

# Pre/Post Training Objective Structured Clinical Evaluation (OSCE)-Answer Key

## Station 1: Active Management of Third Stage of Labor

**Instruction:** A score of 1 is given to each step that the participant performs correctly and in the proper sequence. In remarks mention the sequence and the quality of the step (whether performed or not performed as per the standards).

S.No.	Steps	Score	Remarks
1.	Preliminary step--rules out the presence of another baby by abdominal examination	1	
2.	Administers uterotonic drug—10 IU oxytocin IM OR Misoprostol 3 tablets (600ug) orally	1	
3.	Performs Controlled Cord Traction during contractions and delivers the placenta and membranes	1	
4.	Performs uterine massage	1	
5.	Examines the lower vagina and perineum	1	
6.	Examines placenta, membranes and umbilical cord a. Maternal surface of placenta b. Foetal surface c. Membranes d. Umbilical cord	1	
7.	Places instruments in 0.5% chlorine solution for 10 minutes for decontamination	1	
8.	Decontaminates or disposes the syringe and needle	1	
9.	Immerses both gloved hands in 0.5% chlorine solution	1	
10.	Washes hands thoroughly with soap and water and air dries	1	

**Score of competency = 8/10 (80%)**

**Participant's score = \_\_\_\_ /10**

**Result: Competent/Needs improvement (circle the appropriate result)**

**Note:** Write the score obtained by the participant and circle the appropriate result- whether competent or needs improvement, according to the suggested competent score obtained for each station.

## Station 2: Newborn Resuscitation

The participant gets a score of 1 if he/she is performing the following tasks correctly and in the correct sequence. If not performed to standards, mention your observation and comment in the remarks column.

S.No.	Task	Score	Remarks
1.	Gets ready with: <ul style="list-style-type: none"> <li>• Bag and mask</li> <li>• Suction equipment</li> <li>• Radiant warmer or other heat source</li> <li>• 2 warm towels</li> <li>• Clock with seconds hand</li> <li>• Oxygen source</li> <li>• Gloves</li> <li>• Shoulder roll</li> <li>• Cord tie/ Cord clamp</li> <li>• Scissors</li> <li>• Stethoscope</li> </ul>	1	
2.	Looks for breathing/cry of baby. If not and liquor meconium stained, then sucks mouth and nose at the mother's abdomen	1	
3.	Quickly dries the baby, removes wet towel and wraps in another warm dry towel	1	
4.	Assesses breathing of baby	1	
5.	If not breathing, clamps and cuts the cord immediately	1	
6.	Places the baby on a warm, firm flat surface (radiant warmer)	1	
7.	Positions the baby in slight neck extension using a shoulder roll Performs Suction of mouth and nose Stimulates the baby by gently rubbing the back twice Repositions the baby and reassesses breathing	1	
8.	If not breathing, provides bag and mask ventilation for 30 seconds, makes sure that the chest rises	1	
9.	Reassesses the baby after 30 seconds of ventilation	1	
10.	If still not breathing, continues bag and mask ventilation, starts oxygen and assesses the heart rate	1	
11.	If the baby is still not breathing, continues bag and mask ventilation and refers to higher center	1	
12.	At any point, if baby starts breathing, provides observational care	1	

**Score of competency = 9/12 (75%)**

**Participant's score = \_\_\_\_ /12**

**Result: Competent/Needs improvement (circle the appropriate result)**

**Note:** Write the score obtained by the participant and circle the appropriate result- whether competent or needs improvement, according to the suggested competent score obtained for each station.

### **Station 3: Management of Antenatal Complications**

**Instruction:** Score the correct answers as mentioned below.

- 1. What is your diagnosis? (Two Mark)**  
Eclampsia
- 2. Which medicine will you give her? (Two Mark)**  
Injection Magnesium Sulphate
- 3. How will you manage this case using magnesium sulphate?**

**Step 1: Describe how will you prepare and administer magnesium sulphate loading dose? (One Mark)**

5 g of 50% Inj. MgSO<sub>4</sub> deep IM on each buttock (total 10g)  
4g (8ml) of MgSO<sub>4</sub> intravenously diluted to 20% by adding 12 ml Normal Saline given IV over 5 min

**Step 2: How long should you give magnesium sulphate in this case if no side effects occur? (One mark)**

24 hours after delivery or last convulsion whichever is later

**Step 3: What is the maintenance dose of the magnesium sulphate? One Mark)**

5g 50% MgSO<sub>4</sub> deep IM alternate buttock every 4 hours

**Step 4: What are the signs of magnesium sulphate toxicity for which you will withhold the dose? (One mark)**

Respiratory rate less than 16 per min, Urine output less than 25-30ml per hour,  
Knee jerk absent

**Score of competency = 6/8 (75%)**

**Participant's score = \_\_\_\_ /8**

**Result: Competent/Needs improvement (circle the appropriate result)**

**Note:** Write the score obtained by the participant and circle the appropriate result- whether competent or needs improvement, according to the suggested competent score obtained for each station.

#### Station 4: Management of Postnatal Complications

1. The participant gets a score of 2 for correct diagnosis  
Diagnosis: Postpartum Hemorrhage (PPH)
2. The participant gets a score of 1 for all correct responses

S. No	Answer	Score
1.	Yes	1
2.	No	1
3.	No	1
4.	Yes	1
5.	Yes	1
6.	Yes	1
7.	No	1
8.	No	1
9.	Yes	1

#### 3. (c) Inj. Oxytocin - 1 Mark

Score of competency = 9/12 (75%)

Participant's score = \_\_\_\_ /12

Result: Competent/Needs improvement (circle the appropriate result)

**Note:** Write the score obtained by the participant and circle the appropriate result- whether competent or needs improvement, according to the suggested competent score obtained for each station.

### **OSCE Summary**

**Note:** Complete the OSCE summary sheet table of each participant on their OSCE assessment sheet

<b>Station</b>	<b>Activity</b>	<b>Score of competency</b>	<b>Participant's Score</b>	<b>Competent/Needs improvement</b>
1.	AMTSL	8/10		
2.	Newborn resuscitation	9/12		
3.	Management of antenatal complications	6/8		
4.	Management of postnatal complications	9/12		