

GRADE: VIII
SUBJECT: OVT

READING SECTION: 1

Chapter 1: Profession and its levels

Profession:

Profession is an occupation that requires education as well as specialized training. People adopt different professions when they acquire necessary level of education and training. Examples: teaching, engineering, doctor, pilot etc. It is different from job.

Three levels of profession:

Basic level

- It requires less time for training, less qualification, skill and knowledge.
- For example, auxiliary health worker, farmer etc.

Medium level

- It requires more time for training, more qualification, skill, knowledge than basic level.
- For example, health assistant, junior technician etc.

High level

- It requires more time, high level of qualification, skill and knowledge than medium level.
- For example, doctors, agricultural experts etc

Professional education

Professional education is the educational program that improves the knowledge, skills and attitudes in different field for their livelihood.

Exercise 1:

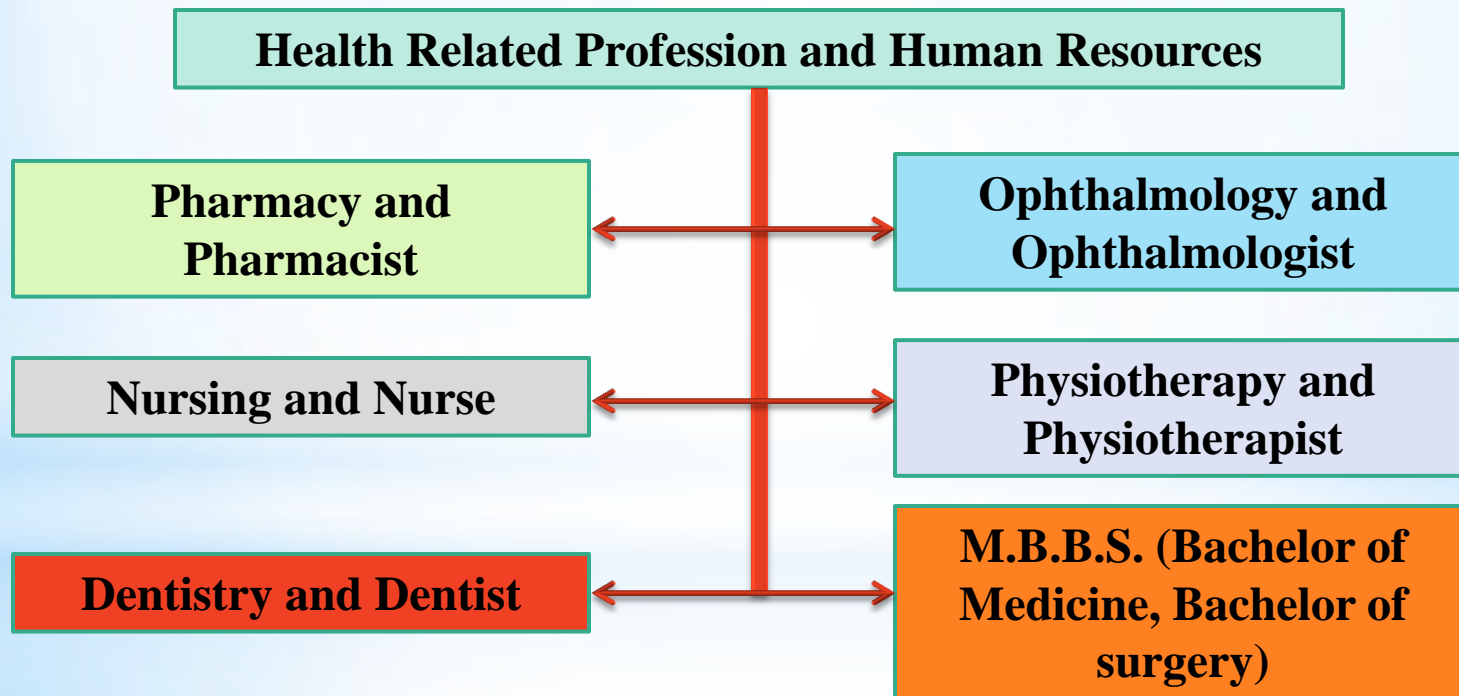
1. Answer the following questions:

- a. Define the term profession and professional education.
- b. What factors are responsible for one's choice of profession?
- c. Describe briefly the different levels of profession with examples.

READING SECTION:2

Chapter 2: Health Related Profession and Human Resources

The medical profession is an extremely broad profession which includes many areas of specialization.



Profession and Human Resources	Qualification	Importance
<p>1. Pharmacy and Pharmacist: Pharmacy is the part of health profession that links health science with chemical science. The people who work in this sector after acquiring degree of pharmacy are called pharmacists. They give medicines and tell us how to take them for desired effects but they cannot prescribe medicines. Pharmacy is studied in Nepal as Diploma course and Bachelor level course.</p>	<ul style="list-style-type: none"> ➤ Diploma course – one who wants to study diploma in pharmacy must pass SEE (class 10) in second division. This course completes in three years. ➤ Bachelor Level – One has to pass 10+2 or certificate level in science to study bachelor in pharmacy. this course completes in four years. 	<p>Only the pharmacist can produce and sell the medicine. Pharmacists provide information about medicine and way of using medicine as per the doctor's prescription.</p>
<p>2. Ophthalmology and Ophthalmologist: The branch of science that deals with the study of eyes and its disease is called Ophthalmology. The people who study this and are involved in this medical profession are called ophthalmologist.</p>	<ul style="list-style-type: none"> • A person with 50% in +2 or certificate level in science is eligible to study the course of Ophthalmology. • This is four years bachelor program. 	<p>Ophthalmologist help in the identification, treatment and prevention of eye problems.</p>

Profession and Human Resources	Qualification	Importance
<p>3. Nursing and Nurse:</p> <p>The profession of looking after the sick or injured people with the guidelines of doctors is called nursing. The people involved in such sectors are called nurse. There are two ways of getting nursing education.</p>	<ul style="list-style-type: none"> ➤ One is eligible to join the course of staff nurse after passing SEE (Class -10). It is three years' course. ➤ After completing the course of staff nurse, one is eligible to do bachelor of nursing (BN), a two year's study program. After that, BN can join Master in Nursing (MN), a two years study program. ➤ Another program of nursing is B.Sc. Nursing, a four years' study program. One is eligible to join this course after completing +2 or certificate level in Science with biology as a major subject. 	<p>Nurses help in taking care of patients. Nurses assist doctors and implement the instructions they are given. The major duty of a nurse is to take care of patients regularly with doctors guidelines.</p>

Profession and Human Resources	Qualification	Importance
<p>4. Physiotherapy and Physiotherapist: Physiotherapy is the health related profession concerned with the treatment of dysfunctional human's organs through regular therapy. The people involved in this profession are called Physiotherapist. They train the patients to do exercise prescribed by the doctors.</p>	<p>One is eligible to study physiotherapy after completing +2 or certificate level in science with minimum 50%.</p>	<p>Human's body any part sometime may not function properly due to different kinds of injuries or health problems. In such condition, physiotherapist can teach therapy to the patients according to the guidelines of doctors.</p>
<p>5. Dentistry and Dentist: Dentistry is the health profession that deals with the identification, prevention and cure of the diseases. The people involved in this profession are called dentist.</p>	<ul style="list-style-type: none"> ❖ One is eligible to study diploma in dentistry after SEE (Class10), which is a three years study program. ❖ Another course, a graduate level known as Bachelor of Dental Surgery BDS, five and half year study program including one years' of internship. ❖ One can join BDS after +2 or certificate level in Science with major Biology. 	<p>Dentistry has an important role in the medical field as it deals with diverse dental problems.</p>

Profession and Human Resources	Qualification	Importance
<p>6. M.B.B.S. (Bachelor of Medicine, Bachelor of surgery): Bachelor of Medicine and Bachelor of Surgery is the professional undergraduate degree awarded upon graduation from medical school of medicine and surgery. A doctor is a person who has studied MBBS and received the academic certificate.</p>	<p>One is eligible to study MBBS after completing +2 levels or the certificate level in science or G.C.E.'A' level or similar level in Biology with minimum 50%. Generally M.B.B.S. needs four and half year's course and one year internship. After the one year internship, one has to pass the exam of Nepal Medical Council to practice as a doctor in Nepal. To get specialization, one can join two years additional study called M.D.</p>	<p>Importance – The major job of doctor is to provide medical treatment to the people. They have a major role in curative, promotive and preventive health services.</p>

Exercise 2

1. Answer the following questions:

- a. What does a pharmacist do in medical sector?
- b. What are the major duties of a nurse?
- c. What is the major work of a dentist?
- d. What are the roles of doctors in our society? Explain.
- e. 'Medical profession is a very sensitive profession.' Give reason.

READING SECTION:3

Chapter 3:Engineering Related Profession and Human Resources

- ❑ The profession involving technical designing is known as engineering related profession. There are various professionals related to engineering sector such as architectural engineering, computer engineering, electronic engineering, electric engineer etc. Those professionals differ in terms of their specialization.
- ❑ An engineer is a one who inspects and supervises constructions applying the standard and quality measurement.
- ❑ A person is eligible to study engineering after the completion of the +2 level or the certificate level in science majoring Physics and Mathematics.

Architecture:

It is simply a field of engineering mainly concerned with the art and designing of structures. An architect is a person who plans, designs and oversees the constructions.

Importance:

Engineering profession deals with activities of designing, measuring and examining of the structures. Engineers have contributed a lot in the development of nation. They resolve technical problems that arise while creating the foundation of major development structures. They enrich constructions with durability and strength.

Exercise 3

1. Answer the following questions:

- a. Differentiate between engineering and architecture in two points.
- b. What qualifications are required to join courses in engineering and architecture?
- c. Write the importance of engineering field in the development of the nation.

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