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EXAMINATION SYNOPSIS

Date: 10.01.2012

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EXAMINATION SYNOPSIS

FOR STATE EXAMINATION IN ACADEMIC YEAR 2020/2021

IN


**HYGIENE, EPIDEMIOLOGY, INFECTIOUS
DISEASES, AND SOCIAL MEDICINE**

SECTION. SOCIAL MEDICINE


WITH STUDENTS AT MU - PLEVEN

SPECIALTY: MEDICINE

„MEDICINE“

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1. Social medicine as a science. Subject matter. Descriptive and prescriptive parts of social medicine. Methods of social medicine.
2. Concepts of health and disease. Dimensions of health. Positive health. Determinants of health.
3. Sociological approaches to investigation in social medicine - sources and methods of collecting personal data. Questionnaire design - questions and questionnaire formats. Self-administered questionnaire.
4. Sociological approaches to investigation in social medicine - interview: types, methods of conducting, interview process. Observation: types, advantages and disadvantages, observer roles.
5. Epidemiology - definition and scope of epidemiology. Basic concepts - risk, risk factors, population at risk, rate, ratio, proportion. Measuring disease frequency - prevalence, incidence rate, cumulative incidence.
6. Comparing disease occurrence. Absolute comparison - risk difference, attributable fraction, population attributable risk. Relative comparison - relative risk, odds ratio.
7. Types of epidemiological studies - classification. Descriptive studies. Ecological studies. Cross-sectional studies.
8. Analytical epidemiology. Cohort studies and case control studies - types, design, conducting, advantages and disadvantages, potential errors.
9. Experimental epidemiology - randomized control trials, field trials, community trials: design, conducting, applications.
10. Prevention - scope and levels of prevention. Primordial prevention. Primary prevention - population and high risk strategy of primary prevention.
11. Secondary prevention - screening. Criteria for screening. Evaluation of screening tests.
12. Demographic approaches to health assessment. Population size and composition by sex and residence. Population age structure - types, dependency ratios, medical and social consequences of population aging.
13. Birth and fertility related indicators – definitions, evaluation scales, worldwide trends.
14. Mortality related indicators - definitions, evaluation scales, worldwide trends. Leading causes of death in developed and developing countries.
15. Infant mortality rates and Under 5 mortality rate - definitions, evaluation scales.
16. Worldwide trends and leading causes of infant mortality in developed and developing countries.

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17. Life expectancy - definitions, evaluation scales, worldwide trends.
18. Morbidity related indicators as measures of public health – definitions, sources and methods of studying morbidity. International classification of diseases - 0th revision.
19. Measuring the burden of diseases - DALYs. Communicable and noncommunicable diseases - worldwide trends. Major determinants of noncommunicable diseases - life style risk factors, environmental risks, biological and genetic factors, health care services factors.
20. Health system as a social system. Typology of health systems in developed countries. y. Priorities of health policy in developed countries.
21. International health collaboration. World Health Organization. Other UN agencies.
22. WHO strategies "Health for all in the 21st century".
23. WHO concept of primary health care - elements and principles.
24. Hospital care - definition, basic characteristics, functions. Indicators of hospital activity.
25. Health problems of mothers. Maternal mortality - definition, incidence, causes, preventive and social measures. Family planning.
26. Health care of mothers - antenatal, intranatal, postnatal care. Risk approach.
27. Health problems and health care of children.
28. Health problems and health services for the elderly.
29. Health promotion - definition, development of the concept and practice of health promotion, basic principles. Ottawa charter for health promotion.
30. Health education - definition, objectives, content, principles. Communication in health education. Practice of health education.

REFERENCE MATERIALS:

I. Main reference materials:

1. Textbook: **Public health - basic course**. Autor: Silviya Aleksandrova-Yankulovska. Publishing center of Medical University of Pleven, 2017.
2. Lectures 2017.

II. Additional reference materials:

1. Bonita R, Beaglehole R, Kjellstrom T. Basic Epidemiology, 2nd edition. World Health Organization, 2006.

Free download available in Internet at:

http://www.google.bg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB4QFjAA&url=http%3A%2F%2Fwhqlibdoc.who.int%2Fpublications%2F2006%2F9241547073_eng



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2. *The Organisation for Economic Co-operation and Development (OECD) Factbook 2014. Health (pp. 236-254).*

Free download available in Internet at:

<http://www.oecd-ilibrary.org/signinredirect?fmt=ahah&docserverurl=http%3A%2F%2Fwww.oecdilibrary.org%2Fdocserver%2Fdownload%2F3013081e.pdf%3Fexpires%3D1414320028%26id%3Did%26accname%3Dguest%26checksum%3D7FC07E8BCE04E044361E808411FB3F9E>

3. WHO. European Health for All database.

Free access available in Internet at: <http://data.euro.who.int/hfad/>

4. WHO. Health 21 – Health for all in the 21st century. An introduction.

Free download available in Internet at:

http://www.google.bg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CCEQfjAA&url=http%3A%2F%2Fwww.euro.who.int%2F_data%2Fassets%2Fpdf_file%2F0004%2F109759%2FEHFA5-E.pdf&ei=O9BMVOMOCaSE7gbsyYBY&usg=AFQjCNHPP9CLF9f_VIyNjHR_X_FHDcPHI&sig2=vIRdgefNl6x5eCqsS8ZXfw&bvm=bv.77880786,d.bGQ

5. WHO. Global burden of disease. Definitions and statistics by regions and countries.

Free access available in Internet at: http://www.who.int/topics/global_burden_of_disease/en/

6. WHO. Women's health. Facts sheets, links to relevant publications.

Free access available in Internet at:

http://www.who.int/topics/womens_health/en/

7. WHO. Maternal, newborn, child and adolescent health.

Free access available in Internet at:

http://www.who.int/maternal_child_adolescent/en/

8. Declaration of Alma Ata. International Conference on Primary Health Care, 6-12 September 1978.


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http://www.google.bg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB4QfjAA&url=http%3A%2F%2Fwww.who.int%2Fpublications%2Falmaata_declaration_en.pdf&ei=HtFMVITdJc-M7Abho4GACg&usg=AFQjCNFfHojVtggpww73WmyIYsVvaaR4fg&sig2=8LccDbNi7_0jHeQ6dLcWdw&bvm=bv.77880786,d.bGQ

9. Bohm K, Schmid A, Gotze R et al. TranState Working Papers. Classifying OECD Healthcare systems: A Deductive Approach. Bremen, 2012

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http://www.google.bg/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&sqi=2&ved=0CC4QfjAB&url=http%3A%2F%2Fwww.zes.uni-bremen.de%2Flib%2Fdownload.php%3Ffile%3D4912881dfe.pdf%26filename%3DAP_165_2012.pdf&ei=0dJMVOSACOGxygOlr4GABw&usg=AFQjCNGRHv-

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