Examination station

of the Objective Structured Practical (Clinical) Examination (OSP(C)E)

"HYGIENE, ORGANIZATION OF HEALTH CARE"

ALGORITHM OF PERFORMANCE

on the discipline

"ORGANIZATION OF HEALTH CARE"

The algorithm of performance of a practical skill
"ANALYSIS OF INFECTIOUS MORBIDITY" №1

No	Elements of performance
1.	The student names the kind of morbidity recorded according to the data of the task
2.	The student specified who fills in the form 058/o and within what period should it be submitted to the Center for disease control and prevention of the Ministry of Health when an infectious disease is detected
3.	The student answers the question regarding mandatory preventive vaccinations against Infectious Disease carried out in Ukraine according to Article 12 of the Law of Ukraine "On Protection of the Population from Infectious Diseases"
4.	The student names the accounting document, which must be completed when a case of Diphtheria is detected
5.	The student determines the whole phenomenon (number value) while calculating the indicator of seasonality of the infectious morbidity in the given task
6.	The student names the type of graphic image, which represents the seasonal morbidity most accurately
7.	The student names three main actions against persons who are carriers of infectious diseases dangerous to the population according to Article 30 of the Law of Ukraine "Fundamentals of the legislation of Ukraine on medical care"
8.	The student formulates the answer in two sentences regarding the evaluation of the result of the calculation of the correlation coefficient and its reliability
9.	The student calculates and interprets the indicator of seasonality
10.	The student calculates and interprets the index of specific weight of treated patients with the diagnosis of the given infectious disease in the inpatient department

The algorithm of performance of a practical skill
"ANALYSIS OF INFECTIOUS MORBIDITY" №2

No	Elements of performance
1.	The student names the kind of morbidity recorded according to the data of the task
2.	The student names the accounting document, which must be completed when a case of salmonellosis is detected
3.	The student names three main actions against persons who are carriers of infectious diseases dangerous to the population according to Article 30 of the Law of Ukraine "Fundamentals of the legislation of Ukraine on medical care"
4.	The student gives an answer the question regarding treatment and providing information do the individuals suffering from infectious diseases or carriers of bacteria have, according to Article 19 "Rights of persons suffering from infectious diseases or carriers of bacteria" of the Law of Ukraine "On the Protection of the Population from Infectious Diseases"
5.	The student answers the question regarding mandatory preventive vaccinations against Infectious Disease carried out in Ukraine according to Article 12 of the Law of Ukraine "On Protection of the Population from Infectious Diseases"
6.	The student names the type of graphic image, which represents the morbidity structure most accurately
7.	The student specified who fills in the form 058/o and within what period should it be submitted to the Center for disease control and prevention of the Ministry of Health when an infectious disease is detected
8.	The student formulates the answer in two sentences regarding the evaluation of the result of the calculation of the correlation coefficient and its reliability
9.	The student calculates and interprets the indicator of seasonality
10.	The student calculates and interprets the index of specific weight of treated patients with the diagnosis of the given infectious disease in the inpatient department

The algorithm of performance of a practical skill
"ANALYSIS OF HOSPITALIZED MORBIDITY" №1

No	Elements of performance
1.	The student names the kind of morbidity recorded according to the data of the task
2.	The student answers the question regarding the cluster health care facility provide rehabilitation assistance for the most common diseases according to Article 3 "Concepts and Terms Used in Health Care Legislation" of the Law of Ukraine "Basics of Ukrainian Legislation on Health Care"
3.	The student lists the three main indicators that characterize the work of the inpatient department
4.	The student names of the accounting document, which contains information about the patient who left the hospital (discharged or deceased) and is filled out by the attending physician at the same time as the epicrisis is recorded in the primary accounting documentation
5.	The student names three main reasons for providing the patient's informed consent in accordance with Article 43 "Consent to medical intervention" of the Law of Ukraine "Fundamentals of the Legislation of Ukraine on Health Care"
6.	The student determines the whole phenomenon (number value) while calculating the lethality rate in the given task
7.	The student names the kind of graphic image, which should be used for the image of the indicator of the structure of the types of surgical interventions in the inpatient department
8.	The student formulates the answer in two sentences on the assessment of the index of the Pearson's test, which is used to compare the level of hospital lethality depending on the terms of hospitalization
9.	The student calculates and interprets the indicator of bed function/circulation in the hospital
10.	The student calculates and interprets the indicator of lethality in the inpatient department

The algorithm of performance of a practical skill
"ANALYSIS OF HOSPITALIZED MORBIDITY" №2

No	Elements of performance
1.	The student names the kind of morbidity recorded according to the data of the task
2.	The student answers the question regarding the cluster health care facility provide rehabilitation assistance for the most common diseases according to Article 3 "Concepts and Terms Used in Health Care Legislation" of the Law of Ukraine "Basics of Ukrainian Legislation on Health Care"
3.	The student names of the primary documentation, in which includes all data about the patient who is treated in the inpatient department in hospital
4.	The student names 3 main ways of admission of patients to the hospital
5.	The student wrote a numerical formula for calculating the average annual length of stay of a patient in the clinical treatment-diagnostic cardiology center of the city of L. in 2023
6.	The student names the kind of graphic image, which should be used for the image of the indicator of the structure of medical and diagnostic procedures in the inpatient department
7.	The student names three main reasons for providing the patient's informed consent in accordance with Article 43 "Consent to medical intervention" of the Law of Ukraine "Fundamentals of the Legislation of Ukraine on Health Care"
8.	The student formulates the answer in two sentences on the assessment of the index of the Pearson's test, which is used to compare the frequency of hospitalization depending on the disease
9.	The student calculates and interprets t the hospitalization rate indicator in the hospital
10.	The student calculates and interprets the indicator of the specific weight of surgery in the inpatient department

The algorithm of performance of a practical skill
«ANALYSIS OF DEMOGRAPHIC INDICATORS» №1

No	Elements of performance
1.	The student lists five integral statistical indicators for a comprehensive assessment of the health state of the population
2.	The student names the document, which certifies the fact of birth of the child in a health care institution
3.	The student answers the question regarding born alive or stillborn babies with a body weight of 500 g or more subject to registration in the civil status registration authorities according to the "Regulation of live births and stillbirths" by the Order of the Ministry of Health No. 179 dated April 12, 2006 (in the edition of May 12, 2022)
4.	The student determines the phenomenon and environment (number value) while calculating the birth rate in the given task
5.	The student names the type of graphic image of the main demographic indicators
6.	The student indicates the place and deadline of registration of the newborn child
7.	The student names what information about the child is contained in form 103/o
8.	The student names the type of population, which is characteristic for the age structure of the population in the given task
9.	The student calculates and interpret the indicator of the specific weight of male population in Lviv region
10.	The student calculates and interpret the indicator of birth level of Lviv region (per 1000 of population)

The algorithm of performance of a practical skill
«ANALYSIS OF DEMOGRAPHIC INDICATORS» №2

No	Elements of performance
1.	The student names the document, which given to parents at the death of a child at the age of 2 month in a health care institution
2.	The student answers the question regarding the Medical Birth Certificate (f. no. 103/o) filled out in the event of the death of a newborn in the first 168 hours of life according to the "Registration of live births and stillbirths" by the Order of the Ministry of Health No. 179 dated April 12, 2006 (in the edition of May 12, 2022)
3.	The student lists five integral statistical indicators for a comprehensive assessment of the health state of the population
4.	The student indicates the place and deadline of registration of the case of death
5.	The student determines the phenomenon and environment (number value) while calculating the mortality indicator in the given task
6.	The student names the type of graphic image of the structure of mortality
7.	The student answered the question whether the name of a stillborn child is indicated in form 106-2/o
8.	The student names the type of population, which is characteristic for the age structure of the population in the given task
9.	The student calculates and interpret the indicator of the neonatal mortality rate (per 10 000 live births) in Lviv region
10.	The student calculates the indicator of natural growth of population and evaluates the obtained result in one sentence

The algorithm of performance of a practical skill
"ANALYSIS OF SOCIALLY SIGNIFICANT MORBIDITY" №1
(diabetes)

No	Elements of performance
1.	The student names the kind of morbidity which is presented in given situational task
2.	The student answers the question regarding people over 45 years of age belong to the group of patients with an increased risk of developing diabetes according to the Order of the Ministry of Health No. 504 dated 03.19.2018 "On the approval of the Procedure for providing primary medical care"
3.	The student names the kind of graphic image, which shows the levels of general and primary morbidity of hypertension
4.	The student names the main primary medical document of a patient who is treated on an outpatient basis or at home, and is filled in for all patients when they first apply to a health care institution which provides outpatient care
5.	The student defines a phenomenon and environment (number value) when calculating the indicator of general morbidity of diabetes
6.	The student indicates the frequency of examinations of patients with the increased risk of developing Diabetes mellitus according to the order of the Ministry of Health No 504 dated 19.03.2018 "On approval of the Procedure for providing primary medical care"
7.	The student lists five main methods for detecting Diabetes mellitus or other cardiovascular diseases provided by the order of the Ministry of Health No 504 dated 19.03.2018 "On approval of the Procedure for providing primary medical care"
8.	The student interprets in 2 sentences the result of comparing the average level of glucose in people with Diabetes mellitus of different stations using Student's t-test
9.	The student calculates and interprets the indicator of the primary morbidity
10.	The student calculates and interprets the index of specific weight of patients

The algorithm of performance of a practical skill
"ANALYSIS OF SOCIALLY SIGNIFICANT MORBIDITY" №2
(HIV infection)

No	Elements of performance
1.	The student names the kind of morbidity which is presented in given situational task
2.	The student names the types of medical care provided by health care institutions of Ukraine, according to Article 8 "State protection of the right to health care" of the Law of Ukraine "Fundamentals of Ukrainian legislation on health care"
3.	The student defines a phenomenon and environment (number value) when calculating the indicator of the primary morbidity of HIV infection
4.	The student answers the question regarding people over 14 years of age with existing risk factors belong to the group of patients with an increased risk of developing HIV infection according to the Order of the Ministry of Health No. 504 dated 03.19.2018 "On the approval of the Procedure for providing primary medical care"
5.	The student names the kind of graphic image, which can depict the dynamics of general and primary morbidity
6.	The student defines main method for detecting HIV infection provided by the order of the Ministry of Health No 504 dated 19.03.2018 "On approval of the Procedure for providing primary medical care"
7.	The student indicates the frequency of examinations of patients with the increased risk of developing HIV infection according to the order of the Ministry of Health No 504 dated 19.03.2018 "On approval of the Procedure for providing primary medical care"
8.	The student formulates the answer in two sentences regarding the evaluation of the result of the calculation of the correlation coefficient and its reliability according to the data of the task
9.	The student calculates and interprets the indicator of the general morbidity
10.	The student calculates and interprets the index of specific weight of of AIDS patients among all the first detected cases of HIV infection

The algorithm of performance of a practical skill
"ANALYSIS OF SOCIALLY SIGNIFICANT MORBIDITY" №3
(Oncological morbidity)

No	Elements of performance
1.	The student names the kind of morbidity, which is registered according to the data of situational task
2.	The student names the types of palliative care are divided into according to Article 35-4 "Palliative care" of the Law of Ukraine "Basics of Ukrainian legislation on health care"
3.	The student names the accounting document to which the family doctor records data on each patient on admission
4.	The student names the main method of detecting prostate cancer, provided by the order of the Ministry of Health No 504 dated 19.03.2018 "On approval of the Procedure for providing primary medical care"
5.	The student names the kind of graphic image, which shows the level of primary and general incidence of oncology according to the data of the task
6.	The student answers the question regarding men 40 years of age and older with a heavy hereditary history included in the group of patients with an increased risk of developing prostate cancer according to the Order of the Ministry of Health No. 504 dated 03.19.2018 "On the approval of the Procedure for providing primary medical care"
7.	The student names data, which will be a phenomenon and environment, when calculating the indicator of general morbidity according to the data of the task
8.	The student formulates the answer in two sentences regarding the evaluation of the result of the calculation of the correlation coefficient and its reliability according to the data of the task
9.	The student calculates and interprets the indicator of specific weight of patients with breast cancer among all diagnosed oncopathology for the first time
10.	The student calculates and interprets the indicator of primary morbidity according to the data of the task

The algorithm of performance of a practical skill
"ANALYSIS OF MORBIDITY WITH TEMPORARY DISABILITY"

№	Elements of performance
1	The student names the kind of morbidity, which is registered according to the data of situational task
2	The student names three main indicators characterizing morbidity of temporary inability to work
3	The student names who carry out the formation of medical reports in the Register of medical reports in the electronic health care system for the working population in accordance with the Order No. 1066 of the Ministry of Health of Ukraine dated 01.06.2021 "Some issues of the formation of medical reports on temporary inability to work and their verification"
4	The student names answer about preventive medical examinations performed for employees whose professional or other activities are related to public service or increased danger for the environment according to Article 31 "Mandatory medical examinations" of the Law of Ukraine "Basics of Ukrainian Legislation on Health Care"
5	The student names the kind of graphic image, which shows the structure of morbidity with temporary loss of working ability according to the data of the task
6	The student answers the question about medical assistance according to Article 33 "Ensuring the provision of medical assistance" of the Law of Ukraine "Basics of Ukrainian Legislation on Health Care"
7	The student names data, which will be a whole phenomenon, when calculating of the structure of morbidity with temporary loss of working ability according to the data of the task
8	The student formulates the answer in two sentences regarding the evaluation of the result of the calculation of the correlation coefficient and its reliability according to the data of the task
9	Calculated and interpreted the indicator of the rate of pathological lesions (per 100 examined) among university employees according to the task data
10	Calculated and interpreted the indicator of the average duration of one case of temporary disability according to the task data

The algorithm of performance of a practical skill
"FILLING IN THE " CARD OF A PATIENT DISCHARGED FROM A HOSPITAL "

№	Elements of performance
1.	Indicated the number "Card of a patient discharged from a hospital" and the form number of the inpatient patient f. 003/o
2.	Indicated the full date of hospitalization in paragraph 1
3	Indicated by whom the patient was sent and the name of the HC institution in paragraph 11
4.	Indicated the diagnosis during hospitalization and encrypted its code according to ICD-10 in paragraph 12
5.	Indicated the department code and bed profile during hospitalization and discharge in paragraphs 13, 14
6.	Indicated information on hospitalization pp. 15-17 and the result of treatment p. 18
7.	Indicated the date of discharge/death in paragraph 19 and emphasized the necessary word
8.	Calculated the bed-days spent in the hospital in paragraph 20
9.	Correctly written and encrypted with a ICD-10 diagnosis final clinical in paragraph 21
10.	Written the date of all conducted surveys in paragraphs 24-27

The algorithm of performance of a practical skill
"FILLING IN THE "MEDICAL DEATH CERTIFICATE"

№	Elements of performance
1.	Emphasized the <u>final</u> mark in the "Medical Death Certificate"
2.	Indicated the date of issue
3	Stressed <u>at home</u> and entered the place of death in paragraph 8 of the Certificate
4.	Stressed in paragraph 9 the correct cause of death
5.	Stressed in paragraph 10 by whom the cause of death is established
6.	Filled in paragraph 11 (who and on the basis of what established the cause of death)
7.	Consistently recorded the diseases (pathological conditions) that led to death in paragraph I: a) the immediate cause of death; b) the disease that caused the underlying cause of death
8.	Indicated the cause of death in the Certificate of cause of death: the main cause of death and its ICD-10 code
9.	Recorded single numbers in the "Medical Death Certificate" and in the Certificate of Cause of Death
10.	Coded the diagnosis of the disease, which led to the immediate cause of death, according to ICD-10