

### School of Health Science

Bharatpur-10, Chitwan, Nepal



## STUDENTS LOG BOOK ON SUMMER PLACEMENT



### **School of Health Science**

Bharatpur-10, Chitwan, Nepal

### **Students Log Book on Summer Placement**

Name of	student:		
ID Numbe	r:		
CTEVT R	egd. Number :		
Faculty:			
Summer F	Placement		
Sta	arting date :		
En	ding date :		
	Working days :		
	PCL in General Medicine	:	60 working days
	PCL in Medical Laboratory Technology	:	28 working days
	Diploma in Pharmacy	:	28 working days

**Greeting from School of Health Science** 

I am very pleased to tell you that SOHS is continuously striving to provide quality

education at affordable fee. We are moving towards to develop School of Health

Science as the Hub for PCL level institution. Master plan & Five year strategic plan

has been developed, parameters are analysed & standards are identified to perform

in coming five years to make SOHS as the model TVET school.

To move towards our vision & to perform our mission, we found poverty is one barrier

among many others. To mitigate such barriers we are providing subsidy fee quota for

more than 70% students.

This logbook is one of the standard for quality education. I wish this will be helpful for

my students, teachers, facility faculty & all stakeholders.

With the best regard,

Achyut Raj Dahal

Principal

# This report on Summer Placement has been approved

Name of student :			
Student ID Number :			
CTEVT Regd. Number :			
For partial fulfilment of PCL in Ge	neral Medicine / M	Medical Laboratory Technology	1
Diploma in Pharmacy this report h	as been approved.		
HoD		Date:	

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# I

## Introductory Part

- 1. Objectives of Summer placement
- 2. Format of History taking
- 3. Format of Physical Examination

### PCL in General Medicine

### **Clinical Practice in hospital setting:**

After completion of second year theory and simulation practice, student will be placed in 48 working days (48\*7=336 hours) clinical practice in hospital setting.

### Objective:

The students would be able to

- 1. History taking
- 2. Physical examination:
  - a. General examination
  - b. Systematic examination
- 3. Provisional diagnosis
- 4. Differential diagnosis
- 5. Investigation:
  - a. Laboratory and radiological
- 6. Final diagnosis
- 7. Management
  - a. Treatment
  - b. Referral
  - c. Rehabilitation
  - d. Prevention and control measures
  - e. Follow up

Note: Each student will perform a minimum of 10 history taking, physical examination with provisional diagnosis, differential diagnosis, final diagnosis and case management in detail.

Students would be able to learn by self study, group discussion and problem based learning.

### **Community Practice in Community (School) setting:**

After completion of second year theory and simulation practice, student will be placed in 12 working days (8 days program, 2 days report writing and 2 day presentation) in community practice in community (school) setting. Minimum 6\*12=72 hours.

#### Objective:

Student will perform following activities:

- 1. Observe source of drinking water and recommend making sanitary. E.g. Chlorination, sodish technique and other available techniques.
- 2. Observe methods of excreta disposal and conduct health education session on sanitation barrier/sanitary latrine.
- 3. Evaluate nutritional status of school children: shakirtape, height and weight method.
- 4. Evaluate personal hygiene status of school children and conduct health education session.

Students would be able to learn by self study, group discussion and problem based learning.

### **PCL** in Medical Laboratory Technology

After completion of second year's theory and simulation practice, student will be placed for 28 working days clinical and laboratory practice in health post / PHCC / hospital setting to understand laboratory procedure, first aid treatment and to apply the comprehensive knowledge and skill on hospital and laboratory setting.

#### Objective:

- 1. To maintain confidence on laboratory practice and management of laboratory hazards.
- 2. To measure temperature, pulse rate, respiration rate, blood pressure of human volunteers.
- 3. To identify signs and symptoms of common emergency problems and their management.
- 4. To apply first aid treatment for common problems.
- 5. To apply routes of drug administration (IV, IM, SC, ID)
- 6. To interpretate prescription.

Student will learn by self study, group discussion, peer education, by facility staff and problem based learning.

### **Diploma in Pharmacy**

After completion of second year theory and simulation practice, student will be placed for 28 working days clinical pharmacy practice in hospital setting to understand pharmacotherapeutics, first aid treatment and to apply pharmacy skill in contribution of PHC activities

### Objective:

- 1. To explain principles of pharmacotherapeutics and drug safety.
- 2. Rational use, counselling, adverse drug management of following durgs:
  - i. Gastrointestinal drugs
  - ii. Cardiovascular drugs
  - iii. Drugs used in respiratory system
  - iv. Antimicrobials.
- 3. To measure temperature, pulse rate, respiration rate, blood pressure of human volunteers
- 4. To identify signs and symptoms of common emergency problems and their management
- 5. To apply first aid treatment for common problems
- 6. To apply routes of drug administration (IV, IM, SC, ID)
- 7. To interpretate prescription

Student will learn by self study, group discussion, peer education, by facility staff and problem based learning.

# School of Health Science Format of History Taking

Bharatpur, Chitwan

CourseSubjectYearArea of Practice-Medical/Surgical
Students nameFull MarkPass MarkStudents mark-

Darsonal information of the client

Date-

### **PATIENTS ASSESSMENT**

Direction: Each student must perform history taking of 5 patients admitted at medical/ surgical ward followed by physical examination.

### A. History

١.	Personal information of the chefit
	Name:
	Date of Birth/age in completed years:
	Sex:
	Address:
	Religion:
	Occupation:
	Education:
	Economic Status: Adequate/Inadequate to family expenses
	Marital Status:
	If married No. of children:
	Diagnosis:
2.	Chief Complains in patient's own words (Onset, Frequency, Severity, Duration)

3.	History	of prese	nt illness:
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S.N.	Problem	Onset/ Date/Time	Frequency/ Duration	Severity	Aggravating Factors (If Any)	Alleviating Factors (If Any)	Remarks
1.							
2.							
3.							

	4	Anna Allina
HIS A.	-	of past illness Idhood illness: (Diarrheal diseases, Measles, Mumps, Malnutrition, Tuberculo
Λ.		nus, Acute Respiratory Infections (ARI), Polio, others
В.		nunization if applicable:
	а.	BCG
	b.	Pentavalent (DPT, Hib, Hep. B)
	C.	Measles (complete/incomplete)
	d.	TT (complete/incomplete)
Pre	vious	s hospitalization: (Yes/No) - If yes, reason for hospitalization
Pre	vious	
Pre	vious	s hospitalization: (Yes/No) - If yes, reason for hospitalization
Pre	vious	s hospitalization: (Yes/No) - If yes, reason for hospitalization
Pre	vious	s hospitalization: (Yes/No) - If yes, reason for hospitalization

#### a. Maternal Family

- High Blood Pressure
- Diabetes
- Cancer
- Cardiovascular Disorder
- Respiratory Disorder
- Blood Disorder
- Muscular Skeletal Disorder
- Others

### b. Paternal Family

- High Blood Pressure
- Diabetes
- Cancer
- Cardiovascular Disorder
- Respiratory Disorder
- Blood Disorder
- Muscular Skeletal Disorder
- Others

Family Tree (mention three generations)

### 9. Personal History

- Habits: smoking / drinking / drugs: (Yes/No) specify
- Frequency: .....
- Amount:
- If quitted, mention time:

### 10. Menstrual and Obstetric history (In female patient if applicable)

- Age of menarche:
- Blood Flow:
- Regularity: .....
- Associated problems: ......
- Abortion history (if yes how many & causes):
- Number of live birth:
- Place of delivery:
- Still birth:
- If Menopause, Specify the age:

#### 11. Dietary Habits

- Vegetarian/Non vegetarian:
- Types of usual diets/number of meals taken in a day: .....
- Food allergies if any: .....

Urine  - Colour: - Frequency: - Amount:  Stool - Colour: - Consistency: - Amount:  13. Personal Care Habit: - Oral care: - Nail care: - Nail care: - Nail care: - Nail care: - Night:  14. Rest Habit/Sleep Habit in hours - Day: - Night:  15. Recreational Habit: (Watching TV, Listening music, Playing games, Visiting, etc.) Others if any: - Others if any: - Total number of family members: - Number of rooms in home: - Ventilation (adequate / inadequate): - Separate kitchen (Yes/No): - Type of fuel used in cooking: (gas/kerosene/electric heater, etc) - Source of drinking water: (pipe water, well, tube well, filter, rain, jar, bottle water etc.) - Types of toilet used (Open/pipe drainage, safety tank)	12.	Elimination	on Habit			
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			_			
Types of drainage (Open/pipe drainage, safety tank)						
		Турсо	or drainage (O	perinpipe dramage, salety taliki		
17. Health Practices	17	Health Pr	actices			
- Traditional healer						

- Ayurvedic medicine
- Allopathic medicine
- Homeopathic medicine
- Self medication
- Ethno medicine

# **School of Health Science Format of Physical Examination**

Bharatpur, Chitwan

Course-Students name-Full Mark-Subject-Year-Pass Mark-Area of Practice-Medical/Surgical Students mark-Date-**PATIENTS ASSESSMENT** Direction: Each student must perform physical examination of 5 patients admitted at medical/surgical ward. **B. Physical Examination** A) General Inspection: State of consciousness: alert / drowsy / non responsive: disoriented Gait: balanced / limping (spastic, haemeparalytic, ataxic, parkinsonism) Posture: erect. stopped, etc. Nutritional status: well nourished / under nourished / obese General build: Facial expression: relaxed / tense / sad / grimacing Hygiene state: Speech: normal, slurred, hoarsesness, B) **Measurement:** Height: ..... Weight: ..... Body Temperature: ..... Pulse: ..... Respiration: Blood Pressure: C) Examination of Head, Face and Neck: Inspect head for: Color and texture of hair: Cleanliness: Pediculosis:

Abrasions / injuries / other

	Palpate head for:
	mass/nodules:
	facial pulse:
	Inspect and palpate forehead for:
	frontal sinuses:
1)	Inspect eyes for:
	Swelling of eyelids:
	Squint eyes:
	Eyebrows distribution:
	Eye lashes:
	Discharge:
	Color of sclera / conjunctiva:
	Corneal/lens opacity:
	Pupil size/reaction of light:
	Eye movement:
	Vision problem:
	Corneal Reflex:
	Palpate eye for:
	Nodules:
2)	Inspect ears for:
•	Appearance:
	Discharge, pain, bleeding:
	Wax/redness of external auditory canals:
	Hearing problem:
	Foreign body:
	Palpate ear for:
	Lymph node (preauricular and post auricular):
	Tenderness:
	Lateralization Bone Conduction (AC/PC):
۵.	
3)	Inspect nose for:
	Location, size of nostrils, Flaring, foreign body:
	Discharge:
	Blockage:
	Bleeding:
	Septal defect:
	Problem with smelling:
	Maxillary sinus:

4)	Inspect mouth for: Color of lips/Color of mucous membranes:
	Sores/cracks on lips:
	Sores/cracks/swelling/bleeding/painful gums/tongue:
	Dental carries/missing teeth/dentures/bridge/color of teeth:
	Enlargement of tonsils:
	Oral Hygiene, gag reflex:
	Palpate for lymph Node (Submandibular, sub maxillaryl):
<b>5</b> \	Inchest week faw
5)	Inspect neck for:
	Mobility, Stiffness:
	Palpate neck for:
	Lymph nodes:  (Superficial continual lymph node, Supraglavical and subglavical lymph)
	(Superficial cervical lymph node, Supraclavical and subclavical lymph)
	Thyroid gland, Jugular vein, Carotid Pulse:
	Back of Neck (Swelling, lump):
D)	Examination of Chest:
D)	Inspect Chest for:
	•
	Size shape (normal, barrel, pigeon, funnel, kyphoscoliosis):
	Symmetry, location of sternum:  Equal movement of chest during breathing:
	Difficulty in breathing:
	Coughing Reflex:
	Paravasian
	Percussion:
	Auscultate the chest for:
	Breathing sounds (anterior and posterior):
	Normal (Vesicular breathing sound, Bronchial breathing sound, Bronchial
	breathing sound, Bronchovesicular sound, Tracheal sound):
	Abnormal (Adventitious, Crackles, Wheezing, rhonchi):
	Heart sound (4 areas)
	Aortic:
	Pulmonic:
	Tricuspid:
	Mitral:
	Chest percussion (anterior and posterior):
	Palpate Chest for:
	Tenderness:
	Lumps:
	Cuesting expansion.

E)	Inspect breasts for:
	Symmetry, size, swelling:
	Condition of nipple:
	Retraction, dimpling, cracks:
	Discharge from nipples:
	Palpate Breast for:
	Abnormal masses, Lump, swelling, tenderness:
	Abriornal masses, Lump, swelling, tenderness.
F)	Examination of Breast (in male client)
- /	Inspect for Gyanecomastia:
	Palpate Breast for:
	Abnormal masses, Lump, swelling, tenderness:
	, lenomal masses, early, evening, tenaemose
G)	Examination of Abdomen
	Inspect the abdomen for:
	Size:
	Shape:
	Scars:
	Enlarged veins:
	Swelling:
	Ausculate for:
	Bowel sounds:
	Abdominal percussion:
	Air/Fluid:
	Palpate the abdomen for:
	Tenderness:
	Masses:
	Enlarged Liver:
	Enlarged spleen:
	Kidney:
	Superficial abdominal reflexes:
	Ohin Ingagestion
H)	Skin Inspection
	Color:
	Excessive sweating:
	Dehydration:
	Hair distribution:
	Patches:
	Lesion:
	Edema:
	Scar, injury, wound:

	Palpate Skin:
	Temperature:
	Texture:
	Edema:
I)	Examination of Limbs
	Inspect limbs for:
	Joint mobility, tenderness, redness, swelling, temperature:
	Texture of skin, elasticity, bone deformity:
	Color of nail, sensation, coldness/numbness of fingers, extra digits:
	Palpate axilla, groin for lymph nodes:
	Muscle strength:
	Co-ordination of movement, brachial, radial, ulnar pulse in upper limbs:
	Femoral, popliteal, posterior tibial, dorsal pedis in lower limbs:
J)	Examination of Female Genitalia
	Inspect the female genitalia for:
	Colour of labia majora, minora, swelling, sore, warts, vaginal prolapse:
	Vaginal discharge bleeding:
	Perineal hygiene:
K)	Examinatio of Male Genitalia
	Inspect the male genitalia for:
	Position of meatus, scrotal size, redness, Swelling:
	Sore, lump, wart:
	Discharge:
	Perineal hygiene:
L)	Inspect rectum for
	Haemoroids, warts, birth mark, prolapse, fistula:
M)	Reflexes
	Bicep:
	Tricep:
	Kneejerk:
	Achllis:
	Planter:
N)	Examination of Back
,	Inspection back for:
	Condition of skin (prone to bedsore):
	Position of spine, chest movement:
	(Assessment of back chest can be done at this time)

# II

## Assignment Part

- 1. Introduction of facility organization
- 2. Organogram and staffing of facility organization
- 3. Functions & activities of facility organization
- 4. Daily Diary

1.	Introduction of Facility Organization

۷.	Organogram & Staming of Facility Organization

3.	Functions & Activities of Facility Organization

### 4. Daily Diary

S. No.	Date	Day	Skills learnt	Sign. of H Institution	Remarks
No.	Date	Day	OKIIIS IEBITIL	Institution	Remarks
1		1			
		1			
2		2			
3		3			
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4		4			
		<u> </u>			
5		5			
6		6			
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10		10			
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11		11			
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12		12			
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S. No.	Date	Day	Skills learnt	Sign. of H Institution	Remarks
13		13			
14		14			
15		15			
16		16			
17		17			
18		18			
19		19			
20		20			
21		21			
22		22			
23		23			
24		24			

S. No.	Date	Day	Skills learnt	Sign. of H Institution	Remarks
25		25			
26		26			
27		27			
28		28			
29		29			
30		30			
31		31			
32		32			
33		33			
34		34			
35		35			
36		36			

S. No.	Date	Day	Skills learnt	Sign. of H Institution	Remarks
37		37			
38		38			
39		39			
40		40			
41		41			
42		42			
43		43			
44		44			
45		45			
46		46			
47		47			
48		48			

S. No.	Date	Day	Skills learnt	Sign. of H Institution	Remarks
49		49			
50		50			
51		51			
52		52			
53		53			
54		54			
55		55			
56		56			
57		57			
58		58			
59		59			
60		60			

# III

### Evidence Part

- 1. At least 10 case studies
- 2. Activities on community
- 3. Photographs
- 4. Letters by facility organization
- 5. Conclusion & recommendation by student

### Case Study No. 1

### A. History Taking


B.	Patient Examination

C.	Investigation

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D. Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease	

# **B.** Patient Examination

C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease


B.	Patient Examination

C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

**B.** Patient Examination

C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G. Socioeconomic effect on patient due to disease					

# **B.** Patient Examination

C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

**B.** Patient Examination

C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

B.	Patient Examination

C.	Investigation

D.	. Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

B.	Patient Examination

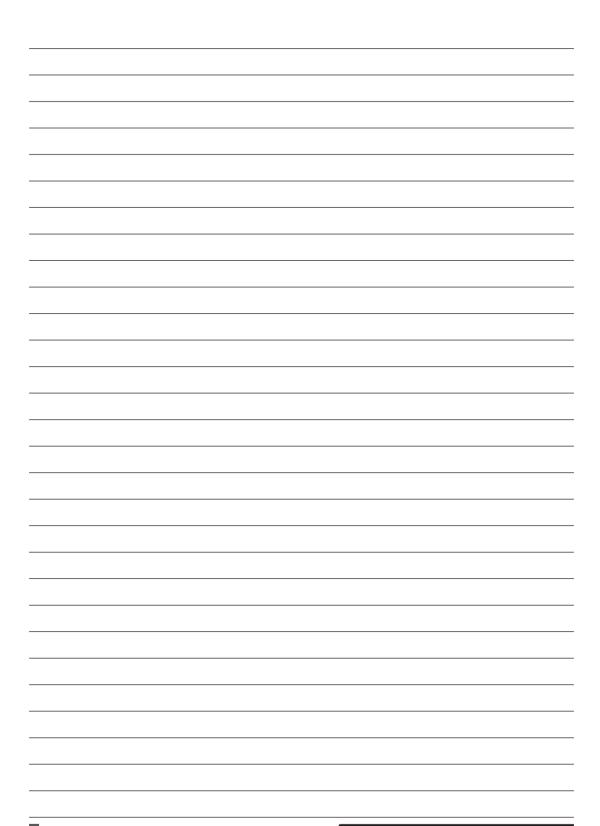
C.	Investigation

D.	Provisional diagnosis

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease


B.	Patient Examination



C.	Investigation

D.	Provisional diagnosis

# E. Treatment done

F.	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

# Case Study No. 10

### A. History Taking


# **B.** Patient Examination

C.	Investigation

D.	Provisional diagnosis

# E. Treatment done

F	Prognosis of patient

G.	Socioeconomic effect on patient due to disease

# **Activities on community**

1.	Briefly describe the community where you worked.

2.	what is water supply system in the what did you do for them?	at community? If w	ater is not safe,

3.	Education on sanitary latrine & sanitation barrier.	conduct	Health

4.	Briefly describe condition of nutritional status of school children & you intervention to solve.

5.	to solve.

# **Photograph**

Paste photograph as evidence on this page.

# Letters by facility organization

Please paste letter you achieved; like letter by facility organization, letter by

school etc.	

## **Conclusion & Recommendation**

# IV

Writing Pad

Notos	Date:
Notes:	

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## **School of Health Science**

### **About Us**

School of Health Science is CTEVT constituent school, established at Bharatpur-10 Chitwan, Nepal in 1997. It is approximately 180 KM southwest from Kathmandu (capital of Nepal) by road and is well connected with air transport. The building premises of former Institute of Medicine ANM campus Bharatpur was renovated by Republic of Korea through Korean International Cooperation Agency (KOICA), inaugurated on Tuesday 4th February 1997 (2053/10/12 BS) and dedicated to Nepal Government on 2nd December 1997 (2054/08/17 BS). At the same time KOICA has provided teaching learning material, equipment and other physical facilities. The school started instructional activities from March 1st, 1997 (2054/11/17 BS) with 50 students of PCL in General Medicine. From 1997 to 2005 the school was managed by joint cooperation between CTEVT and Korean NGOs. Now it is managed by School Management Board chaired by Chief District Officer of Chitwan.

Under the CTEVT umbrella, this is the first school in Nepal to produce certificate level manpower for health sector. Currently the school is offering certificate level course in three distinct health science viz. General Medicine, Medical Laboratory, Pharmacy and Ophthalmic Science.

### Vision

School of Health Science is recognized as a "Centre of Excellence" in producing competent health professionals in Nepal.

### Mission

School of Health Science produces competent and confident skill health workforce required for the promotion and development of quality health services in Nepal.

### Goals

- Run quality Medical and Allied Health Courses
- Develop TVET Medical and Allied Health Course Hub.
- Generate Income
- Develop Academic and Carrier Counselling Services
- Develop and maintain physical infrastructure
- Provide Community services