interpretation.
- You have 5 minutes to identify and interpret the images.
- Document your responses on the response sheet provided
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 –VIRTUAL SIGN IDENTIFICATION- PULMONARY TUBERCULOSIS**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Slide No | Image | Maximum Score | Score Awarded |
|---|---|---|---|
| 1 | | **1** | |
| 2 | | **1** | |
| 3 | | **1** | |
| 4 | | **1** | |
| 5 | | **1** | |
| | **Total** | **5** | |

**Signature of the Examiner** **Signature of the Examinee**

**B.Sc. NURSING DEGREE PROGRAMME – II YEAR**
**MEDICAL SURGICAL NURSING - I**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION -- SURGICAL POSITIONS**

**INSTRUCTIONS TO THE EXAMINER**

## Objectives

The station is designed to test the examinee`s ability to:

- identify the images related to surgical position
- document one indication for each position using print out accurately.

## Instructions

- Check and evaluate the accuracy of the responses related to the surgical position and its indication, documented by the examinee.
- Score the task based on the following.
  - **Score '2'** for each **fully accurate response (both position and its indication)** identified
  - **Score '1'** for **partially accurate response** (either position or indication) identified
  - **Score '0'** for **inaccurate** responses based on the answer key
- Calculate the total score

## STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS

### SURGICAL POSITIONS IDENTIFICATION SCORING SHEET

| Image No | Surgical Positions | Indication | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| 1 | Jack knife position / Kraske | Colorectal surgery | 2 | | | | | | | | | | |
| 2 | Lloyd Davies position / Trendelenburg position with legs apart or head down Lithotomy | Pelvic surgery | 2 | | | | | | | | | | |
| 3 | Wilson frame position | Spinal surgery | 2 | | | | | | | | | | |
| 4 | Beach chair position | Shoulder surgery | 2 | | | | | | | | | | |
| 5 | Flexed lateral decubitus position | Renal surgery | 2 | | | | | | | | | | |
| | | **Total** | **10** | | | | | | | | | | |

**Signature of the Examiner**

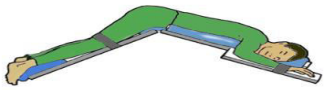
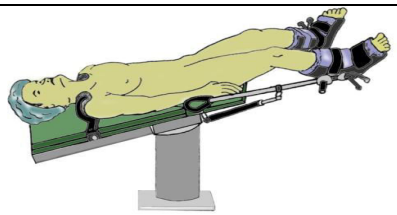
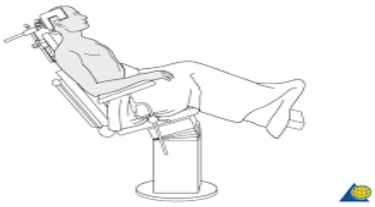
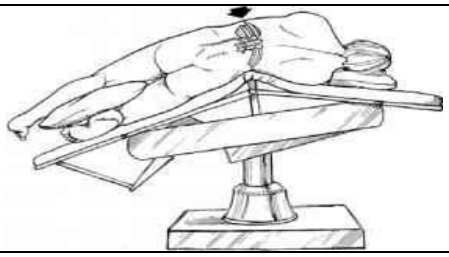
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS**

**ANSWER KEY FOR THE EXAMINER**

| Image No | Surgical position | Name of position (1) | Indication (1) | Maximum Score |
|---|---|---|---|---|
| 1 |  | Jack knife position/ Kraske | Colorectal surgery | 2 |
| 2 |  | Lloyd Davies position/ Trendelenburg position with legs apart or head down Lithotomy | Pelvic surgery | 2 |
| 3 |  | Wilson frame position | Spinal surgery | 2 |
| 4 |  | Beach chair position | Shoulder surgery | 2 |
| 5 |  | Flexed lateral decubitus position | Renal surgery | 2 |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Images of surgical positions print out<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS**

**INSTRUCTIONS TO THE EXAMINEE**

- Carefully observe the (virtual sign) print out images and identify the surgical positions and document one indication for each surgical position.
- When the bell sounds, enter the room. You have 5 minutes to identify and document the indication of each surgical position.
- Document your responses in the response sheet.
- **Place the filled response sheet in the drop box.**

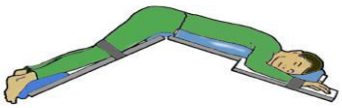
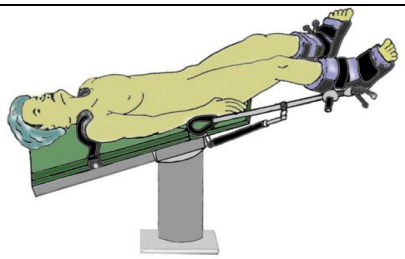
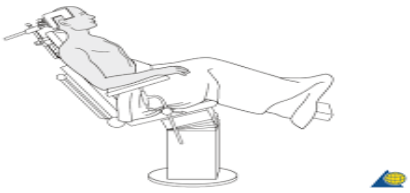
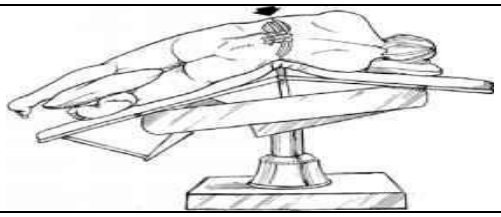
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS

**QUESTION SHEET**

| Image No. | Images |
|---|---|
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - SURGICAL POSITIONS**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

| Image | Surgical position | Indication | Max Score | Score Awarded |
|---|---|---|---|---|
| 1 | | | **2** | |
| 2 | | | **2** | |
| 3 | | | **2** | |
| 4 | | | **2** | |
| 5 | | | **2** | |
| **Total** | | | **10** | |

**Signature of the Examiner** **Signature of the Examinee**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
## MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING - FRACTURE**

**INSTRUCTIONS TO THE EXAMINER**

### Objectives

The station is designed to test the examinee`s ability to:

- identify and interpret each type of fracture from the X-ray images displayed.
- document the findings of each image accurately.

### Instructions

- Check and evaluate the accuracy of the responses related to type of fracture, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each image **identified accurately**
  - **Score '0'** for **inaccurate** responses based on the answer key
- Calculate the total score.

## STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING - FRACTURE

### SCORING SHEET

| Image | Fracture | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Simple /complete/transverse fracture | 1 | | | | | | | | | | |
| 2 | Oblique/spiral fracture | 1 | | | | | | | | | | |
| 3 | Compression/pathological fracture | 1 | | | | | | | | | | |
| 4 | Greenstick fracture | 1 | | | | | | | | | | |
| 5 | Comminuted fracture | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Name & Signature of the Examiner**

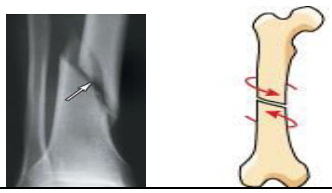
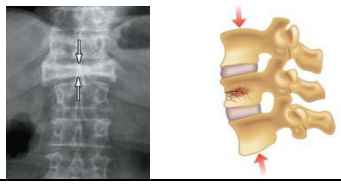
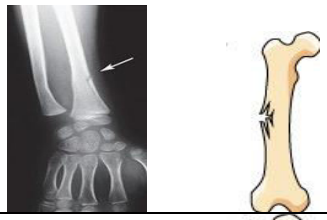
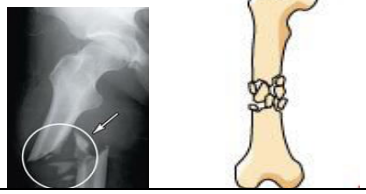
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING – FRACTURE

### ANSWER KEY FOR THE EXAMINER

| Image No. | Image | Answer |
|---|---|---|
| 1 |  | Simple /complete/transverse fracture |
| 2 |  | Oblique/spiral fracture |
| 3 |  | Compression/pathological fracture |
| 4 |  | Greenstick fracture |
| 5 |  | Comminuted fracture |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING – FRACTURE**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Images of X-ray (Fracture) print out<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING - FRACTURE**

**INSRTUCTIONS TO THE EXAMINEE**

- Carefully observe the images of abnormal X-ray findings and identify the type of fracture.
- You have 5 minutes to identify and interpret the images.
- Document each answer in the response sheet provided.
- **Place the response sheet in the drop box at the end of the allotted time.**

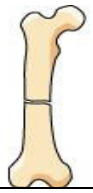
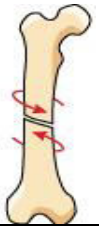
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING – FRACTURE

**QUESTION SHEET FOR EXAMINEE**

| Image No. | Image |
|---|---|
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |
| 5 |   |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 –IDENTIFICATION OF ABNORMAL X-RAY FINDING - FRACTURE**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Image No | Type of fracture | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | **1** | |
| 2 | | **1** | |
| 3 | | **1** | |
| 4 | | **1** | |
| 5 | | **1** | |
| | **Total** | **5** | |

**Signature of the Examiner** **Signature of the Examinee**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
## MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10 – DATA INTERPRETATION -IDENTIFICATION OF SUTURE MATERIALS**

**INSTRUCTIONS TO THE EXAMINER**

### Objectives

The station is designed to test the examinee`s ability to:

- identify the suture material from the print out images displayed.
- document the findings of each image accurately.

### Instructions

- Check and evaluate the accuracy of the responses related to suture material, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each image **identified accurately**
  - **Score '0'** for **inaccurate** responses based on the answer key
- Calculate the total score.

**STATION NO: 10 – DATA INTERPRETATION - IDENTIFICATION OF SUTURE MATERIALS**

**SCORING SHEET**

| Image | Suture Material | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Absorbable/ Synthetic | 1 | | | | | | | | | | |
| 2 | Non-absorbable/ Synthetic | 1 | | | | | | | | | | |
| 3 | Non-absorbable/ Natural | 1 | | | | | | | | | | |
| 4 | Absorbable/ Natural | 1 | | | | | | | | | | |
| 5 | Non-absorbable/ Natural | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner**

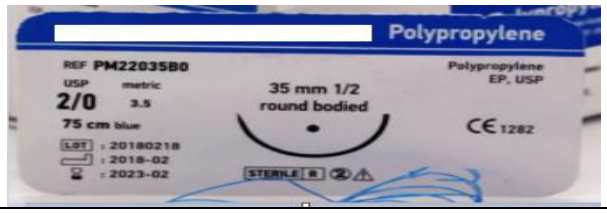
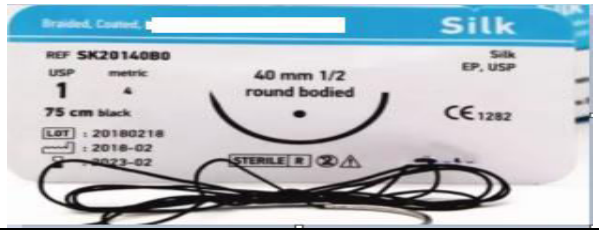
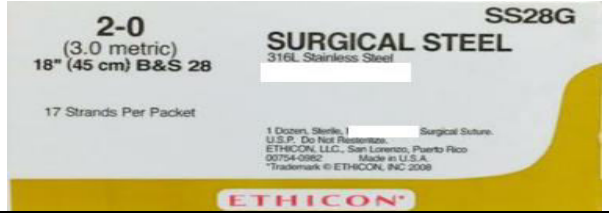
## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 10 – DATA INTERPRETATION -IDENTIFICATION OF SUTURE MATERIALS

### ANSWER KEY FOR THE EXAMINER

| Image No. | Image | Answer |
|---|---|---|
| 1 |  | Absorbable/ Synthetic |
| 2 |  | Non-absorbable/ Synthetic |
| 3 |  | Non-absorbable/ Natural |
| 4 |  | Absorbable/ Natural |
| 5 |  | Non-absorbable/ Natural |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR
## MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10 – DATA INTERPRETATION -IDENTIFICATION OF SUTURE MATERIALS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Suture material print out<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10 – DATA INTERPRETATION -IDENTIFICATION OF SUTURE MATERIALS**

**INSRTUCTIONS TO THE EXAMINEE**

- Carefully visualize the images of sutures and identify the type of suture material.
- You have 5 minutes to identify and interpret the images.
- Document each answer appropriately in the response sheet provided.
- **Place the filled response sheet in the drop box at the end of the allotted time**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

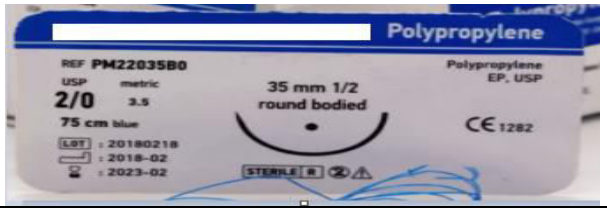
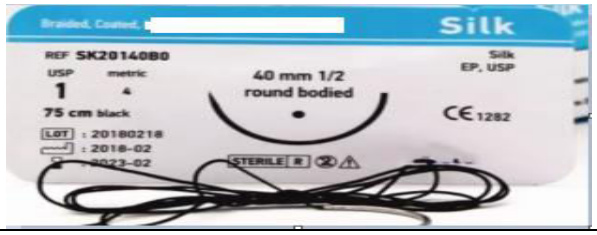
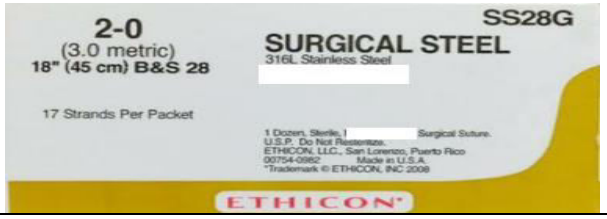
### MEDICAL SURGICAL NURSING - I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 10 – DATA INTERPRETATION -IDENTIFICATION OF SUTURE MATERIALS

### QUESTION SHEET

**Identify the type of suture material and document your responses in the response sheet provided**

| Image No. | Image |
|---|---|
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING - I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10 – DATA INTERPRETATION - IDENTIFICATION OF SUTURE MATERIALS**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Image No | Suture Material | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | **1** | |
| 2 | | **1** | |
| 3 | | **1** | |
| 4 | | **1** | |
| 5 | | **1** | |
| | **Total** | **5** | |

**Signature of the Examiner** **Signature of the Examine**

**B.Sc. NURSING DEGREE PROGRAMME – II YEAR**

**MEDICAL SURGICAL NURSING – I**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**SCORE COMPILATION SHEET**

**Date: _____ Name of the examination: _____**

**Register number of students allotted**: From _____ To_____

**Total number of students:** Allotted: _____ Attended: _____ Absent: _____

| Registration number | Station-Max Scores | | | | | | | | | | Total score (Max 100) | % | Final OSCE/OSPE Score (University prescribed) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 PE | 2 VSI | 3 TP | 4 DI | 5 DI | 6 PS | 7 VSI | 8 DI | 9 IATF | 10 DI | | | |
| | 20 | 5 | 30 | 5 | 5 | 10 | 5 | 10 | 5 | 5 | | | |
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**Name and signature with date:**

**Internal Examiner:** **External Examiner:**

# B.Sc. NURSING DEGREE PROGRAM

## MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

### TEST MAP BASED ON BLUE PRINT

| STATIONS NUMBER | TYPE OF STATION | PROGRAM COMPONENT | ITEM TITLE | COMPETENCY TEST | PROPOSED TEST FILE | DOMAINS OF CLINICAL EXPERIENCE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COMMUNICATION | | EXAMINATION | | PROCEDURE | | | COGNITIVE SKILLS | | |
| | | | | | | HT | OC | PE | VSI | TP | DP | IATF | DI | DM | PS |
| 1 | Manned | Neurological System | Assessment of Deep Tendon Reflexes | PE | Simulated patient | - | _ | 1 | - | _ | _ | _ | _ | _ | - |
| 2 | Unmanned | Burns | Burns-Fluid Replacement Calculation | PS | Print out | - | _ | _ | - | - | _ | _ | _ | _ | 1 |
| 3 | Manned | Eye | Instillation of eye drops | TP | Mannequin | - | _ | _ | _ | 1 | - | _ | _ | _ | - |
| 4 | Unmanned | Emergency | Triage colour coding | VSI | Simulated slides | - | _ | _ | 1 | _ | _ | - | - | _ | - |
| 5 | Unmanned | Critical Care | Cardiac parameters | DI | Print out | - | _ | _ | - | _ | _ | - | 1 | _ | - |
| 6 | Unmanned | Oncology | Symptoms of Breast Cancer | VSI | Simulated slides | - | _ | _ | 1 | - | _ | _ | _ | - | - |
| 7 | Unmanned | ENT | Identification of ENT instruments | DI | Instruments | - | _ | _ | - | _ | _ | - | 1 | - | - |
| 8 | Unmanned | Critical Care | Identification of the types of Tracheostomy tubes | DI | Print out | - | _ | _ | - | - | _ | _ | 1 | _ | - |
| 9 | Unmanned | Emergency | Identification of resuscitation equipments | DI | Print out | - | _ | _ | - | _ | _ | - | 1 | _ | - |
| 10 | Unmanned | Critical Care | Drug Calculation | PS | Print out | - | _ | _ | - | _ | _ | _ | _ | _ | 1 |

**Key Words:**

HT: History taking
OC: Other communication
PE: Physical examination
VSI: Virtual sign identification.
TP: Therapeutic procedure
DI: Data interpretation
IATF: Identification of abnormal test finding
DP: Diagnostic procedure
DM: Decision making
PS: Problem solving

**Subject Coordinator** **Head of the Department**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- demonstrate the deep tendon reflexes
- interpret & document the findings.

### Instructions

- Observe and evaluate the examinee while performing the following steps of assessment of deep tendon reflexes in the correct sequence and technique.
- Place the evaluated response sheet in the drop box.
- Score the task based on the following.
  - **Score '2'** if the task is performed **competently**
  - **Score '1'** for **partially competent**
  - **Score '0'** if the task is **not performed** or performed **with mistakes** as incompetent
- Calculate the total score

## STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES

## SCORING SHEET

| Steps | Task | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1. | Introduces self and greets the patients | **2** | | | | | | | | | | |
| 2. | Explains the purpose and obtains consent from the patient | **2** | | | | | | | | | | |
| 3. | Performs hand-rub and positions the patient | **2** | | | | | | | | | | |
| 4. | **Biceps reflex:** Gives a firm blow over the examiner's thumb placed over the biceps tendon using a knee hammer. | **2** | | | | | | | | | | |
| 5. | **Brachioradialis reflex (Supinator):** Taps the styloid process of the radius while the forearm is in semiflexion and semi-pronation | **2** | | | | | | | | | | |
| 6. | **Triceps reflex:** Strikes on the triceps tendon just above the olecranon process | **2** | | | | | | | | | | |
| 7. | **Patellar reflex (Knee jerk):** Taps on the patellar tendon | **2** | | | | | | | | | | |
| 8. | **Achilles reflex (Ankle jerk):** Taps on Achilles tendon | **2** | | | | | | | | | | |
| 9. | Thanks the patient. Acts courteously and respectfully to the patient | **2** | | | | | | | | | | |
| 10. | Document the findings of each component of assessment, highlighting the abnormalities detected and any significant changes noted since the last assessment. | **2** | | | | | | | | | | |
| | **Total** | **20** | | | | | | | | | | |

**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Stimulated Patient | For Examiner | For Examinee |
|---|---|---|
| • Cot with screen<br>• Top sheet<br>• Writing pad with case scenario<br>• Instructions for simulated patient(to be informed prior to the OSCE) | • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub<br>• Knee hammer<br>• Writing pad with response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES

#### INFORMATION TO THE SIMULATED PATIENT

**Your role:** Patient, named Mrs. Ramani, aged 68 years.

**Demographic Data:**

- Name: Mrs. Ramani
- Age: 68 years
- Education qualification: HSC
- Marital status: Married
- Occupation: Pension
- Religion: Hindu
- Family income: Rs. 18,000/ month

**Past medical and surgical history**

- There is no other significant past medical and surgical history.

**Medical record**

- You have no significant medication records

**Relevant previous medications**

- You have no significant past medication history

**Information to be volunteered at the start of the physical examination.**

- You have the complaints of weakness of right upper and lower extremities. When the examinee taps using the Knee hammer elicit an increased response.
- CT brain reveals acute haemorrhage in the left ganglio-capsular region.

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES**

**INSTRUCTIONS TO THE EXAMINEE**

Mrs. Ramani, aged 68 years, has complaints of weakness of right upper and lower extremities. Assess the deep tendon reflexes for both right and left side and interpret the findings.

- When the bell sounds, enter the room. You have 1 minute to discuss with the patient and 4 minutes to demonstrate the neurological reflexes for the patient. You may make notes if you wish.
- The observation you make must be documented in the response sheet provided.
- **The filled response sheet must be handed over to the examiner at the end of the station.**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

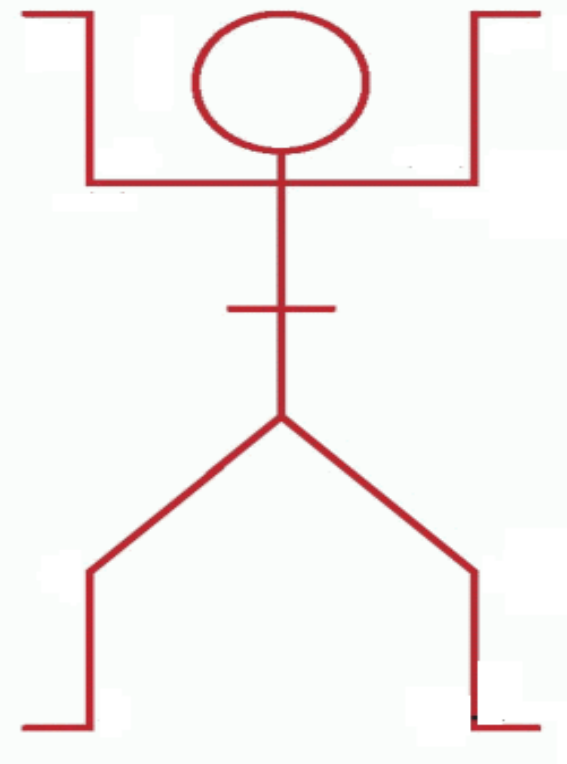
**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 1 – PHYSICAL EXAMINATION – ASSESSMENT OF DEEP TENDON REFLEXES**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Documentation:**



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**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- calculate the amount of fluid (Crystalloids) to be replaced for the 1st 24 hours by using Evan's formula for the percentage of burns in the given scenario.

### Instructions

- Check and evaluate the accuracy of the fluid calculation done using Evan's formula
- Score the task based on the following:
  - **Score '3'** each **fully accurate** formula and calculation and **score '2'** for accurate total fluid volume in first 8 and next 16 hours, as suggested in the answer key.
  - **Score '0'** for **inaccurate responses**.
  - Calculate the total score

## STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION

## BURNS FLUID REPLACEMENT SCORING SHEET

| Registration No | Evan's Formula (3) | Evan's Fluid Replacement Calculation (3) | 1st 8 Hours (2) | Remaining 16 Hours (2) | Total (10) |
|---|---|---|---|---|---|
| | | | | | |
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**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION**

**ANSWER KEY FOR THE EXAMINER**

| S. No | Steps | Answer |
|---|---|---|
| 1 | Evan's Formula | **1ml x bodyweight (kg) x TBSA (%)** |
| 2 | Evan's Fluid Replacement Calculation-Total fluid volume | **2,226 ml** |
| 3 | 1st 8 Hours | **1,113ml** |
| 4 | Remaining 16 Hours | **1,113ml** |

**Note:** Fluid for replacement: Crystalloids,

Patient's body weight is 53 kg,

Patient's TBSA is 42%

**Evan's Formula for Fluid Replacement =1ml x bodyweight (kg) x TBSA (%)**

= 1 x 53 x 42

**= 2,226ml**

1st 8 hours (half of the fluid) = **2,226 ÷ 2**

**= 1,113ml**

Remaining 16 hours **= 1,113 ml**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION**

**ARTIFACT/ EQUIPMENTS / PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Print out containing case scenario drug chart<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION**

**INSTRUCTIONS TO THE EXAMINEE**

- Calculate the amount of fluid (Crystalloids) to be replaced for the 1st 24 hours by using Evan's formula for the percentage of burns in the given scenario.
- When the bell sounds, enter the room. You have 1 minute to read the case scenario and 4 minutes to do the calculation.
- Document your calculation in the response sheet.
- **Place the filled response sheet in the drop box at the end of the allotted time.**

**Case scenario:**

Mr. Balu, 45 years, admitted in the Burns unit with 42% TBSA burns yesterday. On examination, the vital parameters are as follows,

**Temp:** 99° F
**Pulse:** 80 beats/min
**Resp:** 20 breaths/ min
**BP:** 110/70 mmHg
**Weight:** 53 kg

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 2 – PROBLEM SOLVING - BURNS FLUID REPLACEMENT CALCULATION**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

**Calculate the fluid volume to be replaced for the Burn patient:**

**Signature of the Examinee** **Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- demonstrate the instillation of eye drops for patient who has undergone cataract surgery
- document the findings accurately

### Instructions

- Observe and evaluate the examinee while performing the following steps of instillation of eye drops in the correct sequence and technique.
- Place the evaluated response sheet in the drop box.
- Score the task based on the following.
  - **Score '2'** for each task performed **fully competently**
  - **Score '1'** for **partially competent and**
  - **Score '0'** if the task is **not performed** or performed **with mistakes** as **incompetent**
- Calculate the total score

## STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS

## SCORING SHEET

| Steps | Task | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Introduces self and greets the patient | **2** | | | | | | | | | | |
| 2. | Explains the purpose and obtains consent from the patient | **2** | | | | | | | | | | |
| 3. | Positions the patient by placing the patient's head over a pillow and turns head slightly to the affected side | **2** | | | | | | | | | | |
| 4. | Ensures availability of all articles and performs hand-rub | **2** | | | | | | | | | | |
| 5. | Puts on gloves and offers tissue to patient | **2** | | | | | | | | | | |
| 6. | Cleanses the eyelids with normal saline using a cotton ball moving from inner canthus to outer canthus | **2** | | | | | | | | | | |
| 7. | Removes cap from medication bottle without touching the inner aspect of the medication container | **2** | | | | | | | | | | |
| 8. | Instructs the patient to look up and focus on something on the ceiling. | **2** | | | | | | | | | | |
| 9. | Exposes the conjunctiva by pulling the lower eyelid and ensures that the dropper does not touch the eyelids or lashes. | **2** | | | | | | | | | | |
| 10. | Squeezes container and allows prescribed number of drops to fall into the lower conjunctival sac. | **2** | | | | | | | | | | |
| 11. | Releases the lower eyelid after instilling the eye drops and instructs the patient to gently close the eyes. | **2** | | | | | | | | | | |
| 12. | Applies gentle pressure over inner canthus and instructs the patient not to rub the eye. | **2** | | | | | | | | | | |
| 13. | Doffs the gloves and assists patient to a comfortable position | **2** | | | | | | | | | | |
| 14. | Thanks the patient courteously and performs hand rub | **2** | | | | | | | | | | |
| 15. | Documents the procedure highlighting any significant findings noted | **2** | | | | | | | | | | |
| | **Total** | **30** | | | | | | | | | | |

**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Cot with screen<br>• Mannequin<br>• Writing pad with case scenario drug chart<br>• Bed side locker<br>• Clean tray with hand rub<br>• Clean gloves<br>• Prescribed eye drops with dispensing nozzle<br>• Normal saline<br>• Knife dish lined with gauze pad<br>• Small bowl with 4-5 cotton balls and gauze square (2×2 cm)<br>• Pre filled medication card<br>• K basin<br>• Drop box for filled response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS**

**DRUG CHART**

## Patient Information

Name: Mrs. Malar

Age: 61years

Gender: Female

Bed No: 5

Ward: Eye ward

Medical Diagnosis: Left Eye Cataract

Surgical Diagnosis: Left Eye Cataract Surgery Intra-occular lens replacement

POD: 2

## Physicians order

## Medications:

1. Chloramphenicol eye drops – one drop- QID× 2 weeks

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS**

**INSTRUCTIONS TO THE EXAMINEE**

### Case Scenario:

Mrs. Malar, aged 61 years, was admitted with complaints of blurred vision and poor night vision. She was diagnosed to have left eye Cataract and has undergone Left Eye Cataract Surgery with Intraoccular lens replacement. Today is the 1st post op day.

### Instructions:

- Read the Doctor's order
- Demonstrate the instillation of eye drops prescribed by the surgeon
- When the bell sounds, enter the room. You have 1 minute to read the case scenario and drug chart, and 4 minutes to perform the eye drops administration procedure.
- Document the findings.
- **The filled response sheet must be handed over to the examiner at the end of the station.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING I

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 3 – THERAPEUTIC PROCEDURE – INSTILLATION OF EYE DROPS**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Documentation**:

Name: Medical Diagnosis:

Age: Surgical Diagnosis:

Gender: POD:

Ward: Bed No: IP No:

| Date/ Time | Name of the Drug | Dose | Route | Freq | Action | Nurses Responsibility |
|---|---|---|---|---|---|---|
| | | | | | | |

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**Signature of the Examinee** **Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the triage colour coding.
- interpret & document the triage colour coding using the virtual sign on the slide

### Instructions

- Check and evaluate the accuracy of the triage colour coding, documented by the examinee
- Score the task based on the following.
  - **Score '1'** for each **fully accurate** response
  - **Score '0'** for **inaccurate response**, as suggested in the answer key
- Calculate the total score

## STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING

### SCORING SHEET

| Slide | Triage Colour Coding | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Red | 1 | | | | | | | | | | |
| 2 | Green | 1 | | | | | | | | | | |
| 3 | Black | 1 | | | | | | | | | | |
| 4 | Red | 1 | | | | | | | | | | |
| 5 | Yellow | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Name & Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING

**ANSWER KEY FOR THE EXAMINER**

| Slide Number | Triage Image | Triage Colour Code |
|---|---|---|
| 1 |  | Red |
| 2 |  | Green |
| 3 |  | Black |
| 4 |  | Red |
| 5 |  | Yellow |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Laptop with power source<br>• PPT slides containing images<br>• Chair<br>• Table<br>• Drop box for filled response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING**

**INSTRUCTION TO THE EXAMINEE**

- Watch the (virtual sign) power point slide carefully, identify the triage colour coding and document its interpretation.
- When the bell sounds, enter the room. You have 5 minutes to identify and interpret the triage colour coding.
- Document your response in the response sheet provided.
- **Place the filled response sheet in the drop box at the end of the allotted time.**

## B.Sc. NURSING DEGREE PROGRAMME – II YEAR

### MEDICAL SURGICAL NURSING I

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 4 – VIRTUAL SIGN IDENTIFICATION-TRIAGE COLOUR CODING

#### EXAMINEE RESPONSE SHEET

**Registration number:**

| Slide | Triage Colour Coding | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| | **Total** | **5** | |

**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 5 – DATA INTERPRETATION-CARDIAC PARAMETERS

#### INSTRUCTIONS TO THE EXAMINER

## Objectives

The station is designed to test the examinee`s ability to:

- identify the normal and abnormal cardiac parameters
- interpret & document the normal and abnormal cardiac parameters using the virtual image.

## Instructions

- Check and evaluate the accuracy of the cardiac parameters, documented by the examinee
- Score the task based on the following.
    - **Score '3'** for each **fully accurate** response
    - **Score '0'** for **inaccurate**, as suggested in the answer key
- Calculate the total score

## STATION NO: 5 – DATA INTERPRETATION -CARDIAC PARAMETERS

### SCORING SHEET

| Registration No | Respiration (3) | Mean pressure (3) | ECG (3) | Pulmonary Artery Pressure (PAP) (3) | Arterial BP (3) | Total (15) |
|---|---|---|---|---|---|---|
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**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION - CARDIAC PARAMETERS**

**ANSWER KEY FOR THE EXAMINER**

| S. No | Cardiac Parameters | Patient Value | Normal Value | Interpretation |
|---|---|---|---|---|
| 1 | Respiration | 40 | 12-20 | Tachypnea |
| 2 | Mean pressure | 79 | 70-100 mmHg | Normal |
| 3 | ECG | Sinus rhythm | Sinus rhythm | Normal |
| 4 | Pulmonary Artery Pressure (PAP) | 29/14 | 20-30/6-10 mm Hg | Normal |
| 5 | Arterial BP | 119/79 | Systolic BP:90-120 mmHg<br>Diastolic BP:50-80 mmHg | Normal |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -CARDIAC PARAMETERS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Images of cardiac parameter print out<br>• Chair<br>• Table<br>• Drop box for filled response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -CARDIAC PARAMETERS**

**INSTRUCTIONS TO THE EXAMINEE**

- Carefully read the content on the print out and note the respiration, mean pressure, ECG, Pulmonary Artery Pressure (PAP) and Arterial BP readings from the cardiac monitor image.
- Document the findings as patient value, normal value and its interpretation.
- When the bell sounds, enter the room. You have 5 minutes to identify and interpret the cardiac monitor readings mentioned in the question sheet.
- Document your answers in the response sheet provided.
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

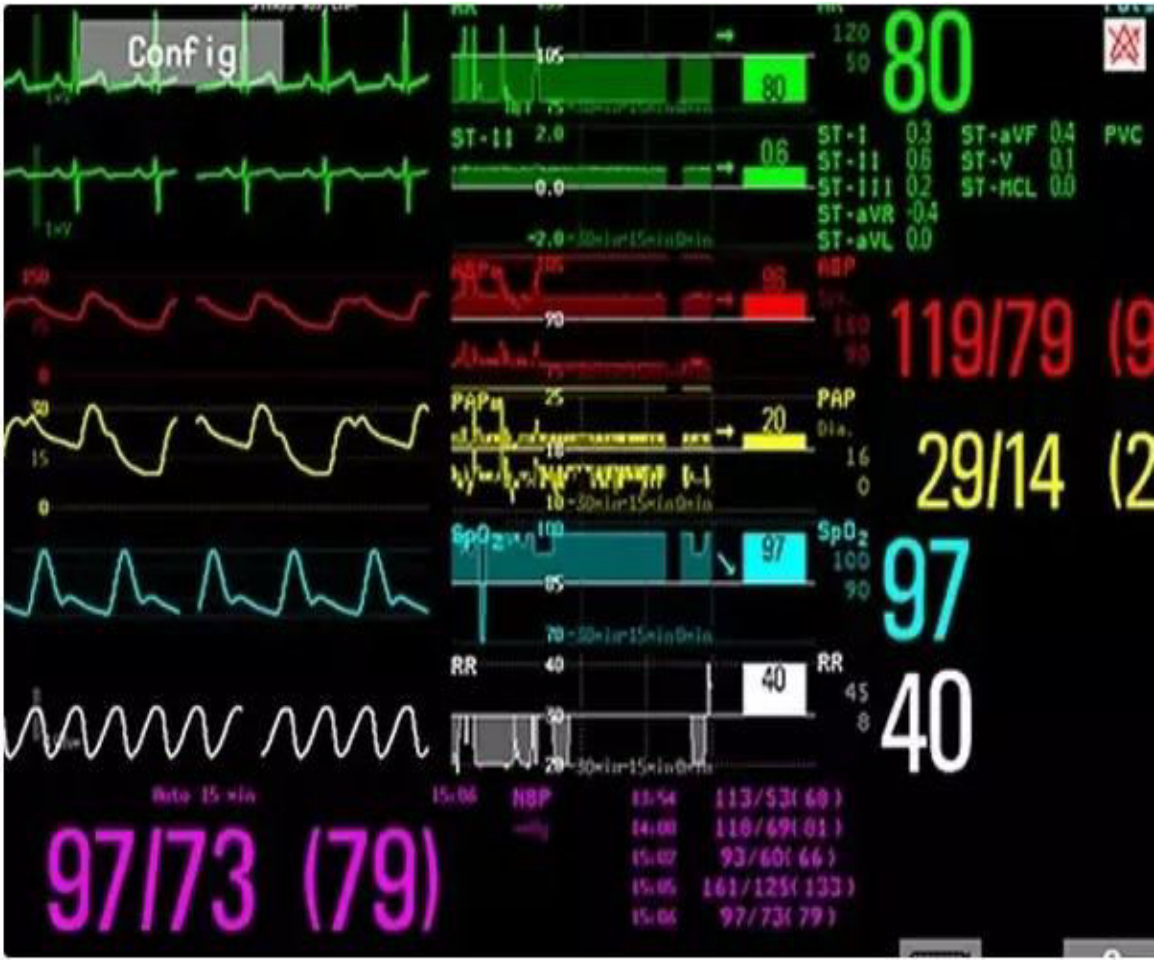
### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -CARDIAC PARAMETERS**

**QUESTION SHEET**

- Note and record the respiration, mean pressure, ECG, Pulmonary Artery Pressure (PAP) and Arterial BP readings from the cardiac monitor image given below




**CARDIAC MONITOR IMAGE**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 5 – DATA INTERPRETATION -CARDIAC PARAMETERS**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

| S. No | Cardiac Parameters | Patient Value | Normal Value | Interpretation | Max Score | Score Awarded |
|---|---|---|---|---|---|---|
| 1 | Respiration | | | | **3** | |
| 2 | Mean pressure | | | | **3** | |
| 3 | ECG | | | | **3** | |
| 4 | Pulmonary Artery Pressure (PAP) | | | | **3** | |
| 5 | Arterial BP | | | | **3** | |
| | | | | **Total** | **15** | |

**Signature of the Examinee:** **Signature of the Examiner:**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- SYMPTOMS OF BREAST CANCER

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the images related to breast cancer
- document the responses accurately

### Instructions

- Check and evaluate the accuracy of the response related to Breast Cancer, documented by the examinee.
- Score the task based on the following.
  - **Score '1'** for each image **identified accurately**
  - **Score '0'** for **inaccurate** responses based on the answer key
- Calculate the total score

**STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- BREAST CANCER**

**SCORING SHEET**

| Image No | Breast Cancer | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Erythema | 1 | | | | | | | | | | |
| 2 | Bloody Discharge | 1 | | | | | | | | | | |
| 3 | Inverted Nipple | 1 | | | | | | | | | | |
| 4 | Lump | 1 | | | | | | | | | | |
| 5 | Peau d'orange | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner**

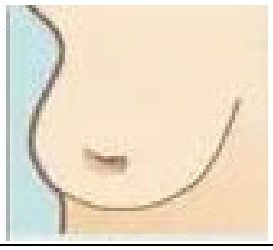
## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- SYMPTOMS OF BREAST CANCER

### ANSWER KEY FOR THE EXAMINER

| Slide No. | Image | Answer |
|---|---|---|
| 1 |  | Erythema |
| 2 |  | Bloody Discharge |
| 3 |  | Inverted Nipple |
| 4 |  | Lump |
| 5 |  | Peau d’orange |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- SYMPTOMS OF BREAST CANCER**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Laptop with power source<br>• PPT slides containing images<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- BREAST CANCER**

**INSTRUCTIONS TO THE EXAMINEE**

- Watch the (virtual sign) power point slide carefully, identify and document the interpretation of the images related to breast cancer.
- You have 5 minutes to identify and interpret the images.
- Document your responses in the response sheet provided.
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 6 –VIRTUAL SIGN IDENTIFICATION- BREAST CANCER**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Slide No | Image | Maximum Score | Score Awarded |
|---|---|---|---|
| 1 | | **1** | |
| 2 | | **1** | |
| 3 | | **1** | |
| 4 | | **1** | |
| 5 | | **1** | |
| | **Total** | **5** | |

**Signature of the Examiner** **Signature of the Examinee**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 7 – DATA INTERPRETATION - IDENTIFICATION OF ENT INSTRUMENTS

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify and document the displayed ENT instruments

### Instructions

- Check and evaluate the accuracy of the name of the ENT instrument, documented by the examinee.
- Score the task based on the following.
    - **Score '1'** for each instrument **identified accurately**
    - **Score '0'** for inaccurate response, as suggested in the answer key
- Calculate the total score

**STATION NO: 7 – DATA INTERPRETATION- IDENTIFICATION OF ENT INSTRUMENTS**

**SCORING SHEET**

| Labelled No | Name of the ENT Instrument | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Otoscope | 1 | | | | | | | | | | |
| 2 | Post Nasal Mirror | 1 | | | | | | | | | | |
| 3 | Simpson's Aural syringe | 1 | | | | | | | | | | |
| 4 | Nasal Speculum | 1 | | | | | | | | | | |
| 5 | Hartmann Alligator Forceps | 1 | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner**

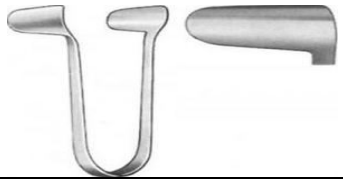
## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 7 – DATA INTERPRETATION -IDENTIFICATION OF ENT INSTRUMENTS

### ANSWER KEY FOR THE EXAMINER

| Labelled No | Name of the ENT Instrument | Answer |
|---|---|---|
| 1 |  | Otoscope |
| 2 |  | Post Nasal Mirror |
| 3 |  | Simpson's Aural syringe |
| 4 |  | Nasal Speculum |
| 5 |  | Hartmann Alligator Forceps |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 – DATA INTERPRETATION -IDENTIFICATION OF ENT INSTRUMENTS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray containing labelled ENT instruments<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 – IDENTIFICATION OF ENT INSTRUMENTS**

**INSTRUCTIONS TO THE EXAMINEE**

- Carefully observe and identify the labelled ENT instruments displayed and document the name of each instrument with accuracy, in the same order.
- When the bell sounds, enter the room. You have 5 minutes to identify and name the displayed ENT instruments.
- Document your answer in the response sheet provided.
- **Place the filled response sheet in the drop box**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 7 – DATA INTERPRETATION -IDENTIFICATION OF ENT INSTRUMENTS**

**Registration number:**

| Label No | Name of the ENT Instrument | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| | **Total** | **5** | |

**Signature of the Examinee:** **Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES**

**INSTRUCTIONS TO THE EXAMINER**

### Objectives

The station is designed to test the examinee`s ability to:

- identify the tracheostomy tube
- interpret & document the name of the tracheostomy tube using the image on the print out.

### Instructions

- Check and evaluate the accuracy of the types of tracheostomy tubes, documented by the examinee
- Score the task based on the following.
  - **Score '1'** for each **fully accurate** response
  - **Score '0'** for **inaccurate**, as suggested in the answer key
- Calculate the total score

## STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES

## SCORING SHEET

| Image No | Type of Tracheostomy Tube | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | | **1** | | | | | | | | | | |
| 2 | | **1** | | | | | | | | | | |
| 3 | | **1** | | | | | | | | | | |
| 4 | | **1** | | | | | | | | | | |
| 5 | | **1** | | | | | | | | | | |
| **Total** | | **5** | | | | | | | | | | |

**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES

### ANSWER KEY FOR EXAMINER

| Image | Tracheostomy Tube | Name | Maximum Score |
|---|---|---|---|
| 1 |  | Cuffed tube | 1 |
| 2 |  | Uncuffed tube | 1 |
| 3 |  | Fenestrated tube | 1 |
| 4 |  | Metal tube | 1 |
| 5 |  | Cuffed Adjustable Flange Tube | 1 |
| **Total** | | | 5 |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Print out of image containing tracheostomy tube<br>• Chair<br>• Table<br>• Drop box for filled response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES**

**INSTRUCTIONS TO THE EXAMINEE**

- Watch the images in the print out carefully, identify the type of tracheostomy tube and document the name for each tracheostomy tube
- You have 5 minutes to identify and interpret the images.
- Document your answers on the response sheet provided.
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES

### QUESTION SHEET

| Image | Tracheostomy Tube |
|---|---|
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 8 – DATA INTERPRETATION - TYPES OF TRACHEOSTOMY TUBES**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Image No | Tracheostomy Tubes | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| Total | | 5 | |

**Signature of the Examiner** **Signature of the Examinee**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- identify the resuscitation equipments
- interpret & document the name of the resuscitation equipment from the images on the print out.

### Instructions

- Check and evaluate the accuracy of the resuscitation equipments, documented by the examinee
- Score the task based on the following.
  - **Score '1'** for each **fully accurate** response
  - **Score '0'** for **inaccurate**, as suggested in the answer key
- Calculate the total score

**STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS**

**SCORING SHEET**

| Image No | Resuscitation Equipments | Max score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Bougie / ET Stillet | **1** | | | | | | | | | | |
| 2 | Mouth to Mouth Rebreather Mask | **1** | | | | | | | | | | |
| 3 | Automated CPR Compressor Machine | **1** | | | | | | | | | | |
| 4 | Laryngeal Mask Airway | **1** | | | | | | | | | | |
| 5 | Oropharyngeal Airway | **1** | | | | | | | | | | |
| | **Total** | **5** | | | | | | | | | | |

**Signature of the Examiner**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

### STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS

## ANSWER KEY FOR THE EXAMINER

| Image | Resuscitation Equipment | Name | Maximum Score |
|---|---|---|---|
| 1 |  | Bougie/ET Stillet | 1 |
| 2 |  | Mouth to Mouth Rebreather Mask | 1 |
| 3 |  | Automated CPR Compressor Machine | 1 |
| 4 |  | Laryngeal Mask Airway | 1 |
| 5 |  | Oropharyngeal Airway | 1 |
| | | **Total** | 5 |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For Examiner | For Examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Printout of Resuscitation equipment<br>• Chair<br>• Table<br>• Drop box for filled response sheet |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS**

**INSTRUCTIONS TO THE EXAMINEE**

- Carefully note and identify the images of resuscitation instrument given on the print out and document the name of the resuscitation equipment in the same order.
- You have 5 minutes to identify and interpret the images.
- Document your responses on the response sheet provided.
- **Place the filled response sheet in the drop box.**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS**

**QUESTION SHEET**

**Identify the images of resuscitation instrument given on the print out and document the name of the resuscitation equipment in the same order in the response sheet provided.**

| Image | Resuscitation Equipment |
|---|---|
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 9 – DATA INTERPRETATION - RESUSCITATION EQUIPMENTS**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Image No | Resuscitation Equipment | Max Score | Score Awarded |
|---|---|---|---|
| 1 | | 1 | |
| 2 | | 1 | |
| 3 | | 1 | |
| 4 | | 1 | |
| 5 | | 1 | |
| Total | | 5 | |

**Signature of the Examiner** **Signature of the Examinee**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)

#### STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION

#### INSTRUCTIONS TO THE EXAMINER

### Objectives

The station is designed to test the examinee`s ability to:

- Calculate the rate of infusion for emergency drug administration using infusion pump

### Instructions

- Examine the examinee's written responses for calculating the rate of infusion for emergency drug administration using infusion pump for the case scenario given below,

  **Case scenario:** Mr. Raghu 76 yrs, admitted in Cardiac Intensive Care Unit for supportive care has been prescribed an infusion of Inj. Dopamine at 5 mcg/min stat. Body weight of the patient is 60 kg.

- **Scoring criteria:**

  If examinee's response is

  - Fully accurate, score '5' can be given,
  - Partly accurate, score '3' can be given,
  - Inaccurate, score '0' can be given.

**STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION**

**SCORING SHEET**

| Registration No | Amount of Drug by Weight (2) | Amount of Drug to Dilute (2) | Drug Preparation (2) | Rate of Infusion Formula (2) | Rate of Infusion (2) | Total (10) |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
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**Signature of the Examiner**

**B.Sc. NURSING DEGREE PROGRAMME – III YEAR**

**MEDICAL SURGICAL NURSING - II**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION**

**ANSWER KEY**

| S. No | Steps | Answer |
|---|---|---|
| 1 | Amount of Drug by Weight | **180 mg** |
| 2 | Amount of Drug to Dilute | **4.5 ml** |
| 3 | Drug Preparation | **3600 mcg** |
| 4 | Rate of Infusion Formula | **Dose (in mcg) x body weight x 60 (min) / Drug concentration in mcg** |
| 5 | Rate of Infusion | **5 ml/hr** |

**Drug ordered:** Inj. Dopamine at 5 mcg/min stat

1 ampoule contains 200mg in 5 ml

**Amount of drug = Body Weight × 3**

= 60×3

= **180 mg**

**Amount of drug in ml = 180mg × 5 ml =4.5 ml**

**200 mg**

**Drug preparation:** Dopamine 180mg **(4.5 ml) + (45.5 ml)** NS = 50 ml

Therefore 50 ml contains 180mg=180/50=3.6mg

**Drug concentration in mcg =** 1000×3.6

= **3600 mcg**

**Rate of Infusion** = Dose (in mcg) x body weight x 60 (min) = _____ ml/hr

Drug concentration in mcg

5 mcg x 60 kg x 60 min = **5 ml/hr**

3600 mcg/ ml

**Answer: Rate of infusion of Inj.Dopamine = 5ml/hr**

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For examiner | For examinee |
|---|---|
| • Writing pad with instructions to the examiner, answer key and evaluation format | • Writing pad with instructions to examinee<br>• Writing pad with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION**

**INSTRUCTIONS TO THE EXAMINEE**

- When the bell sounds, enter the room. You have 5 minutes to calculate the rate of infusion for the given drug.
- Read the case scenario and do the calculation as directed on the response sheet provided.
- **Leave the filled response sheet in the drop box on completion of the allotted time.**

### Case Scenario

Mr. Raghu 76 yrs, admitted in Cardiac Intensive Care Unit for supportive care has been prescribed an infusion of Inj. Dopamine at 5 mcg/min stat. Body weight of the patient is 60 kg.

### Question:

Calculate the rate of infusion (ml/hr) that has to be administered for 50 ml of Dopamine infusion if drug dose ordered is 5mcg/min.

## B.Sc. NURSING DEGREE PROGRAMME – III YEAR

### MEDICAL SURGICAL NURSING - II

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**STATION NO: 10– PROBLEM SOLVING –DRUG CALCULATION**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Calculation of Drug Infusion Rate**

**Signature of the Examinee:** **Signature of the Examiner:**

**B.Sc. NURSING DEGREE PROGRAMME – III YEAR**
**MEDICAL SURGICAL NURSING - II**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE)**

**SCORE COMPILATION SHEET**

Date: _____

Name of the examination: _____

Register number of students allotted: From _____ To _____

Total number of students: Allotted: _____ Attended: _____Absent: _____

| S. No. | Registration number | Station - Max Score | | | | | | | | | | Total | % | Final OSCE/OSPE Score (University prescribed) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PE | PS | TP | VSI | DI | VSI | DI | DI | DI | PS | 110 | | |
| | | 20 | 10 | 30 | 5 | 15 | 5 | 5 | 5 | 5 | 10 | | | |
| | | | | | | | | | | | | | | |
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**Name and signature of the Examiners:**

**External** **Internal**

# M.Sc. NURSING DEGREE PROGRAM

## CLINICAL SPECIALITY-MEDICAL SURGICAL NURSING

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

### TEST MAP-BASED ON BLUE PRINT

| STATION NUMBER | TYPE OF STATION | PROGRAM COMPONENT | ITEM TITLE | COMPETENCY TEST | PROPOSED TEST FILE | DOMAINS OF CLINICAL EXPERIENCE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COMMUNICATION | | EXAMINATION | | PROCEDURE | | | COGNITIVE SKILLS | | |
| | | | | | | HT | OC | PE | VSI | TP | DP | IATF | DI | DM | PS |
| 1 | Manned | Peripheral Vascular | Peripheral Vascular System Assessment (Palpation of Lower Extremities) | PE | Simulated patient | – | -- | 1 | – | – | – | – | – | – | – |
| 2 | Unmanned | Cardiothoracic | Drug Calculation | PS | Print out | – | – | – | – | – | – | – | – | – | 1 |
| 3 | Manned | Respiratory | Arterial blood sample collection | DP | Mannequin | – | – | – | – | 1 | – | – | – | – | – |
| 4 | Unmanned | Gastrointestinal | Cirrhosis of liver | VSI | Simulated slides | – | – | – | 1 | – | – | – | – | – | – |
| 5 | Unmanned | Cardiothoracic | Identification of the parts and purpose of Swan Ganz Catheter | DI | Print out | – | – | – | – | – | – | – | 1 | – | – |

**Key Words:**

HT: History taking
OC: Other communication
PE: Physical examination
VSI: Virtual sign identification.
TP: Therapeutic procedure
DI: Data interpretation
IATF: Identification of abnormal test finding
DP: Diagnostic procedure
DM: Decision making
PS: Problem solving

**Subject Coordinator** **Head of the Department**

# M.Sc. NURSING DEGREE PROGRAM

## CLINICAL SPECIALITY-MEDICAL SURGICAL NURSING

### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

#### STATION 1: PHYSICAL EXAMINATION-PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)

#### INSTRUCTIONS TO THE EXAMINER

**Objectives:**

The station is designed to test the examinee`s ability to:

- Perform physical examination (palpation) of the lower extremities to check for any peripheral vascular abnormalities
- interpret & document the findings.

**Instructions:**

- Observe and evaluate the examinee while performing the following steps of physical examination–Palpation of peripheral vascular abnormalities in the lower extremities in the correct sequence and technique.
- Score ‘2’ for each task performed competently, ‘1’ for partially competent and ‘0’ if performed incompetently, as recommended in the evaluation format, and calculate the total score.

**STATION 1: PHYSICAL EXAMINATION – PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)**

| S.No. | Tasks | Max score | Registration Number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Greets the patient and introduces self | 2 | | | | | | | | | | |
| 2 | Explains the procedure to the patient and obtains consent | 2 | | | | | | | | | | |
| 3 | Provides privacy and ensures availability of articles | 2 | | | | | | | | | | |
| 4 | Performs hand-rub and positions patient comfortably in supine | 2 | | | | | | | | | | |
| 5 | **Palpates the lower extremities for:**<br>Edema- Gently presses the skin over the tibia or medial malleolus and dorsum of both feet for 5 seconds and notes indentation (pit) after releasing the pressure (both the legs) | 2 | | | | | | | | | | |
| 6 | Pulse- Assesses the rate, rhythm, volume and pressure in each blood vessels of both the lower extremities (popliteal, posterior tibial and dorsalis pedis artery) | 2 | | | | | | | | | | |
| 7 | Measures the calf muscle circumference in both the legs | 2 | | | | | | | | | | |
| 8 | Assesses Homan's sign (both legs) bydorsiflexing the foot and notes any pain in the calf muscle | 2 | | | | | | | | | | |
| 9 | Makes the patient comfortable and replaces the articles | 2 | | | | | | | | | | |
| 10 | Interprets and documents the findings | 2 | | | | | | | | | | |
| **Total** | | **20** | | | | | | | | | | |

**Signature of the Examiner:**

## M.Sc. NURSING DEGREE PROGRAM
### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING
#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

#### STATION 1: PHYSICAL EXAMINATION – PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)

#### ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS

| For stimulated patient | For examiner | For examinee |
|---|---|---|
| • Cot with screen<br>• Top sheet<br>• Writing pad with case scenario<br>• Instructions for simulated patient(to be informed prior to the OSCE) | • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Clean tray with hand rub and inch tape<br>• Tray with response sheet |

**M.Sc. NURSING DEGREE PROGRAM**
**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**
**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 1: PHYSICAL EXAMINATION –**
**PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)**

**INFORMATION TO THE SIMULATED PATIENT**

**Your role**: Patient, named Mr. Maran, aged 53 years.

**Information to be volunteered by you at the start of the physical examination**

- You have the complaints of sudden onset of mild pain in the lower limbs while walking.
- You are a known case of Chronic Hypertension on irregular treatment for the past 5 years
- You are a smoker and alcoholic for 30 years.
- Your BP on admission was 160/100 mmHg

**Background information**

**Demographic Data:**

- Name: Mr. Maran
- Age: 53 years
- Educational qualification: M.com
- Marital Status: Married
- Occupation: Police constable
- Religion: Hindu
- Family income: Rs.40 ,000/month

**Past medical and surgical history**

- Has past history of hypertension and not on regular treatment.
- You have no significant medications records
- You have no past surgical history.

**Relevant previous medications**

- You have no significant past medication history.

## M.Sc. NURSING DEGREE PROGRAM
### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING
#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

#### STATION 1: PHYSICAL EXAMINATION – PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)

#### INSTRUCTIONS TO THE EXAMINEE

**Case Scenario:**

Mr. Maran, aged 53 years is admitted with complaints of sudden onset of mild pain in the lower limbs while walking. He is a known case of Chronic Hypertension on irregular treatment for the past 5 years and has history of smoking and alcoholism for 30 years.

**Instructions:**

- Palpate the lower extremities for clinical features of peripheral vascular abnormalities and interpret the findings.
- When the bell sounds, enter the room. You have 1 minute to discuss with the patient and 4 minutes to examine the lower extremities of the patient using the articles provided.
- Document your observations and interpretations in the response sheet provided
- **Hand over the response sheet to the examiner at the end of the station.**

## M.Sc. NURSING DEGREE PROGRAM

### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 1: PHYSICAL EXAMINATION –**
**PERIPHERAL VASCULAR SYSTEM ASSESSMENT (PALPATION OF LOWER EXTREMITIES)**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

**Documentation:**

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**Signature of the Examinee:**

**Signature of the Examiner:**

**M.Sc. NURSING DEGREE PROGRAM**
**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**
**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

**INSTRUCTIONS TO THE EXAMINER**

## Objectives:

The station is designed to test the examinee`s ability to:

- Calculate the rate of infusion for emergency drug administration using infusion pump

## Instructions:

- Examine the examinee's written responses for calculating the rate of infusion for emergency drug administration using infusion pump for the case scenario given below.

  **Case scenario:** Mr. Mani 52 yrs, admitted in Cardiac Intensive Care Unit for supportive care has been prescribed an infusion of Inj. Dobutamine at 4 mcg/min stat. Body weight of the patient is 70 kg.

- **Scoring criteria:**
  If examinee's response is
  - ✓ Fully accurate, score '5' can be given,
  - ✓ Partly accurate, score '3' can be given,
  - ✓ Inaccurate, score '0' can be given.

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

**ANSWER KEY**

**Drug ordered:** Inj. Dobutamine at 4 mcg/min stat

1 ampoule contains 250mg in 5 ml

**Amount of drug = Body Weight ×3**

= 70×3

= **210 mg**

**Amount of drug in ml = 210mg × 5 ml**

**250 mg**

= **4.2 ml**

**Drug preparation:** Dobutamine 210mg **(4.2 ml)+(45.8 ml)** NS = 50 ml

Therefore 50 ml contains 250mg

**Drug concentration in mcg =** 1000×4.2

= **4200 mcg**

**Rate of Infusion=** Dose (in mcg) x body weight x 60 (min) = _____ ml/hr

Drug concentration in mcg

4 mcg x 70 kg x 60 min = **4 ml/hr**

4200 mcg/ ml

**Answer: Rate of infusion of Inj.Dobutamine=4ml/hr**

## M.Sc. NURSING DEGREE PROGRAM

### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Score awarded** | **Registration number** | | | | | | | | | |
| | | | | | | | | | | |
| **(Max score 5)** | | | | | | | | | | |

**Signature of examiner:**

## M.Sc. NURSING DEGREE PROGRAM
### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING
#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For examiner | For examinee |
|---|---|
| • Writing pad with instructions to the examiner, answer key and evaluation format | • Writing pad with instructions to examinee<br>• Tray with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

**INSTRUCTIONS TO THE EXAMINEE**

- When the bell sounds, enter the room. You have 5 minutes to calculate the rate of infusion for the given drugmentioned below, on the response sheet provided.
- **Leave the filled response sheet in the drop box on completion of the allotted time.**

**Case Scenario:**

Mr. Mani 52yrs, admitted in Cardiac Intensive Care Unit for supportive care was ordered an infusion of Dobutamine at 4 mcg/min Stat.His body weight is 70 kg.

**Question:**

Calculate the rate of infusion (ml/hr) that has to be administered for 250 ml of Dobutamine infusion if drug dose ordered is 4mcg/min.

## M.Sc. NURSING DEGREE PROGRAM

### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 2: PROBLEM SOLVING -CALCULATION OF DRUG INFUSION RATE**

**EXAMINEE RESPONSE SHEET**

**Registration number:**

**Calculation of Drug Infusion Rate**

**Signature of the Examinee:** **Signature of the Examiner:**

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION3: DIAGNOSTICPROCEDURE– ARTERIAL BLOOD SAMPLE COLLECTION**

**INSTRUCTIONS TO THE EXAMINER**

## Objectives:

The station is designed to test the examinee's ability to:

- demonstrate the arterial blood sample collection from the radial artery.
- follow the correct sequence and technique of collecting the arterial blood sample.

## Instructions:

- Observe and evaluate the examinee for correct sequence and technique while she performs the following steps of arterial blood collection.
- Score '2' for each task performed competently, '1' for partially competent and '0' if performed incompetently as recommended in the evaluation format and calculate the total score.

**STATION 3: DIAGNOSTICPROCEDURE– ARTERIAL BLOOD SAMPLE COLLECTION**

| S.No. | Tasks | Max score | Registration No | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1. | Verifies the doctor's order, identifies and greets the patient. | 2 | | | | | | | | | | |
| 2. | Explains the procedure and obtains consent from the patient. | 2 | | | | | | | | | | |
| 3. | Provides privacy and ensures availability of articles | 2 | | | | | | | | | | |
| 4. | Performs hand hygiene and positions patient comfortably in supine position | 2 | | | | | | | | | | |
| 5. | Places mackintosh and towel under the forearm, and a rolled towel under the wrist. | 2 | | | | | | | | | | |
| 6. | Performs Allen's test and ensures adequate circulation to the forearm. | 2 | | | | | | | | | | |
| 7. | Performs hand rub, wears gloves and palpates selected radial artery | 2 | | | | | | | | | | |
| 8. | Stabilizes the artery by slight hyperextension; cleans the site with alcohol swab and allows it to dry. | 2 | | | | | | | | | | |
| 9. | Holds a gauze pad with the fingers used to palpates the artery and prepares the patient for needle stick | 2 | | | | | | | | | | |
| 10. | Holds needle bevel up and inserts the needle at $45^{o}$ angle into radial artery | 2 | | | | | | | | | | |
| 11. | Allows arterial pressure to pump about 1 ml of blood into heparinized syringe. | 2 | | | | | | | | | | |
| 12. | Hold gauze pad over puncture site, withdraw syringe and needle and caps needle using one-hand technique | 2 | | | | | | | | | | |
| 13. | Applies firm pressure over and just proximal to puncture site with gauze, until the bleeding stops and instructs the patient to avoid using the extremity for vigorous activity for at least 24 hrs | 2 | | | | | | | | | | |
| 14. | Applies a small adhesive tape over stick site, after bleeding stops; checks and expel any air bubbles in the syringe | 2 | | | | | | | | | | |
| 15. | Makes patient comfortable; monitors patient for circulatory complications such as swelling, pain, numbness, tingling and document the findings of Allen's test, details of sample collected and arterial puncture site | 2 | | | | | | | | | | |
| | **Total** | **30** | | | | | | | | | | |

**Signature of the Examiner:**

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 3: DIAGNOSTICPROCEDURE– ARTERIAL BLOOD SAMPLE COLLECTION**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For examiner | For examinee |
|---|---|
| • Writing pad with instructions to the examiner and scoring sheet<br>• Drop box for evaluated response sheet<br>• Pen<br>• Pencil<br>• Eraser<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Tray with response sheet<br>• Cot with screen<br>• Mannequin<br>• Writing pad with case scenario<br>• Bedside locker<br>• Clean tray with hand rub<br>• Injection tray<br>• 1-2 ml heparinized syringe with cap<br>• 23 or 25 gauge needle<br>• Small bowl with 4 to 5 cotton balls<br>• 2 to 3 small gauze pads (2x2 inch size)<br>• Spirit<br>• Clean glove<br>• Small rolled towel<br>• Adhesive tape<br>• Small mackintosh with towel<br>• K - basin<br>• Label with patient's details, date and time sample collection |

**STATION 3: DIAGNOSTICPROCEDURE– ARTERIAL BLOOD SAMPLE COLLECTION**

**INSTRUCTIONS TO THE EXAMINEE**

## Case Scenario:

Mrs. Rajammal, aged 56 years, with a history of CCF,is admitted in the cardiac ward with complaints of difficulty in breathing, orthopnoea and sleeplessness.

## Instructions:

- Read the doctor's order and
- Demonstrate the arterial blood sample collection from the radial artery.
- When the bell sounds, enter the room. You have 4 minutes to perform the arterial blood sample collection and 1 minute for any discussion with the patient.
- Document the procedure and
- **Hand over the filled response sheet to the examiner at the end of the station.**

**STATION 3: DIAGNOSTICPROCEDURE– ARTERIAL BLOOD SAMPLE COLLECTION**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

**Documentation:**

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**Signature of the Examinee:**

**Signature of the Examiner:**

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER**

**INSTRUCTIONS TO THE EXAMINER**

## Objectives:

The station is designed to test the examinee`s ability to:

- identify the images related to Cirrhosis of liver
- document the responses accurately.

## Instructions:

- Check the accuracy of the responses, documented by the examinee, for the images related to Cirrhosis of liver
- Score '1' for each image identified accurately or '0' for inaccurate response based on the answer key and calculate the total score.

## M.Sc. NURSING DEGREE PROGRAM
### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING
### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

### STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER

### ANSWER KEY FOR THE EXAMINER

| Slide No. | Image | Answer |
|---|---|---|
| 1 |  | **Jaundice** |
| 2 |  | **Ascites** |
| 3 |  | **Spider telangiectasia** |
| 4 |  | **Edema** |
| 5 |  | **Palmar erythema** |

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER**

**SCORING SHEET**

| Slide No | Image | Max Score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| 1 | Jaundice | 1 | | | | | | | | | | |
| 2 | Ascites | 1 | | | | | | | | | | |
| 3 | Spider telangiectasia | 1 | | | | | | | | | | |
| 4 | Edema | 1 | | | | | | | | | | |
| 5 | Palmar erythema | 1 | | | | | | | | | | |
| | **Total** | 5 | | | | | | | | | | |

**Signature of the examiner:**

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER**

**ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS**

| For examiner | For examinee |
|---|---|
| • Writing pad with instructions to the examiner, answer key and scoring sheet<br>• Pen<br>• Chair<br>• Table | • Writing pad with instructions to examinee<br>• Laptop with power source<br>• PPT slides containing relevant images<br>• Tray with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## M.Sc. NURSING DEGREE PROGRAM

### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER**

**INSTRUCTIONS TO THE EXAMINEE**

- Carefully observeand identify the images (virtual sign) on the power point slides, and document the interpretation for each image in the response sheet provided.
- You have 5 minutes to identify and interpret the images.
- **Leave the filled response sheet in the drop box on completion of the allotted time.**

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**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 4: VIRTUAL SIGN IDENTIFICATION- CIRRHOSIS OF LIVER**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Slide No | Image | Max Score | Score awarded |
|---|---|---|---|
| 1 | | **1** | |
| 2 | | **1** | |
| 3 | | **1** | |
| 4 | | **1** | |
| 5 | | **1** | |
| | **Total** | **5** | |

**Signature of the examiner:**

## M.Sc. NURSING DEGREE PROGRAM
### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING
#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

#### STATION 5: DATA INTERPRETATION-
#### IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER

### INSTRUCTIONS TO THE EXAMINER

**Objectives:**

The station is designed to test the examinee`s ability to:

- identify theparts of the Swan Ganz Catheter, marked on the image given, and
- document the name and purpose of the parts accurately on the response sheet provided.

**Instructions:**

- Check the accuracy of the responses, documented by the examinee, related to the name and purpose of the 5 marked parts of the Swan Ganz Catheter
- Score ‘2’ for each fully accurate response (both name and purpose), ‘1’ for partially accurate response (either name or purpose) or ‘0’ for inaccurate response based on the answer key and calculate the total score.

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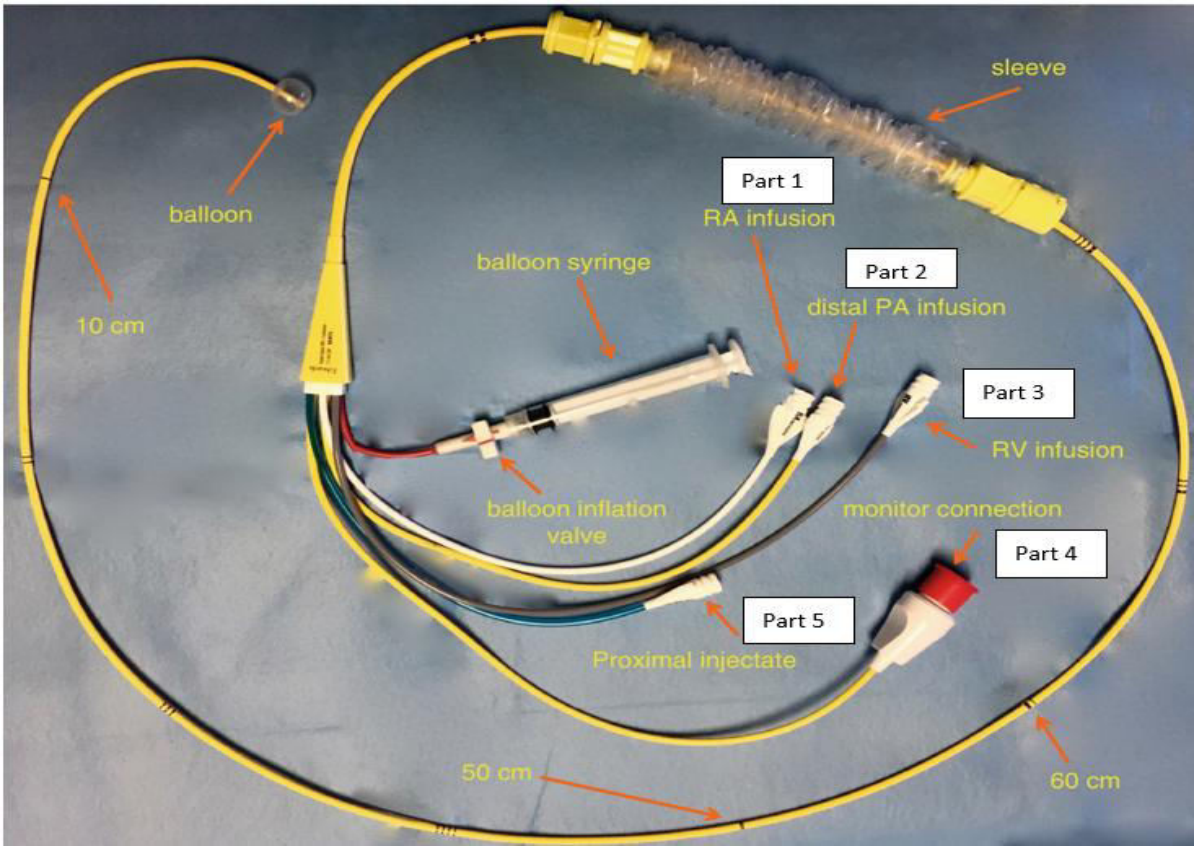
**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 5: DATA INTERPRETATION-**
**IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER**

**ANSWER KEY FOR THE EXAMINER**




**Parts of Swan Ganz Catheter and its purpose**

| Part No | Name of the part | Purpose | Max Score |
|---|---|---|---|
| 1 | Right atrial infusion port | To assess CVP and measure RA pressure | 2 |
| 2 | Distal pulmonary arteryinfusion port | For PA pressure transducer and mixed $SvO_2$sampling | 2 |
| 3 | Right ventricle infusion/pacing port | For infusion or pacing the right ventricle | 2 |
| 4 | Monitor/ thermistor connector | For power plug connection to the monitor for PA blood temperature measurement | 2 |
| 5 | Proximal injection port | For CVP monitoring, IV fluid and drug administration | 2 |
| | **Total** | | 10 |

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**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 5: DATA INTERPRETATION-**
**IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER**

**SCORING SHEET**

| Part No | Name of the part | Purpose | Max Score | Registration number | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| 1 | Right atrial infusion port | To assess CVP and measure RA pressure | 2 | | | | | | | | | | |
| 2 | Distal pulmonary arteryinfusion port | For PA pressure transducer and mixed $SvO_2$sampling | 2 | | | | | | | | | | |
| 3 | Right ventricle infusion/ pacing port | For infusion or pacing the right ventricle | 2 | | | | | | | | | | |
| 4 | Monitor/ Thermistor connector | For power plug connection to the monitor for PA blood temperature measurement | 2 | | | | | | | | | | |
| 5 | Proximal injection port | For CVP monitoring, IV fluid and drug administration | 2 | | | | | | | | | | |
| | | **Total** | 10 | | | | | | | | | | |

**Signature of the examiner:**

## M.Sc. NURSING DEGREE PROGRAM
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#### OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK

#### STATION 5: DATA INTERPRETATION-
#### IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER

### ARTIFACT/ EQUIPMENTS/ PRELIMINARY REQUIREMENTS

| For examiner | For examinee |
|---|---|
| • Writing pad with instructions to the examiner and answer key | • Writing pad with instructions to examinee and<br>• Print out of question sheet<br>• Tray with response sheet<br>• Drop box for filled response sheet<br>• Chair<br>• Table |

## M.Sc. NURSING DEGREE PROGRAM

### CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 5: DATA INTERPRETATION-**
**IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER**

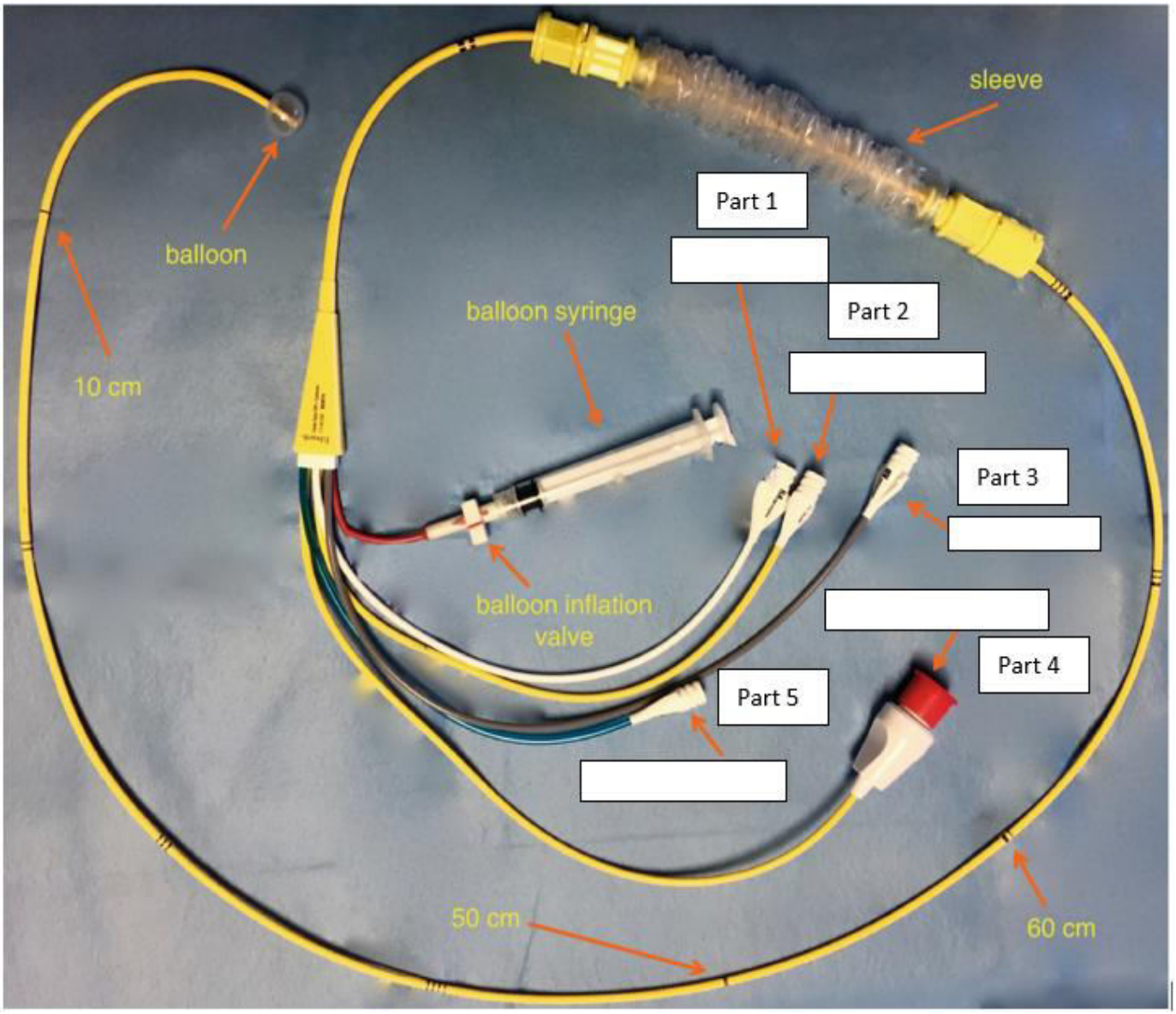
**INSTRUCTIONS TO THE EXAMINEE**

- Carefully observe the parts of the Swan Ganz catheter, marked on the print out, identify the name of the parts and the purpose of each and document the findings.
- You have 5 minutes to identify and interpret the parts and its purpose.
- Document your responses on the response sheet provided and
- **Leave the filled response sheet in the drop box on completion of the allotted time.**

**STATION 5: DATA INTERPRETATION-**
**IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER**

## QUESTION SHEET

- Carefully observe the partsof the Swan Ganz catheter, marked on the print out
- Identify the name of the parts 1-5 and the purpose of each and document the findings in the response sheet provided.



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**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL / CLINICAL EXAMINATION (OSPE/OSCE) BANK**

**STATION 5: DATA INTERPRETATION-**
**IDENTIFICATION OFTHE PARTS & PURPOSE OF SWAN GANZ CATHETER**

**EXAMINEE RESPONSE SHEET**

**Registration Number:**

| Part No | Parts of Swan Ganz Catheter | Purpose | Max Score | Score awarded |
|---|---|---|---|---|
| 1 | | | **2** | |
| 2 | | | **2** | |
| 3 | | | **2** | |
| 4 | | | **2** | |
| 5 | | | **2** | |
| | | **Total** | **10** | |

**Signature of the examiner:**

**M.Sc. NURSING DEGREE PROGRAM**

**CLINICAL SPECIALITY- MEDICAL SURGICAL NURSING**

**OBJECTIVE STRUCTURED PRACTICAL/CLINICAL EXAMINATION (OSPE/OSCE) BANK**

## SCORE COMPILATION SHEET

**Date:**_____

**Name of the examination:**_____

**Register number of students allotted**: From _____ To _____

**Total number of students:** Allotted: _____ Attended:_____ Absent:_____

| Registration number | Station-Max Scores | | | | | Total score (Max 70) | % | Final OSCE/OSPE Score (University prescribed) |
|---|---|---|---|---|---|---|---|---|
| | 1 PE | 2 PS | 3 DP | 4 VSI | 5 DI | | | |
| | 20 | 5 | 30 | 5 | 10 | | | |
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**Name and signature with date:**

**Internal Examiner:** **External Examiner:**

## 6. REFERENCES


1. Ghai, S. PGIMER-NINE: Clinical Nursing Procedures. CBS Publishers.
2. Kelly, M.A., Mitchell, M.L., Henderson, A. *et al.* (2016). OSCE best practice guidelines—applicability for nursing simulations. *Adv Simul* 1**,** 10. https://doi.org/10.1186/s41077-016-0014-1
3. Omayal Achi College of Nursing. (2018). Manual of Nursing Procedures and Practice (2nd ed.). New Delhi:Wolters Kluwer.
4. OSCE: The Ultimate Prep Guide in 2021. (2021). Available from: OSCE: The Ultimate Prep Guide in 2021 | BeMo® (bemoacademicconsulting.com).
5. Harden, R.M., Lilley, P. & Patrício, M. (2015).The Definitive Guide to the OSCE: The Objective Structured Clinical Examination as a performance assessment. Elsevier.