

**MINISTRY OF PUBLIC HEALTH OF UKRAINE
VINNYTSIA NATIONAL PIROGOV MEMORIAL MEDICAL
UNIVERSITY
DEPARTMENT OF GENERAL HYGIENE AND ECOLOGY**

**SELF-STUDY MATERIALS FOR INDEPENDENT WORK
OF STUDENTS OF THE FACULTY OF MEDICINE ON
HYGIENE AND ECOLOGY
(Part 2)**

**for students of medical faculty
field of knowledge – I Healthcare
specialties – I2 Medicine**

The student _____

The group _____

The faculty _____

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Authors: Serheta I.V., Bratkova O.Y., Vakolyuk L.M., Shevchuk T.V., Redchits M.A., Dudarenko O.B., Stoyan N.V., Drezhenkova I.L., Dyakova O.V., Tekliuk R.V., Protsyuk L.O., Goncharuk T.I., Tisevich T.V., Vergeles T.M.

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TOPIC #14: PSYCHOPHYSIOLOGICAL CHARACTERISTICS OF CHILDREN AND ADOLESCENTS' ASSESSMENT METHODS. ASSESSMENT OF THE FUNCTIONAL READINESS OF CHILDREN FOR EDUCATION AT SCHOOL.

THE AIM:

1. To get acquainted with the main age and sex peculiarities, anatomico-physiological and psychophysiological characteristics of children; medical, physiological and psychological criteria of development evaluation.
2. To learn the methods of estimation of the functional readiness of children for education at school.

THEORETIC QUESTIONS:

1. Methods of evaluation of psychophysiological characteristics of children and adolescents.
2. The main age and sex peculiarities, anatomico-physiological and psychophysiological characteristics of children.
3. Medical, physiological and psychological criteria of development evaluation.
4. The notion of school maturity (readiness for school). Hygienic basics of functional readiness of children for education at school. Methods of estimation of functional readiness of children for education at school.
5. Factors that shape a child's health.
6. Health disorders and diseases, which may be caused by the negative factors of the educational process.

OBJECTIVES:

1. Learn medical, physiological and psychological criteria of development evaluation of children who are admitted to school.
2. Carry out a hygienic assessment of functional readiness of children for education at school.

LITERATURE:

1. Hygiene and ecology: Textbook for students of higher medical institutions / Ed. by V.G. Bardov. – Vinnytsya: Nova Knyha, 2009. – Topic: 40, PP. 433 - 448.
2. Hygiene and Ecology: Textbook / Korobchanskiy V. et al. – Kharkiv, 2006. – Chapter 25, PP. 138-142.
3. Даценко І.І. Профілактична медицина : загальна гігієна з основами екології / І.І. Даценко, Р.Д. Габович. – К.: Здоров'я, 2004. – С. 525-531.
4. Department's lectures.

TASKS FOR INDEPENDENT WORK

(extracurricular work)

During the practical lesson, the student must prepare answers to theoretical questions, provide answers to test control questions, and give definitions to the following concepts:

1. The main periods of mental development of children and adolescents:

1.

2.

3.

4.

2. School maturity – it's _____

3. Indicators of school maturity:

Biological:	Social	Medical:

4. What tests are used to assess the functional readiness of children for education at school?

1.

2.

5. What is the Kern-Erasek test:

6. Methods of assessment of in-depth psychophysiological examination of higher nervous activity in a child:

- 1.
- 2.
- 3.
- 4.

MULTIPLE CHOICE QUESTIONS:

1. Specify the method of express-specialization of functional readiness ditini before entering the school:

- A. Assessment of the level of claims and preferences, assessment of emotional state, assessment of the degree of learning-induced burnout
- B. Assessment of mental performance, assessment of physical performance, assessment of physical fitness
- C. Assessment of the level of motor activity, orthostatic test, Martine test
- D. Carrying out the Kern-Eracek test, assessment of the quality and purity of sound, assessment of coordination of movements
- E. Assessment of motivational orientation, assessment of neuropsychological condition, assessment of characterological properties

2. Indicate what can be assessed using the Kern-Eracek test:

- A. The most problematic moments of the processes of formation of auditory-motor coordination
- B. Development of arbitrary regulation of activities
- C. Intellectual abilities of the child
- D. Dynamics of neuropsychological development
- E. The degree of formation of visual-motor coordination

3. Name the number of tasks that make up the Kern-Eracek test:

- A. Three tasks
- B. Four tasks
- C. . One task
- D. Two tasks
- E. Five tasks

4. The high level of readiness for school in the case of using the Kern-Iracek test is evidenced by the generalized result, which is:

- A. 40-60%
- B. 6-10 балів
- C. Over 11 points
- D. To5 points
- E. 25-75%

5. The average level of readiness for school in the case of using the Kern-Erasek test is evidenced by the generalized result, which is:

- A. 25-75% C. Over 11 poits
B. To 5 points D. 40-60% E. 6-10 poits.

6. The low level of readiness for school in the case of using the Kern-Erasek test is evidenced by the generalized result, which is:

- A. 6-10 points C. До 5 points
B. Понад 11 points D. 40-60% E. 25-75%

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21027, а/с 8825, м. Вінниця, вул. Келецька, 51а.
Тел.: (0432) 603-000, (096) 97-30-934, (093) 89-13-852.
e-mail: info@tvoru.com.ua
[http:// www.tvoru.com.ua](http://www.tvoru.com.ua)