



Faculty of Medicine



Quality Assurance Unit

Course specification
Qena faculty of medicine
South valley university

Code: COM302

Primary health care
Course Specification

Department: public health and
Community Medicine

Third year/2nd semester

Course coordinator : Ahmed Mohammed Mahmoud Hani

Head of the department: Ahmed Mohammed Mahmoud Hani



South valley University
Qena Faculty of Medicine

Department of public health and community medicine



Course specification

Academic year / Level : third year/ 2 nd semester	Name of the course: Primary health care	Code: COM302
2 practical	2 Lectures	third year of M.B.B.Ch. Program

A) Basic information:

1- Programs on which the course is given: M.B.B.Ch. program

2- Department offering the program : all departments

3- Department offering the course: Public health and community medicine

4- Course code: COM302

5- Major or minor elements of program: Major elements

6-Date of specification approval: 3/2010

7-Date of modification approval: 11/2018

B) Professional Information:

1- Course aims:

1-To learn about the health care systems in Egypt and the function of Primary health Care (PHC) is a core domain in the curriculum

2-to provide the students with knowledge essential for general practitioner

3-to produce a competent graduate have the knowledge , skills and positive attitude to provide efficient preventive and curative services for families and community

4- to describe the health problems of community and their underlying factors

5- to collect , analyze , interpret and report information about community health problems through use of epidemiologic , statistical and behavioral science techniques

2- Intended Learning Outcome (ILO) of the course:

A-Knowledge and Understanding:

By the end of this course students are expected to

- A1- Define vital rates including fertility, mortality and morbidity rates.
- A2 – Describe population estimates in the census and inter-census years.
- A3- Describe different profile of population pyramid and their interpretation and explain Egypt's population pyramid.
- A4- Define primary health care(PHC).
- A5- Identify strategies for PHC implementation.
- A6- Identify the indicators of PHC.
- A7-define vaccination and the objectives of immunization.
- A8- Define types of vaccine and contraindications of vaccinations.
- A9- Define expanded program on immunization in Egypt.
- A10-describe the vaccine handling and storage.

B-Intellectual Skills:

- B1 -Analyze the results obtained from history , clinical examination and investigation data into meaningful diagnostic formulation (using case study)
- B2- interpret clinical and investigational data with evidence based knowledge and skills of deductive reasoning for clinical problem solving (using case study)
- B3- calculate and interpret vital rates including fertility, mortality and morbidity rates
- B4- Explain elements of primary health care.

C-Professional and Practical Skills:

- promote physical mental and social health and
- C1-wellbeing of the community.
 - C2 Perform community diagnosis
 - C3-build care provider , decision maker , communicator , community leader and manager

D-General and Transferable Skills:

By the end of the course, students are expected to be able to :

- d1- Use standard computer programs effectively (windows and office programs).
- d2- Manage a group of people in a work environment.
- d3- Work in a group.
- d4- Communicate well with his colleagues, top management and subordinates.
- d5- Establish a good patient-physician relationship.

3- Course contents:

Date	topic	Lectures	Practical
1 st week	primary health care(introduction)	2	4
2 nd week	elements of primary health care	2	4
3 rd week	strategies for PHC implementation	2	4
4 th week	the indicators of PHC	2	4
5 th week	Morbidity rates	2	4
6 th week	Fertility rates	2	4
7 th week	Demography and Population pyramid	2	4
8 th week	Mortality rates	2	4
9 th week	Vaccination (definition and vaccine and objectives of immunization, types of vaccine and contraindications of vaccinations)	2	4
10 th week	expanded program on immunization in Egypt, vaccine handling and storage	2	4
11 th week	Study design (descriptive, cohort)	2	4
12 th week	Study design (cross sectional, case control)	2	4
	Total	24	48

4- Teaching & learning methods:

- 1 Lectures.
- 2 Case studies.
- 3 Discussion sessions.
- 4 Practical sessions.

Teaching methods:

Intended learning outcomes	Teaching methods
ILOS	
Knowledge and understanding	Lectures with aids of illustrative means and images and student feedback.
Intellectual Skills	Problem solving
Practical/Clinical skills	Practical sessions

Facilities required for teaching and learning

1. Adequate conditioned spaces and teaching facilities
2. Audiovisual Aids: Data show, white boards & their requirements
3. Transport for students during the community field visits.

ILO	Teaching/Learning Method	Assessment Method
RECALL OF KNOWLEDGE & UNDERSTANDING	Lectures	WRITTEN: ANSWER SELECTION QUESTIONS MCQ EMCQ ANSWER SUPPLY QUESTIONS Complete Short Essay

		ORAL: STRUCTURED ORAL EXAMINATION
INTELLECTUAL SKILLS	Problem-Oriented Sessions	WRITTEN: MCQ Short essay Problem solving ORAL: STRUCTURED ORAL EXAMINATION Practical Exam
PRACTICAL/ CLINICAL SKILLS	Practical Sessions	Practical / Objective Structured Practical Exam (OSPE) Computer assisted exam Clinical Exam SHORT Objective Structured Clinical Exam (OSCE) with checklist
GENERAL TRANSFERABLE SKILLS	RESEARCHES	PRESENTATIONS

:Student Assessment-5

<p><u>Assessment 1</u> : midterm examination (MCQ and practical) <u>Assessment 2</u> : end round practical examination <u>Assessment 3</u> :final written (MCQ and assay)examination <u>Assessment 4</u> :final oral exam</p>	Student assessment methods
<p><u>Assessment schedule</u> Assessment 1 : midterm examination Assessment 2 : end round practical examination at end</p>	Assessment schedule

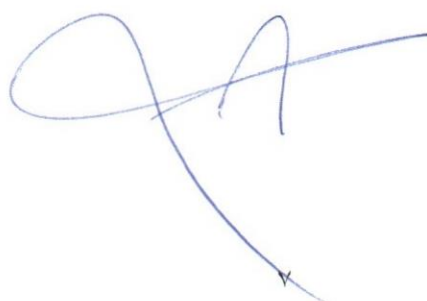
of round assessment 3 : final written examination at end of the term Assessment 4: final oral exam at end of the term Assessment 5: Attendance and absenteeism throughout the year	
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Second term Midterm exam 36 degree 30% Final term written exam 42 degree 35% Final oral exam 12 degree 10% End round practical exam 30 degree 25% Total =120	Weighing of assessments
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: List of Reference	
Department course notes (Lectures and practical)	Course Notes
Maxcy-Rosenau-Last: Public Health & Preventive Medicine, fifteenth edition, 2008	Essential books
Dimensions of Community Health, Boston Burr Ridge Dubuque, short Textbook of preventive and social Medicine. Prentice-Hall International Inc., Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo	Recommended Books
the Egyptian journal of community medicine American Journal of Epidemiology. British Journal of Epidemiology and Community Health, CDC and WHO websites	Periodicals, web sites of neurology.

Course coordinator: Ahmed Mohamed Mahmoud hany.

Head of Department: Ahmed Mohamed Mahmoud hany



Course specification
Qena faculty of medicine
South valley university

Code :com 402

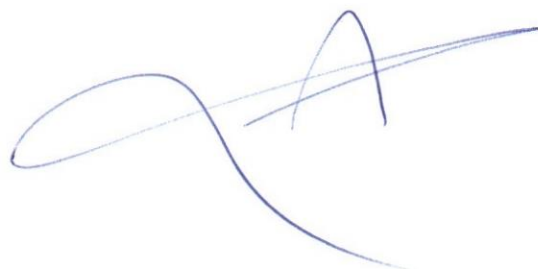
Title: public health and Community Medicine

Department: public health and Community
Medicine

Fourth year/2nd semester

Course coordinator : Ahmed Mohammed Mahmoud Hani

Head of the department: Ahmed Mohammed Mahmoud Hani





South valley University

Qena Faculty of Medicine

Department of public health and community medicine

Academic year / Level : Fourth year/2 nd semester	public health and community	-COM 402
practical 2	Lecture 2	Fourth year of M.B.B.Ch. Program

A) Basic information:

1- Programming Title: public health and community medicine

2-Major or Minor element of programs: Public health and Community Medicine for medical students. The course of public health and community medicine addresses four major domains; each one is essential for preparing a physician to carry out his/her responsibilities in a primary health care setting.

This course introduces the student to the field of epidemiological and quantitative measurement. This area is considered a cornerstone of the medical profession for both clinical and public health work.

3- Department offering the program : public health and community medicine

4- Department responsible for the course:

Public health and community medicine

4- Course code: COM 402

5- Academic year/Level: Fourth year medical students.

6- Date of specification approval: To be determined (TBD).

7- Date of specification approval: 3/2010

8-date of modification approval: 11/2018

B) Professional Information:

1- Course aims:

1-Influence the students to adopt a healthy lifestyle and sound behaviors to become role models for the individuals, families, and the communities they will serve in the future.

2-Prepare a community-oriented physician capable of anticipating and responding to community health needs within the primary health care (PHC) setting according to the policies, regulations, and guidelines of the MOH.

3-Develop a graduate who will apply the knowledge and skills learned, and is able to take leadership in motivating the community served.

2- Course contents:

	Topic	Lecture	Practical
1 st week	Epidemiology of infectious disease and prevention & control of infectious disease	2	4
2 nd week	Droplet infections (acute pulmonary infection – measles-german measles-mumps –varicella)	2	4
3 rd week	Whooping cough ,meningitis ,diphtheria , influenza ,avian flu ,swine flu ,viral hepatitis	2	4
4 th week	TB, food borne disease , diarrheal disease ,typhoid and paratyphoid fever ,infectious food poisoning ,poliomyelitis ,cholera	2	4
5 th week	Blood transmitted diseases (B,C and AIDS)	2	4
6 th week	Zoonotic disease Arthropod borne viral diseases	2	4
7 th week	Contact infection	2	4
8 th week	Contact infection	2	4
9 th week	Hospital acquired infection	2	4
10 th week	Emerging and resurging infection diseases	2	4
11 th week	Non communicable disease (atherosclerosis , Diabetes mellitus)	2	4
12 th week	Cancer	2	4

3- Intended Learning Outcome (ILO) of the course:

A-Knowledge and Understanding: -a

By the end of this course students are expected to

A1- Define concepts of health and describe the Spectrum of health from perfect health to death, quality of life

A2- Describe the spectrum of health

A3- . understand the ecological factors (epidemiologic triad) and determinants (risk factors) that affect health

A4- Understand methods of hospital acquired infections and waste management as an important sequence of infection control.

A5- Name the value and uses of epidemiologic methods including the types of study designs. Explain the usefulness of screening tests and describe the public health surveillance system and its use in the community

A6- to define and describe the health problems of community and their underlying .factors .

Intellectual Skills:

B1 -Analyze the results obtained from history , clinical examination and investigation data into meaningful diagnostic formulation (using case study)

B2- interpret clinical and investigational data with evidence based knowledge and skills of deductive reasoning for clinical problem solving (using case study)

B3- Determine public health surveillance and screening to address specific public health problems and issues.

B4- Acquire systemic thinking in disease analysis and causal relationship as well in planning of health programs

Professional and Practical Skills:

C1-promote physical mental and social health and wellbeing of the community

C2- know how to prevent disease , prolonging life and promoting physical health and efficacy

C3-become care provider , decision maker , communicator , community leader and manager.

C4- Participate actively as member of a multidisciplinary group in health promotion, disease prevention and national health care programs applying MOHP standards and protocols for different settings and age groups.

C5- Participate actively in epidemiological studies to identify and prioritize health problems of the community. Collect data, analyze, interpret, and apply relevant statistical tests, to make a report.

C6- Investigate appropriate infection control practices.

General and Transferable Skills:

By the end of the course, students are expected to be able to :

d1- Acquire data, retrieve information and able to use computers and information technologies

d2- Manage a group of people in a work environment.

d3- Interact and communicate effectively, and professionally with persons or patients from diverse cultural, socioeconomic, educational, and professional backgrounds, and with persons of all ages and lifestyle preferences.

d4- Communicate well with his colleagues, top management and subordinates.

d5- Establish a good patient-physician relationship

d6- Behave ethically in making research.

4- Teaching & learning methods:

1 Lectures.

2 Case studies.

3 Discussion sessions.

4 Information collection from different sources.

Teaching methods:

Intended learning outcomes	Teaching methods
ILOS	
Knowledge and understanding	Lectures with aids of illustrative means and images and multiple video and student feedback.
Intellectual Skills	Problem solving
Practical/Clinical skills	Practical sessions
General transferrable skills	Research projects

Student Assessment-5:

<u>Assessment 1</u> : midterm examination (MCQ and practical) <u>Assessment 2</u> : end round practical examination <u>Assessment 3</u> :final written (MCQ and assay)examination <u>Assessment 4</u> :final oral exam	
<u>Assessment schedule</u> Assessment 1 : midterm examination Assessment 2 : end round practical examination at end of round assessment 3 : final written examination at end of the term Assessment 4: final oral exam at end of the term	

Second term	
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Midterm exam	36 degree	
Final term written exam	42 degree	
Final oral exam	12 degree	
End round practical exam	30 degree	
Total =120		

The grade	Excellent	Very Good	Good	Pass	Fail	Grading System
% of the total marks	≥ 85	75<85	70<75	60<70	<60	

6: List of Reference

Department course notes (Lectures and practical)	Course Notes
Department notes	Essential books
MAXCY - ROSENAU PUBLIC HEALTH AND PREVENTIVE MEDICINE TWELFITH EDITION, JOHN M. LAST, (EDITOR) APPLETON- CENTURY- .CROFTS/NORWALK, CONNECTICUT USA	Recommended Books
Periodicals and web sites : the Egyptian journal of community medicine	Periodicals, web sites of neurology.

- Requirements:

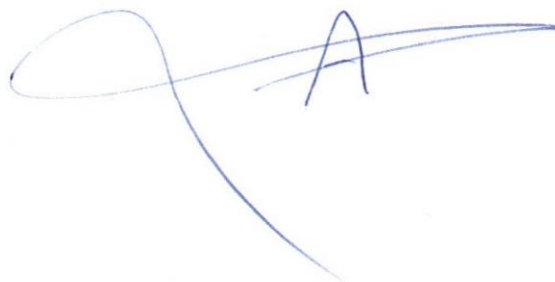
- computer lab for teaching biostatistics
- facilitation for field visit in the community

Facilities Required for Teaching and Learning:

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, slide Projector, computer and data show

Course coordinator : Ahmed Mohammed Mahmoud Hani

Head of the department: Ahmed Mohammed Mahmoud Hani

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**Course specification
Qena faculty of medicine
South valley university**

code:com401:

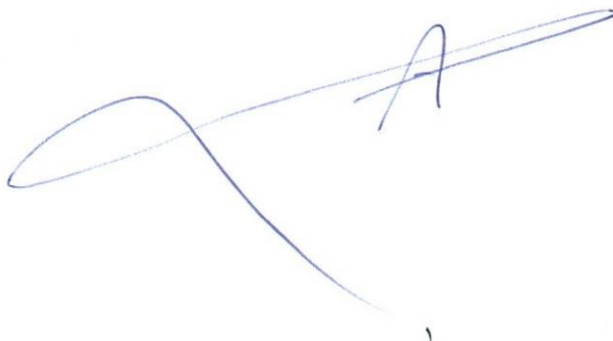
Title: public health and Community Medicine

**Department: public health and
Community Medicine**

Fourth year/1st semester

Course coordinator : Ahmed Mohammed Mahmoud Hani

Head of the department: Ahmed Mohammed Mahmoud Hani





South valley University
Qena Faculty of Medicine
Department of public health and community medicine

. Academic year Level : Fourth year/1 st semester		public health and community	Code: COM 401-
2	practical	2	lecture : Fourth year of M.B.B.Ch. Program

A) Basic information:

- 1- Programming Title: Public health and community medicine
- 2- Major or Minor element of programs: - Major elements.

Public health and Community Medicine for medical students. The course of public health and community medicine addresses four major domains; each one is essential for preparing a physician to carry out his/her responsibilities in a primary health care setting.

This course introduces the student to the field of epidemiological and quantitative measurement. This area is considered a cornerstone of the medical profession for both clinical and public health work.

3- Department offering the program : public health and community medicine

4- Department responsible for the course: Public health and community medicine

5- Course code: COM 401

6- Academic year/Level: Fourth year medical students.

7-Date of specification approval: 3/2010

8- date of modification approval: 11/2018

B) Professional Information:

1- Course aims:

By the end of this course students are expected to

1 – Define health and disease

2 – Describe the spectrum of health

3- to define and describe the health problems of community and their underlying factors

4- to collect , analyze , interpret and report information about community health problems through use of epidemiologic , statistical and behavioral science techniques

5- to acquired knowledge and skills in health care management including planning , organization , team development implementation ,and monitoring & evaluation techniques

6- to practice under supervision the implementation

2- Course contents:

Date	topic	Lectures	Practical
1 st week	Nutrition(introduction and definitions)	2	2
2 nd week	Major dietary constitutes and energy needs	2	2
3 rd week	Vitamins and Essential elements	2	2
4 th week	Water ,antioxidants and nutrition needs of the vulnerable group	2	2
5 th week	Malnutrition Nutrition deficiency diseases	2	2
6 th week	Obesity and obesity health consequence and obesity management	2	2
7 th week	Nutrition assessment	2	2
8 th week	Environmental sanitation Air pollution	2	2
9 th week	Rural health and rural health problems	2	2
10 th week	Occupational disease and physical hazard	2	2
11 th week	Radiation and noise	2	2
12 th week	Dusts of plant origin and ergonomics	2	2

3- Intended Learning Outcome (ILO) of the course:

a- Knowledge and Understanding:

By the end of this course students are expected to

- a1 – Define health and disease
- a2 – Describe the spectrum of health
- a3- to define and describe the health problems of community and their underlying factors .
- a4- to acquired knowledge and skills in health care management including planning , organization , team development implementation ,and monitoring & evaluation techniques
- a5- to acquire favorable attitude , ethics and necessary communication skills to work with , and for the community and in health team

b- Intellectual Skills:

- b1 -Analyze the results obtained from history , clinical examination and investigation data into meaningful diagnostic formulation (using case study)
- b2- interpret clinical and investigational data with evidence based knowledge and skills of deductive reasoning for clinical problem solving (using case study)
- b3- to collect , analyze , interpret and report information about community health problems through use of epidemiologic , statistical and behavioral science techniques

c- Professional and Practical Skills:

- c1-promote physical mental and social health and wellbeing of the community
- c2- Identify how to prevent disease , prolonging life and promoting physical health and efficacy
- c3-Support become care provider , decision maker , communicator , community leader and manager
- c4-to practice under supervision the implementation of disease prevention , early detection and management at individual and community level
- c5- Develop a diet plan using dietary guides and food exchange lists, describe diets for normal individuals throughout the life cycle, especially the vulnerable groups and prescribe diet plans for selected disease conditions (therapeutic diets).
- C6- Deal with different groups of the workforce to provide them with a safe and healthy work environment. Also to plan services for the promotion of their health.
- C7- Monitoring of quality of drinking water (according to protocol).

d- General and Transferable Skills:

By the end of the course, students are expected to be able to :

- d1- Use standard computer programs effectively (windows and office programs).
- d2- Manage a group of people in a work environment.

d3- Work in a group.

d4- Communicate well with his colleagues, top management and subordinates.

d5- Establish a good patient-physician relationship.

4- Teaching & learning methods:

1 Lectures.

2 Case studies.

3 Discussion sessions.

4 Information collection from different sources.

Teaching methods:

Intended learning outcomes ILOS	Teaching methods
Knowledge and understanding	Lectures with aids of illustrative means and images and multiple video and student feedback.
Intellectual Skills	Problem solving
Practical/Clinical skills	Practical sessions
General transferrable skills	Research projects

:Student Assessment-5

<p><u>Assessment 1</u> : midterm examination (MCQ and practical)</p> <p><u>Assessment 2</u> : end round practical examination</p> <p><u>Assessment 3</u> :final written (MCQ and essay)examination</p>	
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Assessment 4 :final oral exam	
Assessment schedule Assessment 1 : midterm examination Assessment 2 : end round practical examination at end of round assessment 3 : final written examination at end of the term Assessment 4: final oral exam at end of the term	

First term	
Midterm exam	27 degrees
Final term written exam	32 degrees
Final oral exam	9 degree
End round practical exam	22 degree
Total =90	

The grade	Excellent	Very Good	Good	Pass	Fail	Grading System
% of the total marks	≥ 85	75<85	70<75	60<70	<60	

: List of Reference

Department course notes (Lectures and practical)	Course Notes
Department notes	Essential books
Maxy-rosenau public health and preventive medicine , prentice-hall international inc	Recommended Books
- Periodicals and web sites : the Egyptian journal of community medicine	Periodicals, web sites of neurology.

- Requirements:

- computer lab for teaching biostatistics
- facilitation for field visit in the community

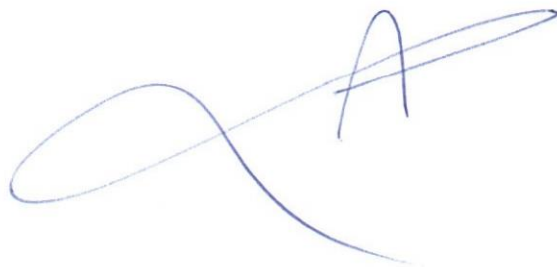
Facilities Required for Teaching and Learning:

- Adequate infrastructure including teaching rooms, comfortable desks.

- Teaching tools including screen, slide Projector, computer and data show

Course coordinator : Ahmed Mohammed Mahmoud Hani

Head of the department: Ahmed Mohammed Mahmoud Hani

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Primary health care ILOS versus Program ILOS versus NARS matrix

	Program's ILOs	NARS
١- primary health care(introduction)	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and organization of national health care system</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>
٢- elements of primary health care	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>

	organization of national health care system.	
१- strategies for PHC implementation	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and organization of national health care system.</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>
१- the indicators of PHC	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and organization of national health care system.</p> <p>e. Communicable disease control and health promotion.</p> <p>f. Population-based approaches to health care services and their role in improving medical practice.</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>

<p>o- Morbidity rates</p>	<p>A.15- Mention principles of population health & health system including</p> <p>a. Determinant of health, principles of disease prevention and early detection of common community health problems.</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>
<p>6-Fertility rates</p>	<p>A.15- Mention principles of population health & health system including</p> <p>a. Determinant of health, principles of disease prevention and early detection of common community health problems.</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>
<p>Y- Demography and Population pyramid</p>	<p>A.16- Define a population, its demography, cultural and socioeconomic constitution, circumstances of living, and health status; and understand how to gather health information about this population in order to better serve its needs.</p>	<p>2.5. Population Health and Health Systems:</p> <p>c. Epidemiological principles of demography and biological variability.</p>

	A17- Define principles of disease surveillance and screening, communicable disease control, health promotion, and health needs assessment.	
^ -Mortality rates	A.15- Mention principles of population health & health system including a. Determinant of health, principles of disease prevention and early detection of common community health problems.	2.5. Population Health and Health Systems: a. The determinants of health, principles of disease prevention and early detection of common community health problems.
9- Vaccination (definition and vaccine and objectives of immunization, types of vaccine and contraindications of vaccinations)	A.15- Mention principles of population health & health system including Determinant of health, principles of disease prevention and early detection of common community health problems. B. Communicable disease control and health promotion. C. Population-based approaches to health care services and their role in	2.5. Population Health and Health Systems: a. The determinants of health, principles of disease prevention and early detection of common community health problems.

	improving medical practice.	
10- expanded program on immunization in Egypt, vaccine handling and storage	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and organization of national health care system.</p> <p>C. Communicable disease control and health promotion.</p> <p>D. Population-based approaches to health care services and their role in improving medical practice.</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>
11- Study design (descriptive, cohort)	<p>A.15- Mention principles of population health & health system including</p> <p>Determinant of health, principles of disease prevention and early detection of common community health problems.</p> <p>B-Principles and organization of national health care system.</p> <p>C. Communicable disease</p>	<p>2.5. Population Health and Health Systems:</p> <p>a. The determinants of health, principles of disease prevention and early detection of common community health problems.</p>

	control and health promotion. D. Population-based approaches to health care services and their role in improving medical practice.	
12- Study design (cross sectional, case control)	A.15- Mention principles of population health & health system including Determinant of health, principles of disease prevention and early detection of common community health problems. B-Principles and organization of national health care system. C. Communicable disease control and health promotion. D. Population-based approaches to health care services and their role in improving medical practice.	2.5. Population Health and Health Systems: a. The determinants of health, principles of disease prevention and early detection of common community health problems.

