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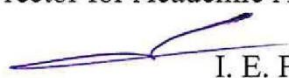
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MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA
Federal State Budgetary Educational Institution
of Higher Education
«I.N. Ulianov Chuvash State University»
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Faculty of Medicine
Pediatric Dentistry Department

«APPROVE»

Vice-rector for Academic Affairs


I. E. Poverinov

« 13 » 04 2022

WORKING PROGRAM OF PRACTICAL TRAINING
on-the-job training

(practical training in obtaining professional skills
and professional experience (in preventive dentistry))

Speciality 31.05.03 Dentistry

Directivity (profile) – "Dentistry"

Qualification of a graduate: Dental practitioner

Aspect of practical training - on-the-job training

Type of practical training - practical training in obtaining professional skills and experience and professional activities (in preventive dentistry))

The year when training started - 2022

The working program of the practical training is based on the requirements of the federal state educational standard of higher education – specialist's degree program by specialty 31.05.03 Dentistry, approved by Order of the Ministry of Science and Higher Education of the Russian Federation № 984 dated August 12, 2020, Order of the Ministry of Health of the Russian Federation dated September 3, 2013 №620n "On Approving the Procedure for Organizing and Conducting Practical Training of Students Mastering Professional Educational Programs of Medical Education, Pharmaceutical Education".

DRAFTERS:

Head of Pediatric Dentistry Department,
Candidate of Medical Sciences, Associate Professor K.V. Losev

Candidate of Medical Sciences A.V. Losev

Assistant of Pediatric Dentistry
Department, T.V. Kostyakova

DISCUSSED:

at the meeting of Pediatric Dentistry Department on March 6, 2022, record № 10

Head of the department, K.V. Losev

AGREED BY:

Methodological Commission of the Medical Faculty on March 28, 2022, record № 4

Dean of the Faculty V. N. Diomidova

Acting Head of the Educational and Methodological Department E.A. Shirmanova

1.The purpose and objectives of training during the practical training

The purpose of the on-the-job practical training (practical training in obtaining professional skills and experience of professional activity (in preventive dentistry) is to deepen theoretical training and consolidate practical skills and abilities in the discipline "Preventive Dentistry" directly at the workplace.

Objectives of on-the-job training (practical training in obtaining professional skills and professional experience (in preventive dentistry);

- obtaining and further deepening by future doctors of knowledge and skills acquired at various stages of study at the university;
- formation of medical thinking among students, providing solution of professional tasks;
- identification and elimination of risk factors for dental diseases in patients;
- training in filling out medical documentation;
- introducing students to the social environment of the organization in order to acquire social and personal competencies necessary to work in the professional field;
- mastering the basic principles of ethics and deontology.

2. Mode and type of practical training, method and forms of its implementation

Type of practice - On-the-job training

The practice is conducted in the form of practical training in accordance with the academic schedule and curriculum.

Type of practical training: practical training in obtaining professional skills and professional experience (in preventive dentistry)

Method of practice: stationary, field.

The form of carrying out the practical training is discrete by type of practice - by allocating a continuous period of training time in the calendar training schedule for each type (set of types) of practical training.

Practical training during the practice is organized by performing certain work types related to the students' future professional activities.

Students who combine training with labour activity have the right to pass practical training at the place of their labour activity in cases where the professional activity carried out by them meets the requirements of the educational program for practical training.

To guide the practice carried out in specialized university departments, the head of the practice is appointed from among the persons belonging to the teaching staff of the department responsible for implementing the educational program (hereinafter referred to as the EP). To guide the practical training conducted in a relevant organization, the head of the practical training is appointed from among the persons belonging to the teaching staff of the department responsible for implementing the EP, and the head (heads) of the practical training from among the employees of the relevant organization. The student's referral to practical training is issued in the form of a Student-Trainee's Permit (Appendix 1).

Practical training for students with disabilities and physical conditions is carried out taking into account the peculiarities of their psychophysical development, individual capabilities and health status.

Planned learning outcomes when passing the practical training correlated with the results of mastering the educational program

| Competence code | Competence achievement | Planned learning outcomes |
|------------------------|-------------------------------|----------------------------------|
|------------------------|-------------------------------|----------------------------------|

| | indicator | |
|---|---|--|
| GPC-4 He/she is able to carry out and monitor the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population | GPC-4.1 He/she is able to analyze the patient's commitment to a healthy lifestyle | Know: <ul style="list-style-type: none"> - goals and objectives of dental education; - methods and means of dental education; - the main directions of primary prevention; Be able to: <ul style="list-style-type: none"> - eliminate factors contributing to the development of dental diseases; - organize the prevention of dental diseases in the dental service system Master: <ul style="list-style-type: none"> - skills of determining the state of dental health of the population; - create living conditions that exclude harmful factors for health, as well as provide necessary medical care. |
| | GPC-4.2 He/she is able to plan activities aimed at preventing diseases and forming a healthy lifestyle | Know: <ul style="list-style-type: none"> - methods of preventing major dental diseases; - features of organizing the prevention of dental diseases in the dental service system - features of hygienic education of children and adults; - indications to select various oral hygiene products and items and their combinations; Be able to: <ul style="list-style-type: none"> - organize and carry out activities aimed at preventing diseases and forming a healthy lifestyle - conduct hygienic training for all age groups; - individually select oral hygiene products and items depending on the age and condition of the oral cavity; Master: skills of carrying out activities aimed at preventing diseases and forming a healthy lifestyle |
| | GPC-4.3 He/she carries out and monitors the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population | Know: <ul style="list-style-type: none"> - criteria for evaluating the effectiveness of dental education; - methods of control to educate oral hygiene skills; Be able to: <ul style="list-style-type: none"> - carry out controlled brushing of teeth; - evaluate the effectiveness of dental |

| | | |
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| | | <p>education;</p> <p>Master:</p> <ul style="list-style-type: none"> - methods of conducting and analyzing the effectiveness of dental education measures. |
| <p>PC-1 He/she is able to conduct examinations of the patient in order to make a diagnosis</p> | <p>PC-1.1 he/she conducts a physical examination of the patient (taking complaints and history, inspection, palpation, percussion)</p> | <p>Know:</p> <ul style="list-style-type: none"> - rules for history taking, questioning the patient; - registration index for various age groups; - international dental numbering system; - index assessment of oral tissues condition; - instrumental studies, their diagnostic opportunities, indicators corresponding to the norm and changes; <p>Be able to:</p> <ul style="list-style-type: none"> - conduct the patient's examination and questioning; - interpret instrumental examination methods; <p>Master:</p> <ul style="list-style-type: none"> - the skills of taking the history and methods of physical examination of the patient; - assessment of oral tissues condition; |
| | <p>PC-1.2 - He/she analyzes the information obtained during the physical examination, additional examination methods, formulates an initial diagnosis</p> | <p>Know:</p> <ul style="list-style-type: none"> - etiology, pathogenesis, and prevention measures of the most common diseases (syndromes); - risk factors of diseases under study; <p>Be able to:</p> <ul style="list-style-type: none"> - interpret the data of questioning, inspection of the patient, instrumental examination methods; <p>Possess: the skills of analyzing the information obtained during a physical examination to make a preliminary analysis.</p> |
| | <p>PC-1.3. - He/she formulates a clinical diagnosis based on the information received.</p> | <p>Know:</p> <ul style="list-style-type: none"> - the scheme for examining a dental patient, the stages of the diagnostic process; - rules for filling out the case history; <p>Be able to:</p> <ul style="list-style-type: none"> - to carry out the main methods of patient's examination; - fill in a case history; <p>Master:</p> <ul style="list-style-type: none"> - skills of making a clinical diagnosis based on the information received. - rules for maintaining medical records. |

| | | |
|--|---|---|
| PC-4 He/she is able to conduct and monitor the effectiveness of sanitary-epidemic and other preventive measures to protect public health | PC-4.1 - develop a plan of sanitary-epidemic and preventive measures to protect public health | Know: <ul style="list-style-type: none"> - goals and objectives of epidemiological dental examination; - epidemiological methods of examination in dentistry; - stages of epidemiological dental examination; Be able to: <ul style="list-style-type: none"> - assess the prevalence and intensity of caries; - determine an increase in the intensity of caries and reduction of caries; Master: methods of epidemiological examination. |
| | PC-4.2 He/she conducts and monitors the effectiveness of developed sanitary-epidemic and preventive measures to protect public health | Know: evaluation methods of sanitary-epidemic and preventive measures to protect public health; Be able to: carry out and determine the effectiveness of sanitary and epidemiological measures for public health protection; Master: skills to determine the effectiveness of the developed sanitary-epidemic and preventive measures. |

4. The place of the practical training in the structure of the educational program of higher education

On-the-job training (practical training in obtaining professional skills and experience in professional activities (in preventive dentistry) is part of Block 2. "Practical Training", "Mandatory part" and is based on the disciplines of the educational program of higher education in the field of training – 31.05.03 Dentistry.

During passing the practical training, knowledge, skills and abilities formed during the development of academic disciplines are used: Hygiene (GPC-4.1; GPC-4.2; GPC-4.3); Radiation Diagnostics (PC-1.1; PC-1.2; PC-1.3), Preventive Dentistry (GPC-4.1; GPC-4.2; GPC-4.3), Propaedeutic Dentistry (PC-1.1; PC-1.2; PC-1.3).

To pass successfully the practical training, the student must

Know:

- the legislation of the Russian Federation in the field of public health protection;
- regulatory legal acts and other documents defining the activities of medical facilities and medical professionals;
- Know: moral and ethical norms, rules and principles of professional medical behavior
- fundamentals of medical deontology and ethics

Be able to:

- build social communications;
- apply the knowledge of medical deontology in practice;
- implement legal norms in professional activity;
- make a plan and report on his/her work, carry out social interaction;

Master:

- the ways to exchange information, knowledge and experience, in presenting the results of the team's work.

- the rules of work in information systems, practical skills in choosing the optimal ways to solve problems, based on current legal norms, available resources and limitations.
- skills of communicating with patients taking into account legal norms, ethical and deontological principles in professional activity.
- the skills of tolerant behavior in a team;
- methods and means of medical ethics and deontology.

The knowledge, skills and abilities acquired as a result of practical training are used to study the following educational disciplines of the EP: Infectious Diseases, Epidemiology (PC-4.1; PC-4.2), Clinical Laboratory Diagnostics (PC-1.2; PC-1.3), Therapeutic Dentistry (PC-1.1; PC-1.2; PC-1.3), Surgical Dentistry (PC-1.1; PC-1.2; PC-1.3), Gnatology in Orthodontics (PC-1.1; PC-1.2; PC-1.3), Propaedeutics of Internal Diseases (PC-1.1; PC-1.2; PC-1.3), Pediatric Dentistry (PC-1.1; PC-1.2; PC-1.3).

5. Place and time frame of practical training

Organization of on-the-job practical training (practical training for obtaining professional skills and experience of professional activity (in preventive dentistry) is carried out on the basis of contracts with organizations whose activities is in line with professional competencies mastered within the framework of this educational program of higher education

The practical training is carried out at the bases of medical facilities in the town of Cheboksary, in the regions of the Chuvash Republic and other regions of the Russian Federation, on the basis of Accreditation and Simulation Center of the Medical Faculty of the FSBEI of HE «I.N. Ulianov Chuvash State University».

The preparation of students for practical training begins with their introducing to the main tasks of the upcoming practical training. It is followed by registration for practical training, instruction on getting to know the requirements of labour protection, occupational safety, fire safety, as well as the internal labor regulations of the organization that provides a place for practice. Next, students receive an assignment for practice.

Practical training for students with disabilities and physical conditions is carried out taking into account the peculiarities of their psychophysical development, individual capabilities and health status.

On-the-job training (practical training in obtaining professional skills and experience in professional activities (in preventive dentistry) is carried out in the 6th semester. The total duration of the practical training is 2 weeks.

The form of practical training attestation is a credit test with a mark (graded credit). According to the results of the credit test, the student can be rated as "excellent", "good", "satisfactory" and "failing".

6. Structure and content of practical training.

In conformity with the curriculum to master the practical training program, the curriculum provides for 3 credits / 108 academic hours, including the amount of contact work is 2 hours. The duration of the educational introductory practical training is 2 weeks.

| No paragraph | Sections (stages) the practical training | Types of work in practice, including independent work of students | Labor intensity, Hours | Including contact work not less than, hours. | Emerging competencies |
|--------------|---|--|------------------------|--|-----------------------|
| 1. | Organization of the practical training, its preparatory stage | Registration for practice, instruction on familiarization with labour protection | 2 | 0.5 | GPC-4; PC-4 |

| | | | | | |
|----|----------------------|---|-----|-----|--------------------|
| | | requirements, safety rules, fire safety, as well as the internal labor regulations of the organization. Getting to know the practice base Familiarization of students with the principles of organizing and functioning of preschool and school institutions, dental offices and polyclinics, prevention of infections in medical and preventive institutions. Rules for maintaining medical records. Getting an assignment for the practical training. | | | |
| 2. | On-the-job stage. | Training and work in the workplace as a trainee in accordance with an individual assignment. | 102 | 1 | GPC-4, PC-1, PC-4. |
| 3. | Preparing the report | Summarizing the collected materials, summing up the results of the practice. | 2 | 0.5 | GPC-4, PC-1, PC-4. |
| 4. | Report presentation | Getting feedback at the workplace. Presentation and defending the practice report. | 2 | | GPC-4, PC-1, PC-4. |
| | TOTAL | | 108 | 2 | |
| | Total, credit points | | 3 | | |

The specific content of the practical training is developed by the supervisor of the practical training from the department responsible for organizing and conducting the practical training together with the head of the practical training from the relevant organization. The content of the practical training is reflected in the assignment for the student-trainee (Appendix 6).

Completing the assignment should ensure consolidation, expansion and deepening of theoretical knowledge in computing and computer science by participating in software development using structural analysis and modeling, development automation tools based on

modern software development technologies. The assignment for practice should provide for the achievement of planned learning outcomes when passing the practical training, correlated with the results of mastering the educational program. The assignment for practical training is formulated taking into account the specifics and nature of the activities of the relevant organization. It should provide for:

- getting to know the practice base (relevant organization), manufactured products, the structure of research, design and engineering and design and technology subdivisions, their role, tasks and relationships with other departments;
- familiarization with the scientific organization of labour in the research, design and engineering and design and technology subdivisions of the relevant organization;
- studying the technology of creating software tools;
- acquisition and consolidation of skills of design and technological work (software design, software interfaces, databases based on modern software development technologies);
- studying the issues of safety, labor protection and fire prevention measures;
- getting to know the methods and technologies for ensuring and evaluating the quality of the software being developed;
- getting to know the economic and organizational aspects in the functioning of research, design and engineering and design and technology subdivisions of the relevant organization.
- acquisition of skills in the development and execution of software documentation.

The work schedule (plan) of practical training is agreed with the supervisor representing a relevant organization (Appendix 7).

7. Practice reporting form

The form of practical training attestation is a credit test with a mark (graded credit). According to the results of the credit test, the student can be rated as "excellent", "good", "satisfactory" and "failing". To check the quality of practical training, as well as the acquired knowledge, skills and abilities, students must submit the following materials and documents to the supervisor of the practical training representing the department:

- the student-trainee's permit, issued in accordance with the requirements and containing: a review from the relevant organization in which the practical training took place; a description of the work done by the trainee; a general assessment of the quality of his/her training, his/her ability to contact people and analyze the situation, his/her ability to work with statistical data, etc.;
- report of the student-trainee on the work performed when passing the practical training, indicating the new knowledge, skills and abilities obtained (Appendix 3).

The report of the student-trainee on the practical training should be issued in accordance with the interstate standard GOST 7.32-2017. The report of the student-trainee on the practical training is reviewed and evaluated by the head of the practice from the department responsible for organizing and conducting the practical training. Reports are presented to the head of the practical training representing the department and the head of the department.

Requirements for the report execution

The text is placed on one side of a sheet of white A4 paper and must meet the following requirements:

- designed in *Times New Roman* font;
- the height of the letters (size) - 14, the shape of the letters - normal;
- line spacing – one and a half;
- formatting – by width.

Page parameters: top margin – 20 mm, bottom margin – 20 mm, left margin – 30 mm, right margin – 10 mm.

Pages of the report should be numbered in Arabic numerals, observing the end-to-end numbering throughout the text of the work. The page number is placed in the middle of the upper

field without a dot at the end. The title page is included in the general page numbering of the work, but the page number is not put down.

The **practice diary** is kept by the student and is a mandatory reporting document for the student (see appendix 2). In the practice diary, it is necessary to record daily brief information about the work done during the day. Records of the work performed must be specific and signed daily by the head of the department or an official appointed mentor.

8. The fund of assessment tools for the ongoing monitoring the academic performance and intermediate attestation of students in practical training

8.1 Fund of assessment tools

In the course of practical training, the student passing the practical training keeps a practice diary, which records the type and duration of activity in the process of completing the practice task. The diary is an integral part of the practice report. The working documents for drawing up the report are also working materials and documents of the profile organization that are allowed for study and use by the student passing the practical training. The scope and content of the information provided in the report on implementing an individual assignment by each student is clarified with the practice supervisors.

Evaluation criteria:

- - the "excellent" rating is given to the student if the student has found a comprehensive systematic knowledge of theoretical material and practical material within the framework of his practice task; has fully submitted a report on the practice, designed in accordance with the requirements; has positive feedback from the profile organization;
- - the rating "good" is given if the student firmly knows the theoretical material within the framework of the practical task, competently and substantially presents it, does not allow significant inaccuracies in its presentation; has fully submitted a report on the practice, designed in accordance with the requirements; has positive feedback from the profile organization;
- - the "satisfactory" rating is given to the trainee, if the student has knowledge only of theoretical material in the framework of the task to practice, but has not learned its details, perhaps admits imprecise, insufficiently correct wording in his/her written statement or makes significant errors in the presenting the theoretical material; in full, but with inaccuracies, presented the report on practical training issued in accordance with the requirements; has satisfactory reviews from the profile organization;
- - the "failing" rating is given to the student if the student missed classes during the practical training without valid reasons; made fundamental mistakes in performing assignments for the practical training, or did not complete the assignment; submitted an incomplete, inaccurate report on the practical training, issued without compliance with the requirements; has unsatisfactory reviews from the relevant organization.

8.2. Practice assignments.

8.2.1. Individual assignments for the practical training.

GPC (controlled competencies - GPC- 4, PC-1, PC-4).

The on-the-job training begins at medical facilities with introductory briefing, workplace initial training, with training in specific occupational safety rules at the workplace with execution of relevant documents.

Responsibility for the organizing the on-the-job training in medical institutions is assigned to the head of the institution.

The student during the practical training must:

- completely perform the assignments provided for by the practical training program;
- comply with the internal labor regulations in force in medical institutions;
- study and strictly observe the rules of labor protection and fire safety, occupational safety and workplace sanitation;

- be responsible for the work performed and its results on an equal basis with full-time employees;
- submit a diary, a written report on completing the practical training and pass the test in a timely manner to the supervisor of the practical training.

The content of the practical training is reflected in the assignment for the student-trainee.

The assignment for the practical training should provide for the achievement of planned learning outcomes when passing the practical training, correlated with the results of mastering the educational program.

The assignment for the practical training is formulated taking into account the specifics and nature of the activities of the relevant organization.

To improve the effectiveness of on-the-job training, in order for future specialists to gain deeper knowledge and practical skills, each student individually studies individual issues of the program. Each student is given an individual assignment on the technological part. The performance of individual assignments is a necessary constituent of the student's work.

The content of individual assignments is determined by the working program of the practical training and the features of this practice base. The topics of individual assignments are compiled by the supervisor representing the University together with the supervisor of the practical training representing the medical facility practice base.

8.2.2. Model assignments for the practical training.

1. Keeping and execution of the practice diary.
2. Passing instruction on introduction to the requirements of labor protection, occupational safety, fire safety, as well as the internal labor regulations of the organization that provides a place for practical training.
3. Completing tasks.

The content of the tasks:

1. determining hygienic indices and assessing the hygienic condition of the oral cavity; implementation of individual selection of oral hygiene products for the patient; teaching children and adults of various ages to clean teeth individually and in a group.
2. dental examination of children of various ages and adults; recording of the dental formula of permanent and temporary teeth in accordance with the international designation system; determining the condition of hard dental tissues using the CFE, cfe, cf indices of teeth and surfaces.
3. preparation of lectures, conversations on prevention of dental diseases; determining the prevalence and intensity of major dental diseases (caries, periodontal diseases) in the group of examined patients.

The student fills out the practice diary every day, in which he/she records the degree of the each day task's completion. At the end of the practical training, the student draws up a report on the practical training, which includes all the stages and activities planned by the practical training program, and their fulfillment (or non-fulfillment) by the student with an explanation of the reasons for non-fulfillment.

8.2.3. Requirements for the report execution

GPC (controlled competencies - GPC- 4, PC-1, PC-4).

Making up the report is carried out in accordance with the local documents of the university.

8.3. Sample list of questions for the credit test

GPC(controlled competencies - GPC- 4, PC-1, PC-4).

1. Concepts of dental diseases prevention. The main directions of primary prevention;
2. Preparation of the workplace and tools.
3. Determination of the Fedorov-Volodkina index as one of the criteria for the development

of a primary prevention program; methodology and calculation.

4. Secondary and tertiary prevention. Organization of dental diseases prevention in the dental service system. Methods of individual hygienic training of children.

5. Goals and objectives of epidemiological dental examination, methods of examination, registration, evaluation of examination results. Simplified Oral Hygiene Index OHI-S (Green-Vermillion Index) as one of the indices used in epidemiological research; methodology and calculation.

6. Epidemiological methods of examination in dentistry; Tasks of epidemiology. Stages of the epidemiological examination. Activity of dental caries according to T.F. Vinogradova.

7. Prevalence and intensity of caries; Registration index for various age groups; Levels of caries intensity according to WHO criteria. International Tooth Numbering System.

8. The increase in the intensity of caries and the reduction of caries as criteria for evaluating preventive programs. Methodology for calculating these indicators.

9. Dental deposits: classification, composition, properties, methods of detection.

10. The Ramjorde Hygienic Index: indications, methods of conducting and calculation.

11. The importance of tartar and food debris in the development of caries and periodontal diseases. Formation, localization, composition, properties of the soft substance of dental tartar. Its difference from dental plaque. The influence of various factors on the rate of tartar formation.

12. Calculus. Types. Formation, composition, methods of detection. The influence of various factors on the rate of calculus formation. The role of mineralized dental deposits in the occurrence and course of periodontal diseases.

13. Means to prevent the formation of tartar.

14. The Pakhomov Hygienic Index: indications, methods of conducting and calculation.

15. Prevalence and intensity of periodontal diseases. CPITN index, methodology and calculation.

16. The Russell periodontal index (Russel) and the Fush radiological index (Fush) as criteria for periodontal tissue damage. Methodology and calculation.

17. Professional oral and dental hygiene. Defining, scope.

18. The Podshadley-Haley Hygienic Index: indications, methods of conducting and calculation.

19. Hygienic index for the assessment of tartar in young children by E.M. Kuzmina: indications, methodology and calculation.

20. The Silness-Loe Hygienic Index: indications, methods of conducting and calculation.

21. Methods of professional teeth cleaning. Manual method of removing dental deposits: necessary tools, medicines, additional means, methods of carrying out.

22. Methods of professional teeth cleaning. Physical (ultrasound, sandblast) method of removing dental deposits: necessary tools, medicines, additional means, methods of carrying out.

23. Methods of professional teeth cleaning. Chemical method of removing dental deposits: necessary tools, medicines, additional means, methods of carrying out.

24. Methods of professional oral hygiene. Stages. Remineralizing therapy as the final stage of professional dental cleaning. Methods, means, frequency of carrying out.

25. General and local factors of caries development.

26. Focal enamel demineralization. Methods of detection.

27. Caries resistance of tooth enamel. Levels, formation. Periods and causes of changes in caries resistance.

28. Classification of oral hygiene items. Characteristics of toothbrushes. Electric, ionic toothbrushes. Special toothbrushes. Indications for their use. Toothbrush care, frequency of change.

29. Additional oral hygiene items: flosses, toothpicks, interdental brushes, interdental stimulants, oral irrigators. Indications for their use. The method of teaching the patient to use floss.

30. The standard method of brushing teeth

31. Controlled brushing of teeth and methods of its implementation.
32. Endogenous prevention of caries in children. Antenatal prevention. Features of a pregnant woman's nutrition. Features of the diet in different periods of pregnancy.
33. Risk factors of development and the main directions of primary prevention of periodontal diseases.
34. The PMA index, methodology and calculation.
35. The Schiller-Pisarev test: methodology, evaluation and interpretation of the results.
36. Individual prevention of periodontal diseases.
37. Morphological and functional characteristics of the periods of a child's bite development.
38. Bad habits in children. Classification of bad habits according to V.P. Okushko. The concept of myodynamic equilibrium. Myogymnastics as a method of prevention and treatment of the dental system deformity in a child.
39. Exogenous prevention of caries: the concept of exogenous prevention, its main directions. Open and closed sealing of fissures: indications, methods of conducting.
40. Exogenous prevention of caries. Remineralizing therapy: its main directions, the mechanism of action of remineralizing preparations, methods of conducting.
41. Exogenous prevention of caries. Deep fluoridation technique: mechanism of action, indications, method of conducting.
42. Oral hygiene products. Toothpastes, powders and gels: classification, indications for use. The standard method of brushing teeth.
43. Oral hygiene products. Dental elixirs, oral sprays and mouthwashers: classification, indications for use. Methods and frequency of using rinses.
44. Individual selection of oral hygiene products and items. Indications to select various oral hygiene products and items and their combinations; applied clinical and laboratory studies. The frequency of replacing oral hygiene products and items.
45. Individual oral hygiene in persons with orthodontic and orthopedic structures. Methods of using toothpicks and brushes.
46. Methods of conducting sanitary and educational work among preschoolers, schoolchildren and their parents, teaching oral hygiene. Organization of the school office of oral hygiene.

Evaluation criteria:

- the "excellent" mark is given to a student if the student has demonstrated a comprehensive systematic knowledge of theoretical material and practical material within the framework of his practice task; has fully submitted a report on the practice, designed in accordance with the requirements; has positive feedback from the profile organization;
- the "good" mark is given if the student firmly knows the theoretical material within the framework of the practical task, competently and substantially presents it, does not allow significant inaccuracies in its presentation; has fully submitted a report on the practice, designed in accordance with the requirements;
- the "satisfactory" mark is given to the trainee, if the student has knowledge only of theoretical material in the framework of the task to practice, but has not learned its details, perhaps admits imprecise, insufficient correct wording in his written statement or makes significant errors in the presentation of theoretical material; in full, but with inaccuracies, presented a report on the practice issued in accordance with the requirements;
- the "unsatisfactory" mark is given to the student if the student missed classes during the practical training without valid reasons; made fundamental mistakes in performing tasks in practice, or did not complete the task; submitted an incomplete, inaccurate report on practice, issued without compliance with the requirements.

Criteria for assessing the formation of competence

| | | |
|---------|----------|---|
| Planned | learning | Assessment of competence formation at the initial stage |
|---------|----------|---|

| outcomes | Unsatisfactory (2 points) | Satisfactory (3 points) | Good (4 points) | Excellent (5 points) |
|---|--|---|--|--|
| <p>Know:</p> <ul style="list-style-type: none"> - goals and objectives of dental education; - methods and means of dental education; - the main directions of primary prevention; <p>Be able to:</p> <ul style="list-style-type: none"> - eliminate factors contributing to the development of dental diseases; - organize the prevention of dental diseases in the dental service system <p>Master:</p> <ul style="list-style-type: none"> - skills of determining the state of dental health of the population; - create living conditions that exclude harmful factors for health, as well as provide necessary medical care. | <p>The student has only partially mastered the minimum level of knowledge. Skills and abilities are underdeveloped</p> | <p>The student has general knowledge of the minimal level, but does not know how to logically substantiate his thoughts. The skills and abilities are poorly developed</p> | <p>The student demonstrates the minimal level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking skills and abilities, mistakes are made in reasonings.</p> | <p>The student demonstrates the maximum level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions</p> |
| Planned learning outcomes | Assessment of competence formation at the intermediate stage | | | |
| | Unsatisfactory (2 points) | Satisfactory (3 points) | Good (4 points) | Excellent (5 points) |
| <p>Know:</p> <ul style="list-style-type: none"> - methods of preventing major dental diseases; - features of organizing the prevention of dental diseases in the dental service system - features of hygienic education of children and adults; - indications to select various oral hygiene products and items and their combinations; <p>Be able to:</p> <ul style="list-style-type: none"> - organize and carry out activities aimed at preventing diseases and forming a healthy | <p>The student has general knowledge of the basic level, but does not know how to logically substantiate his thoughts. Basic skills and abilities are poorly developed</p> | <p>The student demonstrates a basic level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking basic skills and abilities, mistakes are made in reasoning.</p> | <p>The student demonstrates the basic level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions</p> | <p>The student has fully mastered the basic level of knowledge, skills and abilities, understands the material covered, responds clearly and comprehensively, is able to evaluate facts, reasons independently</p> |

| | | | | |
|--|--|--|---|---|
| lifestyle - conduct hygienic training for all age groups; - individually select oral hygiene products and items depending on the age and condition of the oral cavity; Master: skills of carrying out activities aimed at preventing diseases and forming a healthy lifestyle | | | | |
| Planned learning outcomes | Assessment of competence formation at the final stage | | | |
| | Unsatisfactory (2 points) | Satisfactory (3 points) | Good (4 points) | Excellent (5 points) |
| Know: - criteria for evaluating the effectiveness of dental education; - methods of control to educate oral hygiene skills; Be able to: - carry out controlled brushing of teeth; - evaluate the effectiveness of dental education; Master: - methods of conducting and analyzing the effectiveness of dental education measures. | The student does not demonstrate an advanced level of knowledge. | The student demonstrates an advanced level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking basic skills and abilities, mistakes are made in reasoning. | The student demonstrates an advanced level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions | The student has fully mastered the advanced level of knowledge, skills and abilities, understands the material covered, responds clearly and comprehensively, is able to evaluate facts, reasons independently, is distinguished by the ability to substantiate conclusions and explain them in a logical sequence. |

9. List of educational literature and Internet resources required for practical training

The electronic catalog and electronic information resources provided by the scientific library of the FSBEI of HE "I.N. Ulianov Chuvash State University" are available at the link <http://library.chuvsu.ru/>

9.1. Recommended basic literature

| № | Title |
|----|--|
| 1. | Vasiliev V.I. Prevention of Dental Diseases [Electronic resource]: textbook for universities/ V.I. Vasiliev - Electron.text data. — Moscow: Yurayt Publishing House, 2020. — 386 p. - ISBN 978-5-534-13094-2. Access mode: https://urait.ru/bcode/449155 |

| | |
|----|--|
| 2. | Britova A.A. Cariesology and Diseases of Hard Dental Tissues [Electronic resource]: textbook for universities/ A.A. Britova - Electron.text data. — Moscow: Yurayt Publishing House, 2020. — 386 p. - ISBN 978-5-534-11472-0. Access mode: https://urait.ru/bcode/456224 |
|----|--|

9.2. Recommended additional literature

| | Title |
|----|---|
| 1. | Moiseeva V.V. Therapeutic Dentistry. [Electronic resource]: textbook / V.V. Moiseyeva. — Saratov: Scientific Book Publ., 2019.- ISBN 978-5-9758-1791-4. Access mode : http://www.iprbookshop.ru/81062.html |
| 2. | Dentistry: textbook [Electronic resource] / K.M. Kapustin, D.N. Orlov.- Saratov: Scientific Book, 2019. - ISBN 978-5-9758-1782-2. Access mode : http://www.iprbookshop.ru/81053.html |
| 3. | Mironova M. L. Dental Diseases: textbook / M. L. Mironova - Moscow: GEOTAR-Media Publ., 2018. - 320 p. - ISBN 978-5-9704-4772-7. Access mode: https://www.studentlibrary.ru/book/ISBN9785970447727.html |

10. List of information technologies used in conducting the practical training, including the list of software, professional databases and information reference systems

Available software licensed and freely distributed software, including that of domestic production, provided to the student by the university, is available for download and use at the URL: <http://ui.chuvsu.ru/index.php>.

In the course of practical training, students can use information technologies, including computer simulations, automation tools for design and software development used in the relevant organization, Internet technologies, etc.

9.1. Recommended software

| Se q. N | Name of recommended software | Terms of access/download |
|---------------|-------------------------------------|---|
| | | free license agreement: |
| 1. | Microsoft Visual Studio | https://visualstudio.microsoft.com/ru/downloads/ |
| 2. | Microsoft® SQL Server® 2017 Express | https://www.microsoft.com/en-us/download/details.aspx?id=55994 |
| 3. | Linux/ Ubuntu | http://ubuntu.ru/ |
| 4. | LibreOffice | https://ru.libreoffice.org/ |
| 5. | Mathcad v.Prime 3.1 | from the university's internal network (contract) |
| 6. | Microsoft Windows | |
| 7. | Microsoft Office | |

10.2. Professional databases, information and reference systems

| Se q. N | Name of software | Terms of access/download |
|---------------|--|---|
| 1. | Garant | from the university's internal network (contract) |
| 2. | Consultant + | |
| 3. | Scientific Electronic Library eLIBRARY.RU | free access http://elibrary.ru/ |
| 4. | Scientific Electronic Library "Cyberleninka" | free access http://cyberleninka.ru |

| | | |
|-----|---|---|
| 5. | Electronic library system "Yurayt": electronic library for universities and colleges | free access https://urait.ru |
| 6. | EBS "Publishing House "Lan" | free access https://e.lanbook.com/ |
| 7. | Electronic library system IPRbooks. | free access http://www.iprbookshop.ru |
| 8. | The Russian State Library | free access http://www.rsl.ru |
| 9. | The Russian National Library | free access http://www.nlr.ru |
| 10. | Consultant of a Student. Electronic library of a medical university. | free access http://www.studmedlib.ru/ |
| 11. | Consultant of a Student. Student Electronic Library | free access http://www.studentlibrary.ru |
| 12. | FSBEI of HE «I.N. Ulianov Chuvash State University» Scientific Library | free access http://library.chuvsu.ru |
| 13. | Electronic library system IPRbooks. | free access http://www.iprbookshop.ru |

10.3. Recommended online resources and open online courses

| Se q. N | Name of software | Terms of access/download |
|---------------|---|--|
| 1. | Single window of access to information resources | URL: http://window.edu.ru/ |

11. Material and technical support of on-the-job training.

In accordance with the contracts for practical training between the university and the profile organization, students can use the resources of the health care facilities, the library, medical and other documentation of the relevant organization and the university, which are necessary for successful mastering the on-the-job training program by students and completing their individual assignments for practice. The university's classrooms for independent studies are equipped with user-defined automated workstations for the number of students connected by a local network ("computer" class), with the opportunity to connect to the Internet and access the electronic information and educational environment of the Chuvash State University named after I. N. Ulyanov.

12. Organization of on-the-job training for the disabled and persons with health limitations (if available)

Organization of industry-focused practical training for the disabled and persons with physical conditions is carried out taking into account the students' state of health and the requirements of their accessibility for students and the recommendations of medical and social expertise, as well as an individual rehabilitation and habilitation program for a disabled person from a Federal State institution of medical and social expertise, regarding the recommended conditions and types of work.

In order to organize passing the practical training for students with disabilities and persons with physical conditions, the university coordinates with the relevant organization (enterprise) the conditions and types of work, taking into account the types of activities, in accordance with the federal state educational standard of higher education and the basic educational program of higher education in this field of training / specialty, taking into account the recommendations of medical and social expertise and/or an individual rehabilitation and habilitation program for a disabled person. If necessary, special workplaces can be equipped for practical training in accordance with the nature of disorders, as well as taking into account the professional type of activity and the nature of work performed by a disabled student and persons

with physical conditions in accordance with the requirements of professional standards in the relevant field of training/ specialty.

The forms of conducting industry-focused practical training for students with disabilities and persons with physical conditions can be established taking into account their individual capabilities and health status. Taking into account the individual characteristics of students with disabilities and persons with physical conditions can be reflected in the individual task for practice, specific types of work reflected in the individual task for practice, the work schedule (plan) of the student's practical training. Material, technical and methodological conditions should be created for the organization and conducting the experiments (research), taking into account their individual capabilities and health status. The forms of independent work are also established taking into account their individual psychophysical characteristics, capabilities and health status (orally, in writing on paper or on a computer, etc.).

If necessary, students with disabilities and persons with physical conditions are provided with additional consultations and additional time to complete tasks during the industry-focused practical training.

During the practical training, students with disabilities and persons with physical conditions, if necessary, are provided with the assistance of a tutor or assistant (at the request of the student and in accordance with the recommendations of the individual rehabilitation and habilitation program of the disabled person).

The recommended logistical support and software for completing tasks and preparing a report on the practical training for students with disabilities and persons with physical conditions includes:

- *For persons with visual impairment:* blind aid means: a tactile (Braille) display, a manual and stationary video magnifier (for example, Topaz, Onix), a television magnifying device, a digital tablet that provides communication with an interactive whiteboard in the classroom (if available), with a teacher's computer, magnifying devices (magnifier, electronic magnifier), a talking calculator; text reading devices for blind ("reading machine"), an organizer player for the blind (typhlo-flashplayer), Braille writing tools: Braille device, paper, pencil, Braille typewriter (Tatrapoint, Perkins, etc.), - a printer for printing Braille raised dots and relief-graphic images. Software: a program for non-visual access to information on a computer screen (for example, JAWS for Windows), a program for reading text files aloud (for example, Balabolka), a program for enlarging an image on a screen (Magic) (providing a screen magnification scale from 1.1 to 36 times, the ability to adjust brightness and contrast, as well as invert and replace colors, the ability to optimize the external view of the cursor and mouse pointer, the ability to view an enlarged and unenlarged image, simultaneously move the enlarged area using the keyboard or the mouse, etc.).

- *For people with hearing impairment:* special technical means: wireless system of linear acoustic radiation, radio class - wireless sound transmission technology (FM system), sets of electroacoustic and sound amplifying equipment with combined elements of wired and wireless systems based on professional amplifiers, - multimedia - a computer, a multimedia projector, interactive and touch boards. Software: programs for creating and editing subtitles that convert speech into text and gesture formats on a computer screen (iCommunicator, etc.).

- *For persons with musculoskeletal disorders:* special technical means: special keyboards (with an increased size of keys, with a special overlay that limits accidental pressing neighboring keys, sensor, use of voice commands), special mice (joysticks, rollers, as well as a head mouse), remote buttons, oversized pens and special overlays for them, enabling to hold the pen and manipulate it with minimal effort, weighted (with additional weight) pens that reduce the manifestation of tremor when writing, graphic information exchange devices. Software: "virtual keyboard" program, special software enabling to use abbreviations, finish writing words and predict words and phrases based on the initial letters and grammatical form of previous words, special software enabling to reproduce special mathematical functions and algorithms.

- *For persons with disabilities due to a general disease:* a multimedia computer (laptop),
- a multimedia projector, etc.

Students with disabilities and persons with physical conditions can, if necessary, use special equipment available at the University.

The procedure for presenting the report on the practical training by students with disabilities and persons with physical conditions should ensure providing necessary technical means and, if necessary, providing technical assistance. The form of carrying out the procedure for defending the report and obtaining a test by students with disabilities and persons with physical conditions is established taking into account their individual psychophysical characteristics and health capabilities (orally, in writing on paper, in writing on a computer, etc.). If necessary, students with disabilities and persons with physical conditions are provided with additional time to speak.

Appendix 1. Permit for a trainee passing on-the-job training

**MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
Federal State Budgetary Educational Institution
of Higher Education**

«I.N. Ulianov Chuvash State University»
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

**PERMIT
of a student-trainee**

The student of _____ course

(family name)

(first name and patronymic)

according to contract № _____ dated

is sent _____

to pass the on-the-job training (_____)

name of the practice

in the field of training / specialty

from " ____ " _____ 20____ to " ____ " _____ 20____ .

Head of department _____ / _____

(signature / transcript of the signature)

Specialist

on educational and methodical work _____ / _____

Place of stamp(signature / transcript of the signature)

The student passing on-the-job training showed up for work on the " ____ " _____ 20____ .

Appoint a supervisor representing the company

(organization) _____

filled in by the
company
(organization)

Supervisor representing the enterprise (organization)

Place of stamp " ____ " _____ 20____ .

**General feedback from the supervisor representing the enterprise (organization)
about the work of the student passing on-the-job training
(at the end of the practice)**

The student has been passing practical training for _____ months.

The amount of payment (monthly)

Date of secondment from the place of practice _____ 20____.

Place pf stamp **Signatures**

Time of the report submission to the department

Review of the practice supervisor from the Department

Supervisor

of the practical training _____ (_____)

print full name

_____ 20____.

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
Federal State Budgetary Educational Institution
of Higher Education

«I. N. Ulianov Chuvash State University»
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Medical faculty

Department _____

PRACTICE DIARY;

Speciality _____

Type of practice

name of the practical training according to the curriculum

Student _____

Last name First Name Patronymic in full

Group _____ **Course** _____

**Place of passing the practical
training** _____

name of the organization – practice base

Time frame of passing the practical training from _____ **20** _____ **to**
_____ **20** _____

**Head of practical training representing the
FSBEI of HE «I.N. Ulianov Chuvash State University»** _____

**Head of practical training representing the
Organization** _____

Continuation of Appendix 2. Diary of the work done for each day and sanitary and educational work

DAIRY OF PRACTICAL TRAINING OF THE 3RD YEAR STUDENT OF THE MEDICAL FACULTY

Diary of completed work for each day

| Date | Full name and age of the patient | I or II | Complaints | History of disease | Objective data | Diagnosis: | Treatment plan |
|------|----------------------------------|---------|------------|--------------------|----------------|------------|----------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SANITARY AND EDUCATIONAL WORK

| Date | The name of the lecture, conversation, conducting "health lessons", etc. |
|------|--|
| | |
| | |

Appendix 3. Student's report on practical training

MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA
Federal State Budgetary Educational Institution
of Higher Education
«I. N. Ulianov Chuvash State University»
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

STUDENT'S REPORT ON PRACTICAL TRAINING

for the _____ semester of 20____/20____ academic year

Full name _____

Group_____Year of study _____Department_____

Speciality _____

Mode, type of practice

1. Place and time frame of practical training

| <i>Practice base</i> | <i>Department/ Office</i> | <i>Execution period</i> |
|----------------------|---------------------------|-------------------------|
| | | |
| | | |

2. Student's summary report on practice (acquired knowledge, skills, practical skills)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Student's signature _____

Continuation of Appendix 3. Summary report on the work done

| № | List of basic skills | It is necessary to perform: | Completed |
|----------|---|------------------------------------|------------------|
| 1. | Number of days worked | 12 | |
| 2. | Accepted patients including first-time comers | 20 – 25 10 – 15 | |
| 3. | Determining the condition of the hard dental tissues using the CFE, cfe, cf indices of teeth and surfaces | 20 – 25 | |
| 4. | Determining the hygienic state of the oral cavity using indices | 20 – 25 | |
| 5. | Determine the condition of periodontal tissues using periodontal indices | 20 – 25 | |
| 6. | Vital staining of enamel demineralization foci | 20 – 25 | |
| 7. | Remineralizing therapy | 20 – 25 | |
| 8. | Covering teeth with fluoride-containing varnish and gel | 20 – 25 | |
| 9. | Professional oral and dental hygiene: in total including A) with orthopedic structures B) with orthodontic structures | 20 – 25 7 – 10 7 – 10 | |

Appendix 4 Feedback about the student's work

Name of the organization – practice base

Feedback on the student's work at the end of the practical training period

[illegible]

_____ 20 _____. _____ (_____)

Place for a stamp

Appendix 5. Application

To the Rector of FSBEI of HE

"I. N. Ulianov Chuvash
State University"

A.Yu. Aleksandrov

from the student of the _____ course, _____ group
faculty _____
of budget (contract) form of training

(Full name)

Phone number 8(____) _____

application

I request to let me pass (educational, on-the-job) practice
(underline as necessary)

« _____
(full name of the practical training)

_____»
in (work plan of the practical training, individual assignment)
(underline as necessary)
at _____ the _____ base _____ of
(full name of the organization - practice base)

from _____ 20 . to _____ 20.

_____ 20 _____.
the signature)

(student's signature)

(transcript of

Head of the department _____
(signature)

(transcript of the signature)

Supervisor of practical training representing the Department _____

signature)

(signature)

(transcript of the

Appendix 6. Individual assignment

MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
Federal State Budgetary Educational Institution
of Higher Education
«I. N. Ulianov Chuvash State University»

INDIVIDUAL ASSIGNMENT

Full name of the student

Direction of training (specialty) _____

Full time mode of study, group _____

Mode, type of practice _____

Time interval of passing the practical training from _____ 20____ to _____
_____20____.

Name of the relevant organization – _____

The purpose of the passing the practical training is to deepen theoretical training and consolidate practical skills in the discipline "Preventive Dentistry" directly at the workplace.

The objectives of the practical training are to obtain and further deepen the knowledge and skills acquired at various stages of training at the university; to form medical thinking in students that ensures solving professional tasks; to identify and eliminate risk factors for dental diseases in patients; to train in filling out medical documentation; to familiarize students with the social environment of the organization in order to acquire socio-personal competencies necessary for work in the professional field; to master the basic principles of ethics and deontology.

Content of the practical training (issues to be studied):

1. _____
2. _____
3. _____

Planned results:

Head of practical training
representing the FSBEI of HE «I.N. Ulianov Chuvash State University»

AGREED BY:

Head of practical training
representing a relevant organization _____/_____/

The assignment is for execution

Trainee _____/

Appendix 7. Working schedule (plan) of conducting the practical training
MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
Federal State Budgetary Educational Institution
of Higher Education
«I.N. Ulianov Chuvash State University»

WORKING SCHEDULE (PLAN) OF CONDUCTING THE PRACTICAL TRAINING

Full name of the student

Direction of training (specialty) _____

Full time mode of study, group __ _____

Mode, type of practice _____

Time interval of passing the practical training from ____ _____ 20____ to ____
_____20____.

Supervisor of practical training representing the University _____
Full name, position, academic title

Name of the relevant organization – _____

Supervisor of practical training from a relevant organization _____/_____
Full name, position

| № paragraph | Time frame of conducting | Planned works |
|--------------------|---------------------------------|---|
| 1. | | Coordination meeting |
| 2. | | Safety briefing. |
| 3. | | Site tour |
| 4. | | Performing an individual assignment: |
| 5. | | Lectures (if necessary) |
| 6. | | Consultations |
| 7. | | Preparation and submission of the practice report |

Trainee _____/

Head of practical training
representing the FSBEI of HE «I.N. Ulianov Chuvash State University»

Head of practical training
representing a relevant organization _____/_____
_____/_____

ACKNOWLEDGEMENT FORM
with the requirements of labor protection, safety, fire safety, with the rules of internal labor regulations

Trainee

family name

name

patronymic name

speciality

code and name of speciality

during the period of on-the-job (clinical) practice

to

name of the practical training according to the curriculum

from

20

to

20

date

month

year

date

month

year

in

name of organization

passed instruction on introductions to the requirements of:

- ✓ occupational safety and health at the workplace,
- ✓ safety rules,
- ✓ fire safety;

got to know the rules of internal labor regulations.;

Briefings and familiarization were conducted:

Head of practical training

representing a relevant organization _____/_____

I have passed the briefings, I am familiar with the rules:

Trainee _____/_____

Date of passing _____ 20____