



**Ministry of**

**Education**

## **Test Blueprint for National Exit Examination**

**Program:- Bachelor of Science Degree in Midwifery  
Program**

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## **1. Introduction**

The Ministry of Education of Ethiopia has announced the implementation of exit exam for all undergraduate program students (public and private), beginning with the 2022/2023 academic year, in order to improve the quality of graduates produced by higher learning institutions. To implement this, it requires determining competency areas for a specific program, which is already completed. Based on the competency areas prepared, it needs to plan the construction of tests.

Test should be able to measure student performance in all dimensions of knowledge, skill and attitude. Test construction needs the preparation of test blue print. Test blueprint is defined as a complete plan that explains how to develop a test. The term refers to a map or specification of assessment to ensure that all aspects of the curriculum and educational domains are covered by the assessment programs over a specified period of time. It helps curriculum developers/test constructors to match various competencies with the course content and the appropriate modality of assessment.

Generally, test blueprint will help to ensure tests to appropriately assess the achievement of instructional objectives of the course; reflect key course goals, objectives and the material learned or covered during the instruction period; and include the appropriate item formats along with the knowledge and skills being assessed.

Keeping this in mind, the team has prepared this test blueprint document in order to help the test developers or content specialists in their process of valid and reliable test construction. The major points considered in the process of preparing this test blue print guideline were the core competencies that have been already identified for the themes of courses, the course contents, course credit hours, and the learning outcomes with

their corresponding levels of achievement by learning domains. In line with these, the number of test items that should adequately assess the performance of students in all the content topics will be determined through discussion with the content specialists who construct the blueprint and test for midwifery program.

Therefore, the main purpose of this test blueprint is to give direction on how to prepare items for content specialists so that they can develop a test blueprint for midwifery program.

## **2. Objective of Test Blueprint**

The main purpose of exit exam is to verify the competence and attest readiness of final-year midwifery students for a minimally supervised practice ensuring patient safety and contributing to quality healthcare provision.

The goal of this blueprint is to improve quality and standardize assessment practices thereby improving students' competence and their performances. Test blueprint preparation is generally opted to assist the preparation of a test that is representative, broadly sampled, and consisting of complete knowledge domain expected of the Ethiopian higher education students on completion of their study program. The specific objectives of test blueprint are to:

- Facilitate the construction of a representative and balanced test items for the selected courses in accordance with the competencies identified in the midwifery.
- Guide test developers or writers to write or set appropriate test items for national midwifery program exit examination.

### **3. Expected Profile of the Graduates**

A graduate's profile is the general description of the desirable qualities of graduates in real-world work. Graduates' profile helps to determine the students' conceptual knowledge, skills, and attitude that they possess. A graduate profile can be advanced through experience in the real world.

After critical review of existing national documents on learning outcomes including the current BSc curriculum, a graduating midwife is expected to accomplish all the procedures in observing , assisting and independently performing tasks in; pre-conception, reproductive and adolescent health care; family planning services, midwifery care during pregnancy, labor and delivery/ birth, and postpartum care, midwifery care for newborns and children, including midwifery care for gynecologic patients and basic midwifery care. Beside a graduating midwifery student is expected to attain necessary understanding of theoretical, analytical tools, and practical implementation of social, epidemiologic & cultural context of midwifery practice, organizational management & leadership, research and evidence based midwifery care, interpersonal relationship and communication, professional, ethical & legal midwifery practice.

#### **4. General Objectives**

After critical review of existing national documents on midwifery program objectives including the current BSc curriculum, the core objectives are organized as:

- Provide Preconception care
- Provide adolescent and youth health service
- Provide family planning service
- Provide Antenatal care
- Provide care during labor and birth
- Provide postpartum care
- Provide care for clients with Gynecologic problems
- Provide newborn and child health care
- Implement effective managerial and leadership skills in the provision of quality midwifery care

- Uphold commitment to excellence in midwifery practice through application of evidence to practice and research activities
- Assess and diagnose/identify priority problems for health promotion and disease prevention at the individual, group, and community levels.
- Plan, implement, monitor, and evaluate health promotion and disease prevention interventions for individuals, groups, and communities

## **5. Specific Objectives**

- Conduct comprehensive assessment of pre-pregnant mothers
- Provide pre-pregnancy care for women and couples
- Conduct comprehensive assessment for adolescent and youth client
- Provide counseling and health education for adolescent and youth client
- Diagnosis and Manage adolescent/youth Health problems
- Provide client-centered counseling on family planning
- Provide different family planning methods
- Manage contraceptive related side effect and complications
- Conduct compressive assessment pregnant mother
- Manage common pregnancy related problems
- Provide counseling for pregnant mothers

- Evaluate the effectiveness plan of Ante natal care and modify accordingly
- Assess laboring mother in the holistic manner
- Provide client centered care during labor and delivery
- Conduct normal labor
- Manage abnormal labour/delivery and its complications
- Manage obstetrics emergencies during labor and delivery
- Evaluate Maternal care plan and modify based on the findings.
- Assess postpartum mother and newborn in the culturally sensitive manner
- Provide counseling in the postpartum care
- Conduct Compressive assessment and diagnose common gynecological problems
- Manage common gynecological problems
- Conduct comprehensive assessment for neonate and under-5 children
- Manage health problems of neonatal and under five children
- Conduct comprehensive assessment for Newborn
- Translate knowledge from relevant resources into professional midwifery practices
- Engage in research activities
- Identify priority problems for health promotion and disease prevention at the individual, group, and community levels

## 6. Themes, list of courses and credit hours(Table-1)

| S.N<br>o. | Theme                  | List of Course            | Course<br>Code | ECTS | Chr |
|-----------|------------------------|---------------------------|----------------|------|-----|
| <b>1</b>  | Patient<br>Care(82.2%) | Preconception Care(3.2%)  | MidwM2071      | 3    | 2   |
|           |                        | Reproductive health(4.9%) | MidwM2071      | 4    | 3   |
|           |                        | Family planning(6.5%)     | MidwM3091      | 7    | 4   |
|           |                        | Antenatal care(16.3%)     | MidwM2081      | 17   | 10  |
|           |                        | Labor and delivery(17.9%) | MidwM3101      | 18   | 11  |

| S.N<br>o. | Theme                                               | List of Course                        | Course<br>Code             | ECTS      | Chr       |
|-----------|-----------------------------------------------------|---------------------------------------|----------------------------|-----------|-----------|
|           |                                                     | Postnatal course(8.1%)                | MidwM3101                  | 8         | 5         |
|           |                                                     | Gynecology(8.1%)                      | MidwM3111                  | 8         | 5         |
|           |                                                     | Pediatrics and child<br>health(6.5%)  | MidwM3141                  | 7         | 4         |
|           |                                                     | Neonatology(.5%)                      | MidwM3131                  | 7         | 4         |
|           |                                                     | Fundamentals of nursing<br>(4.9%)     | MidwM1021                  | 4         | 3         |
|           |                                                     | <b>Total</b>                          |                            | <b>83</b> | <b>51</b> |
| <b>2</b>  | Scholar(11.3%)                                      | Epidemiology(3.2%)                    | SPHM2062                   | 3         | 2         |
|           |                                                     | Biostatistics(4.7%)                   | SPHM2062                   | 4         | 3         |
|           |                                                     | Research methodology (3.2%)           | MidwM4192                  | 3         | 2         |
|           |                                                     | <b>Total</b>                          |                            | <b>10</b> | <b>7</b>  |
| <b>3</b>  | Leadership and<br>Management(1.6<br>%)              | Health service<br>management(2%)      | SPHM3152                   | 2         | 1         |
|           |                                                     | <b>Total</b>                          |                            | <b>2</b>  | <b>1</b>  |
| <b>4</b>  | Health Promotion<br>and Disease<br>prevention(3.3%) | Communicable disease<br>control (3%)  | SPMH2032                   | 3         | 2         |
|           |                                                     | <b>Total</b>                          |                            | <b>3</b>  | <b>2</b>  |
| <b>5</b>  | Professionalism(1.6%)<br><br><b>2</b>               | Midwifery professional ethics<br>(3%) | MidwM102 <sub>2</sub><br>1 | 2         | 1         |
|           |                                                     | <b>Total</b>                          |                            | <b>2</b>  | <b>1</b>  |

## 7. Share of the Themes/Courses/Items in Percentage (%) (Table-2)

| Themes                              | Course Name                    | Ch<br>r. | Weight of<br>course or<br>proportion | Number of<br>test items<br>from each<br>course | Cognitive |          |       |          |          |   | Affective | Psychomotor | Total |
|-------------------------------------|--------------------------------|----------|--------------------------------------|------------------------------------------------|-----------|----------|-------|----------|----------|---|-----------|-------------|-------|
|                                     |                                |          |                                      |                                                | Rememb    | Understa | Apply | Analyze  | Evaluate |   |           |             |       |
| <b>Patient<br/>care<br/>(82.6%)</b> | Preconception<br>Care          | 2        | 2/51 =<br>0.039                      | 0.039*83 = 3.2                                 | 1         | -        | -     | -        | 1        | - | 0.6       | 0.6         | 3.2   |
|                                     | Reproductive<br>health         | 3        | 3/51 =<br>0.059                      | 0.059*83 = 4.9                                 | 1         | 1        | -     | -        | 0.9      | - | 1         | 1           | 4.9   |
|                                     | Family<br>planning             | 4        | 4/51 =<br>0.078                      | 0.078*83 = 6.5                                 | 1         | -        | 0.6   | -        | -        | - | 1.3       | 3.6         | 6.5   |
|                                     | Antenatal care                 | 10       | 10/51 =<br>0.196                     | 0.196*83 = 16.3                                | 2         | 1        | 1     | 0.5<br>3 | -        | - | 3.2<br>4  | 8.53        | 16.3  |
|                                     | Labor and<br>delivery          | 11       | 11/51=0.21<br>6                      | 0.216*83=17.9                                  | 3         | 2        | -     | 0.2      | 4        | - | 1.5       | 9.2         | 17.9  |
|                                     | Postnatal<br>course            | 5        | 5/51=0.098                           | 0.098*83=8.1                                   | 1         | 1        | -     | -        | 0.2<br>7 |   | 1.5<br>6  | 4.27        | 8.1   |
|                                     | Gynecology                     | 5        | 5/51=0.098                           | 0.098*83=8.1                                   | 3         | 2        | -     | -        | 0.2<br>7 | - | 0.5<br>6  | 2.27        | 8.1   |
|                                     | Pediatrics and<br>child health | 4        | 4/51=0.078                           | 0.078*83 = 6.5                                 | 1         | 0.6      | -     | -        | -        | - | 0.3       | 4.6         | 6.5   |
|                                     | Neonatology                    | 4        | 4/51=0.078                           | 0.078*83 = 6.5                                 | 1         | 2        | -     | -        | -        | - | 0.8       | 2.6         | 6.5   |

|                                                       |                              |           |              |                  |   |     |     |   |   |   |      |      |          |
|-------------------------------------------------------|------------------------------|-----------|--------------|------------------|---|-----|-----|---|---|---|------|------|----------|
|                                                       |                              |           |              |                  |   |     |     |   |   |   |      |      |          |
|                                                       | Fundamentals of nursing      | 3         | $3/51=0.059$ | $0.059*83 = 4.9$ | 1 | 1.1 | -   | - | - | - | 0.83 | 1.97 | 4.9      |
|                                                       | Theme one total credit       | <b>51</b> | 1            | 82.9             |   |     |     |   |   |   |      |      | 82.9     |
| <b>Scholar (11.3%)</b>                                | Epidemiology                 | 2         | $2/7 = 0.29$ | $0.29*11 = 3.2$  | 1 | 1   | 1.2 | - | - | - | -    | -    | 3.2      |
|                                                       | Biostatistics                | 3         | $3/7 = 0.43$ | $0.43*11 = 4.7$  | 1 | 1   | 2.7 | - | - | - | -    | -    | 4.7      |
|                                                       | Research Methodology         | 2         | $2/7 = 0.29$ | $0.29*11 = 3.2$  | - | 1   | 1.1 | - | - | - | 0.4  | 0.7  | 3.2      |
|                                                       | Theme two total credit       | <b>7</b>  | 1            | 11.1             |   |     |     |   |   |   |      |      | 11.1     |
| <b>Leadership and Management (1.6%)</b>               | Health service Management    | 1         | $1/1 = 1$    | $1*2 = 2$        | 1 | 1   | -   | - | - | - | -    | -    | 2        |
|                                                       | Theme three total credit     | <b>1</b>  | <b>1</b>     | <b>2</b>         |   |     |     |   |   |   |      |      | <b>2</b> |
| <b>Health Promotion and Disease prevention (3.3%)</b> | Communicable disease control | 2         | $1/1=1$      | $1*3=3$          | 2 | 1   | -   |   | - | - | -    | -    | 3        |
|                                                       | Theme four total credit      | <b>2</b>  | 2            | 3                |   |     |     |   |   |   |      |      | 3        |
| <b>Profession</b>                                     | Midwifery                    | <b>1</b>  | $1/1=1$      | $1*2=2$          | 1 | -   | -   | - | - | - | 2    | 0    | 3        |

|                         |                            |          |   |   |  |  |  |  |  |  |  |  |     |
|-------------------------|----------------------------|----------|---|---|--|--|--|--|--|--|--|--|-----|
| <b>alism<br/>(1.6%)</b> | professional<br>Ethics     |          |   |   |  |  |  |  |  |  |  |  |     |
|                         | Theme five total<br>credit | <b>1</b> | 1 | 2 |  |  |  |  |  |  |  |  | 3   |
| Total for the program   |                            | 62       |   |   |  |  |  |  |  |  |  |  | 100 |

### 8. Test blueprint Table (Table of Specification) (Table-3)

| Theme<br>s | Name of<br>courses | Ch<br>r. | Em<br>ph<br>asi<br>s % | General<br>Objective | Specific Objective | Learning outcomes |               |             |          |            |           |       |          | No. items |
|------------|--------------------|----------|------------------------|----------------------|--------------------|-------------------|---------------|-------------|----------|------------|-----------|-------|----------|-----------|
|            |                    |          |                        |                      |                    | Cognitive         |               |             |          |            |           | skill | attitude |           |
|            |                    |          |                        |                      |                    | Remembering       | Understanding | application | Analysis | Evaluation | Creation/ |       |          |           |

|                                              |                            |   |          |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |   |   |   |   |   |     |     |  |
|----------------------------------------------|----------------------------|---|----------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|-----|-----|--|
| Theme<br>1<br>Patient<br>Care<br>(82.6%<br>) | Pre<br>conceptio<br>n Care | 2 | 3.2<br>% | Provide<br>Preconcepti<br>on care | <ul style="list-style-type: none"> <li>•Identify pertinent components of history for pre-pregnant mothers</li> <li>•Identify steps of physical examination for pre-pregnant mothers</li> <li>•Identify and interpret relevant laboratory investigations</li> <li>•Mention Health and behavioral problems with risk factors</li> <li>•Identify counselling steps on SRH risk/protective factors               <ul style="list-style-type: none"> <li>• Describe common STIs managements</li> </ul> </li> <li>•Differentiate prevention and managements of violence against women including FGM</li> <li>•Identify vaccination and prophylaxis's</li> <li>•Describe Iron folate, and folic acid indications</li> </ul> | 1 | - | - | - | 1 | - | 0.6 | 0.6 |  |
|----------------------------------------------|----------------------------|---|----------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|-----|-----|--|

| Theme<br>s | Name of<br>courses         | Ch<br>r. | Em<br>ph<br>asi<br>s % | General<br>Objective                                    | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Learning outcomes |   |   |   |     |   |   |   | No. items |
|------------|----------------------------|----------|------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|---|-----|---|---|---|-----------|
|            | Reproduc<br>tive<br>Health | 3        | 4.9<br>8%              | Provide<br>adolescent<br>and youth<br>health<br>service | <ul style="list-style-type: none"> <li>•Identify comprehensive history from adolescent and youth client</li> <li>•Describe physical examination for adolescent and youth client</li> <li>• Identify and interpret relevant laboratory investigation</li> <li>•Recognize substance addicted adolescent/youth, victims of gender based violence and linking steps to respective department</li> <li>•Describe sexual education based on their age</li> <li>•Identify counseling methods on risk and protective factors of substance abuse</li> <li>•Describe nutritional counseling</li> <li>•Identify common STIs management</li> <li>•Identify management of adolescent health problems like unwanted pregnancy</li> </ul> | 1                 | 1 | – | - | 0.9 | – | 1 | 1 |           |

| Theme<br>s | Name of<br>courses | Ch<br>r. | Em<br>ph<br>asi<br>s<br>% | General<br>Objective                     | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Learning outcomes |   |     |   |   |   |   |     | No. items |
|------------|--------------------|----------|---------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|-----|---|---|---|---|-----|-----------|
|            | Family<br>Planning | 4        | 6.5<br>%                  | Provide<br>family<br>planning<br>service | <ul style="list-style-type: none"> <li>•Recognize compressive history for a client in need of family planning</li> <li>•Identify physical examination for in needs of family planning client</li> <li>•Identify and interpret laboratory investigation for client in need of family planning</li> <li>•Recognize medical eligibility criteria of each family planning method</li> <li>•Recognize family planning related cultural and religious contexts and misconceptions in the community</li> <li>•Recognize family planning counseling using REDI approach</li> <li>•Demonstrate caring, respectful approach while counseling clients</li> <li>•Ensure informed voluntary decision making to choose contraceptives</li> <li>•Identify short acting family planning methods</li> <li>•Identify steps of insertion and removal of implants</li> <li>•Understand insertion and removal of IUCD</li> <li>•Recognize permanent family planning methods</li> <li>•Recognize history, taking and physical examination and laboratory investigations to identify the complication</li> <li>•Recognize management options for contraceptive related side effect and complications</li> <li>•Identify contraceptive related side effect and complications</li> </ul> | 1                 | - | 0.6 | - | - | - | - | 3.6 | 1.3       |

| Theme<br>s | Name of<br>courses    | Ch<br>r. | Em<br>ph<br>asi<br>s<br>% | General<br>Objective         | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Learning outcomes |   |   |          |   |   |          |      | No. items |
|------------|-----------------------|----------|---------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|----------|---|---|----------|------|-----------|
|            |                       |          |                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |   |   |          |   |   |          |      |           |
|            | Ante<br>Natal<br>Care | 10       | 16<br>3%                  | Provide<br>Antenatal<br>care | <ul style="list-style-type: none"> <li>•Recognize compressive obstetrics history from pregnant mothers</li> <li>•Identify physical examination on a pregnant mother</li> <li>•Identify and interpret relevant investigations for pregnant mothers</li> <li>•Diagnose pregnancy</li> <li>•Understand managements of minor disorders of pregnancy</li> <li>•Recognize management of major pregnancy related disorders and referral</li> <li>•Identify management of major medical disorders during pregnancy</li> <li>•Describe preventive and promotion measures</li> <li>•Differentiate PMTCT service</li> <li>•Develop a birth preparedness and emergency readiness plan</li> <li>•Assess pregnant mothers' response to treatment</li> <li>•Adjust midwifery care based on the outcome of the intervention</li> </ul> | 2                 | 1 | 1 | 0.5<br>3 | - | - | 8.5<br>3 | 3.24 |           |

| Theme<br>s | Name of<br>courses       | Ch<br>r. | Em<br>ph<br>asi<br>s % | General<br>Objective                         | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Learning outcomes |   |   |     |   |   |     |     |  |
|------------|--------------------------|----------|------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|-----|---|---|-----|-----|--|
|            | Labor<br>and<br>Delivery | 11       | 11%<br>9%              | Provide<br>care during<br>labor and<br>birth | <ul style="list-style-type: none"> <li>•Identify comprehensive history from laboring mother</li> <li>•Recognize pertinent physical examination of laboring mother</li> <li>•Identify and interpret relevant investigation for laboring mother</li> <li>•Describe compassionate, respectful care during labor and delivery</li> <li>•Recognize universal precautions on processing and storage of used instruments for the laboring mother</li> <li>•Identify management of labor pain</li> <li>•Monitor progress of labor, Maternal and fetal condition using partograph</li> <li>•Identify management of second stage of labor</li> <li>•Recognize episiotomy procedures as indicated</li> <li>•Identify immediate/ essential newborn care</li> <li>•Recognize management of third stage of labor</li> <li>•Describe instrumental delivery</li> <li>•Identify managements of instrumental delivery complications</li> <li>•Assess different obstetric emergencies during labor and delivery</li> <li>•Diagnose different obstetric emergencies during labor and delivery</li> <li>•Identify care for obstetrics emergencies cases during labor and delivery</li> <li>•Monitor maternal and fetal condition</li> </ul> | 3                 | 2 | - | 0.4 | 4 | - | 9.2 | 1.5 |  |

| Theme<br>s | Name of<br>courses    | Ch<br>r. | Em<br>ph<br>asi<br>s<br>% | General<br>Objective          | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Learning outcomes |   |   |   |          |   |          |      | No. items |
|------------|-----------------------|----------|---------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|---|----------|---|----------|------|-----------|
|            |                       |          |                           |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                 | 1 | - | - | 0.2<br>7 | - | 4.2<br>7 | 1.56 |           |
|            | Post<br>Natal<br>Care | 5        |                           | Provide<br>postpartum<br>care | <ul style="list-style-type: none"> <li>• Explain a respectful and culturally sensitive approach during postnatal assessment</li> <li>• Review and analyze maternal and newborn history</li> <li>• Identify pertinent physical examination for postnatal mother and her newborn</li> <li>• Recognize investigation and interpret as necessary</li> <li>• Recognize maternal and neonatal danger signs during postpartum period</li> <li>• Differentiate preventive measures in the postnatal period</li> <li>• Diagnose and treat complications of postnatal mother and newborn</li> <li>• Monitor maternal and her newborn during postnatal period</li> <li>• Identify counseling about maternal and newborn care during postnatal period</li> <li>• Recognize immediate postpartum family planning</li> <li>• Assess postnatal care and adjust midwifery care plan as necessary</li> </ul> |                   |   |   |   |          |   |          |      |           |

| Theme<br>s | Name of<br>courses          | Ch<br>r. | Em<br>ph<br>asi<br>s<br>% | General<br>Objective                               | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Learning outcomes |     |   |   |          |   |          |      | No. items |
|------------|-----------------------------|----------|---------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|---|---|----------|---|----------|------|-----------|
|            | Gynecology                  | 5        | 8.1<br>%                  | Provide care for clients with Gynecologic problems | <ul style="list-style-type: none"> <li>•Identify compressive gynecologic history from gynecologic patient</li> <li>•Comprehend physical examination on mothers with common gynecological problems</li> <li>•Identify and interpret relevant investigations for mothers with gynecological problems</li> <li>•Formulate differential diagnose for common gynecological problems</li> <li>•Identify management of bleeding in early pregnancy</li> <li>•Identify assessment and management female genital mutilation complications</li> <li>•Recognize perioperative midwifery care for surgical gynecologic clients</li> <li>•Identify management of sexual transmission infections</li> <li>•Identify management of menopause and postmenopausal problems</li> <li>•Assess gynecologic mothers' response to treatment</li> <li>•Adjust midwifery care based on the outcome of the intervention</li> </ul> | 3                 | 2   | - | - | 0.2<br>7 | - | 2.2<br>7 | 0.56 |           |
|            | Pediatrics and Child Health | 4        | 6.5<br>%                  | Provide child health care                          | <ul style="list-style-type: none"> <li>•Identify components of history for under-5 children</li> <li>•Recognize steps of physical examination for under-5 children</li> <li>•Identify and interpret relevant laboratory investigation for under-5 children</li> <li>•Identify diagnosis and management of</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                 | 0.6 | - | - | -        | - | 4.6      | 0.3  |           |

| Theme<br>s | Name of<br>courses | Ch<br>r. | Em<br>ph<br>asi<br>s % | General<br>Objective | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                | Learning outcomes |  |  |  |  |  |  |  | No. items |
|------------|--------------------|----------|------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|--|--|--|--|--|--|-----------|
|            |                    |          |                        |                      | childhood illness using IMNCI guideline<br>•Recognize anthropometric measurement and formula feeding of under five children<br>•Identify management of malnutrition<br>•Recognize immunization (EPI) for U-5 children<br>•Identify counseling on preventive and supportive care for children and family<br>•Assess under five children's response to treatment<br>•Adjust midwifery care based on the outcome of the intervention |                   |  |  |  |  |  |  |  |           |
|            |                    |          |                        |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |  |  |  |  |  |  |  |           |

| Theme s | Name of courses         | Ch r. | Em ph asi s % | General Objective           | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Learning outcomes |     |    |   |   |   |      |      | No. items |
|---------|-------------------------|-------|---------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|----|---|---|---|------|------|-----------|
|         | Neonatology             | 4     | 6.5 %         | Provide newborn health care | <ul style="list-style-type: none"> <li>•Identify components of history for New born</li> <li>•Recognize steps of physical examination for Newborn</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                 | 2   | -  | - | - | - | 2.6  | 0.8  |           |
|         |                         |       |               |                             | <ul style="list-style-type: none"> <li>•Identify and interpret relevant laboratory investigation for Newborn</li> <li>•Recognize emergency care for high risk neonate and transfer/ refer</li> <li>•Identify steps of neonatal resuscitation</li> <li>•Differentiate attachment and positioning for breast-feeding and milk expression</li> <li>•Describe immunization for neonate</li> <li>•Diagnose and identify management of common neonatal health problems</li> <li>•Assess newborns response to treatment</li> <li>•Adjust midwifery care based on the outcome of the intervention</li> </ul> |                   |     |    |   |   |   |      |      |           |
|         | Fundamentals of Nursing | 3     | 4.9 %         | Provide Basic client care   | <ul style="list-style-type: none"> <li>•Identify vital sign and diagnostic test procedures</li> <li>•Differentiate infection prevention practice on patient care</li> <li>•Recognize documentation, admitting and discharging patient</li> <li>•Identify urinary and bowel elimination steps</li> <li>•Recognize midwifery care process</li> </ul>                                                                                                                                                                                                                                                   | 1                 | 1.1 | -  | - | - | - | 1.97 | 0.83 |           |
|         | Total                   | 51    | 82.6%         |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |     |    |   |   |   |      |      |           |
| Theme   | Research                | 2     |               | Demonstrat                  | •Identify credible on-line resources for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                 | 1   | 1. | - | - | - | 0.7  | 0.4  |           |

| Theme s                                             | Name of courses           | Ch r. | Em ph asi s % | General Objective                                                                                                    | Specific Objective                                                                                                                                                                                                                                                                                                                                                                                                 | Learning outcomes |   |     |   |   |   |   |   |           |
|-----------------------------------------------------|---------------------------|-------|---------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|-----|---|---|---|---|---|-----------|
| 2<br>Research and evidence-based practice (Scholar) | methodology               |       | 3.8 %         | e commitment to excellence in midwifery practice through application of evidence to practice and research activities | <ul style="list-style-type: none"> <li>practice</li> <li>• Criticize published resources</li> <li>• Identify criticized literatures/research findings</li> <li>• Audit clinical practice</li> <li>• Identify and prioritize research problems</li> <li>• Explain components of research proposal</li> <li>• Develop research objectives</li> <li>Adhere to the ethical principles of research processes</li> </ul> |                   |   | 1   |   |   |   |   |   |           |
|                                                     | Epidemiology              | 2     | 3.2 %         | Engage in research activities                                                                                        | <ul style="list-style-type: none"> <li>• Distinguish the commonly used quantitative research designs</li> <li>• Identify different surveillance methods</li> <li>• Utilize descriptive statistics</li> </ul>                                                                                                                                                                                                       | 1                 | 1 | 1.1 | - | - | - | - | - | No. items |
|                                                     | Biostatistics             | 3     | 4.7 %         | Engage in research activities                                                                                        | <ul style="list-style-type: none"> <li>• Identify different types of sampling methods</li> <li>• Identify different types of data collection methods</li> <li>• Differentiate various analysis models</li> </ul>                                                                                                                                                                                                   | 1                 | 1 | 2.7 | - | - | - | - | - |           |
|                                                     | Total                     | 7     | 11.3 %        |                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |   |     |   |   |   |   |   |           |
| Theme 3<br>Leadership and Management                | Health service management | 1     | 2%            | Demonstrate effective managerial and leadership skills in the provision of quality                                   | <ul style="list-style-type: none"> <li>• Identify management on midwifery practice effectively</li> <li>• Integrate principles of quality improvement into midwifery practice</li> <li>• Maintain a safe working environment through the use of quality assurance and risk management strategies</li> </ul>                                                                                                        | 1                 | 1 | -   | - | - | - | - | - |           |

| Theme<br>s                                                             | Name of<br>courses                       | Ch<br>r. | Em<br>ph<br>asi<br>s % | General<br>Objective                                                                                                                                                               | Specific Objective                                                                                                                                                                                                                                                                                                                | Learning outcomes |   |   |   |   |   |   |   | No. items |
|------------------------------------------------------------------------|------------------------------------------|----------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|---|---|---|---|---|-----------|
|                                                                        |                                          |          |                        | midwifery<br>care                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                   |                   |   |   |   |   |   |   |   |           |
|                                                                        | Total                                    | 1        | 2%                     |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                   |                   |   |   |   |   |   |   |   |           |
| Theme<br>4<br>Health<br>Promot<br>ion and<br>Disease<br>prevent<br>ion | Communi<br>cable<br>disease<br>Control   | 2        | 3%                     | Assess and<br>diagnose/id<br>entify<br>priority<br>problems<br>for health<br>promotion<br>and disease<br>prevention<br>at the<br>individual,<br>group, and<br>community<br>levels. | <ul style="list-style-type: none"> <li>Assess and identify community health problems</li> <li>Identify implementation, monitoring, and evaluation of health promotion and disease prevention interventions</li> </ul>                                                                                                             | 2                 | 1 | - | - | - | - | - | - |           |
| Theme<br>5<br>Profess<br>ionalis<br>m and<br>Ethics                    | Midwifer<br>y<br>professio<br>nal ethics | 1        | 3%                     | Uphold the<br>midwifery<br>practice<br>standard<br>and ethics<br>and be<br>accountable<br>to the<br>public and<br>the<br>profession                                                | <ul style="list-style-type: none"> <li>Recognize how to communicate effectively with patient, patient family and multi-disciplinary health care team.</li> <li>Adhere to ethical and legal principles of midwifery professions</li> <li>Distinguish Compassionate Respectful and Caring behavior in Midwifery practice</li> </ul> | 1                 | - | - | - | - | - | - | 2 |           |
|                                                                        | Total                                    | 1        | 3%                     |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                   |                   |   |   |   |   |   |   |   |           |

**9. Learning outcomes in terms of the three domains (Cognitive, Affective and Psychomotor) (Table-4)**

| S/<br>No. | Themes       | Course Name         | Chr. | Share of<br>Courses<br>(%) | Share of Competencies<br>(in %) |       |          | Remark |
|-----------|--------------|---------------------|------|----------------------------|---------------------------------|-------|----------|--------|
|           |              |                     |      |                            | Knowledge                       | Skill | Attitude |        |
| 1         | Patient Care | Preconception Care  | 2    | 3.2                        | 2.00                            | 0.60  | 0.6      |        |
|           |              | Reproductive health | 3    | 4.9                        | 2.9                             | 0.9   | 1.1      |        |
|           |              | Family planning     | 4    | 6.5                        | 1.60                            | 3.60  | 1.3      |        |
|           |              | Antenatal care      | 10   | 16.3                       | 4.53                            | 8.53  | 3.24     |        |
|           |              | Labor and delivery  | 11   | 17.9                       | 7.20                            | 9.20  | 1.5      |        |
|           |              | Postnatal course    | 5    | 8.1                        | 2.27                            | 4.27  | 1.56     |        |
|           |              | Gynecology          | 5    | 8.1                        | 5.27                            | 2.27  | 0.56     |        |

|                   |                                         |                               |    |      |       |       |       |  |
|-------------------|-----------------------------------------|-------------------------------|----|------|-------|-------|-------|--|
|                   |                                         | Pediatrics and child health   | 4  | 6.5  | 1.60  | 4.60  | 0.3   |  |
|                   |                                         | Neonatology                   | 4  | 6.5  | 3.1   | 2.60  | 0.8   |  |
|                   |                                         | Fundamentals of nursing       | 3  | 4.9  | 2.1   | 1.97  | 0.83  |  |
|                   |                                         | Total                         | 51 | 82.9 | 32.57 | 38.54 | 11.79 |  |
| 2                 | Scholar                                 | Epidemiology                  | 2  | 3.2  | 3.2   | 0     | 0     |  |
|                   |                                         | Biostatistics                 | 3  | 4.7  | 4.7   | 0     | 0     |  |
|                   |                                         | Research methodology          | 2  | 3.2  | 2.1   | 0.7   | 0.4   |  |
|                   |                                         | Total                         | 7  | 11.1 | 10    | 0.7   | 0.4   |  |
| 3                 | Leadership and Management               | Health service management     | 1  | 2    | 2     | 0     | 0     |  |
| 4                 | Health Promotion and Disease prevention | Communicable disease control  | 2  | 3    | 3     | 0     | 0     |  |
| 5                 | Professionalism                         | Midwifery professional ethics | 1  | 3    | 1     | 0     | 2     |  |
| Total (Aggregate) |                                         |                               | 62 | 100  | 48    | 39    | 13    |  |



## **10. Conclusion**

Exit examination can have a vital role in producing knowledgeable, skillful and attitudinally matured graduates. It contributes to prepare competent graduates as it can serve as a quality check for effectiveness. It also helps in improving academic programs validity and reliability. Furthermore, it can create the platform for cooperation among academic programs at different universities to work fields for improving the programs quality.

In view of this, the document is produced to assist the setting of exit exam for midwifery program, which is being delivered by Ministry of Education. To meet the graduation profile, competency and learning outcome, exit exam competency selection and identifying core course was done for 2015 EC graduating students.

In this test blue print of undergraduate midwifery program 16 core courses are identified under five competency or thematic areas with their proportion based on the emphasis or credit hours given within the program curriculum. The test blue print also identified specific learning outcomes with their weight based on expected graduate profile and competencies.