



# SNS COLLEGE OF NURSING COIMBATORE-641 035



## DEPARTMENT OF NURSING PATHOLOGY I & II AND GENETICS

### UNIT - I

#### Pathology - Unit I: Puzzle 1 (Word Search) — Student Copy

Find the listed words in each grid. Words may be placed horizontally or vertically. Do NOT use diagonal placements.

#### Kidneys & Urinary Tract

Find the words: PROTEINURIA, HEMATURIA, DIALYSIS, CASTS, AZOTEMIA

Q	I	E	X	L	R	V	K	U	B	C	N
Q	K	D	I	A	L	Y	C	A	S	T	S
H	Z	X	E	S	K	W	C	K	M	Z	F
E	V	R	O	V	U	M	G	J	H	R	C
M	V	I	N	E	F	H	A	E	X	F	A
A	B	A	H	K	P	L	X	T	Q	E	E
T	E	F	R	U	Z	J	X	X	J	S	B
U	R	E	K	O	Q	B	K	H	E	A	I
R	O	J	O	T	B	J	Y	K	F	A	S
I	H	W	L	A	M	M	N	E	N	K	A
A	X	D	L	U	O	X	S	U	Z	M	D
M	P	R	O	A	Z	O	T	E	M	I	A

#### Pathology - Unit I: Puzzle 3 (Match the Pair) — Student Copy

Match the items in column A with the correct descriptions in column B. Write the letter of the matching description next to the number.

#### Kidneys & Urinary Tract

Column A	Column B (Descriptions)
1. Glomerulonephritis	E. Sudden loss of kidney function leading to oliguria and azotemia
2. Pyelonephritis	B. Presence of stones in the urinary tract causing colic
3. Renal Calculi	A. Infection affecting the renal pelvis and interstitium, often with fever and flank pain
4. Cystitis	D. Immune-mediated inflammation of glomeruli causing proteinuria and hematuria
5. Acute Renal Failure	C. Inflammation of the bladder, typically with dysuria and frequency

4. Case Puzzle: Patient with flank pain + fever + pus cells in urine → \_\_\_\_\_

5. Flowchart Completion: Fill in the stages of renal failure.



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### Male Genital System

Find the words: ANDROGEN, INFERTILITY, HYPERPLASIA, MALIGNANCY, BPH

K	P	X	D	O	B	J	O	X	S	C	I
F	H	F	P	M	C	Y	T	H	V	H	P
K	Y	H	F	A	Y	K	Y	V	Y	J	Y
O	P	Y	A	L	O	W	X	E	G	F	N
E	E	T	R	I	N	S	D	M	F	X	L
I	R	F	E	G	T	I	L	I	T	Y	B
P	P	C	R	N	B	B	P	H	M	M	P
B	L	X	R	A	N	Z	V	N	D	K	D
D	A	P	R	N	Y	W	C	J	C	E	P
Z	S	A	N	C	R	O	G	E	N	W	L
Q	I	V	U	Y	H	R	C	E	T	K	F
V	A	R	Y	E	X	E	E	Y	I	K	P

### Male Genital System

Column A	Column B (Descriptions)
1. Cryptorchidism	D. Inflammation of the epididymis is often due to infection, causing scrotal pain
2. Testicular Atrophy	E. Non-malignant enlargement of the prostate causing urinary obstruction
3. Benign Prostatic Hyperplasia (BPH)	C. Chronic shrinkage of testicular tissue leading to reduced function
4. Prostatic Carcinoma	B. Failure of the testis to descend into the scrotum
5. Epididymitis	A. Malignant tumour of the prostate may present with nodules on exam

4. Case Puzzle: Elderly man with urinary retention + nocturia → \_\_\_\_\_

5. Diagram Labelling Puzzle: Label the male reproductive organs with affected sites.



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### Female Genital System

Find the words: DYSMENORRHEA, AMENORRHEA, MALIGNANCY, TUMOR, INFERTILITY

D	M	F	G	A	A	Z	G	E	S	M	N
M	A	L	I	G	N	I	N	C	Y	T	Q
D	T	S	M	E	N	N	R	R	H	E	A
A	U	R	V	V	X	F	T	G	L	E	K
O	M	U	M	U	T	E	J	Q	K	N	Y
Z	O	X	J	G	L	R	K	B	M	M	S
I	R	F	D	S	H	T	M	C	R	W	Z
N	X	I	J	O	G	I	J	C	W	I	A
V	O	W	V	I	W	L	M	G	N	D	T
Z	A	M	E	N	O	I	R	H	E	A	E
C	D	K	S	E	B	T	K	R	X	Y	K
Y	O	W	N	O	T	Y	O	X	M	J	X

### Female Genital System

Column A	Column B (Descriptions)
1. Uterine Fibroid (Leiomyoma)	E. Malignant tumour of the uterine lining presenting with postmenopausal bleeding
2. Carcinoma Cervix	C. Malignancy associated with HPV, detected by Pap smear
3. Endometrial Carcinoma	A. Abnormal proliferation of trophoblastic tissue after abnormal fertilisation
4. Vesicular Mole (Hydatidiform Mole)	B. Benign smooth muscle tumour of the uterus, often causing menorrhagia
5. Ovarian Cyst	D. A fluid-filled sac on the ovary may be functional or pathological

4. Case Puzzle: Woman with postmenopausal bleeding → \_\_\_\_\_

5. Flowchart Puzzle: Fill in the pathogenesis of cervical cancer.



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### Breast

Find the words: LUMP, NIPPLE, MALIGNANT, BENIGN, HORMONAL

Q	M	P	W	V	I	Y	E	G	M	D	E
M	L	S	V	R	V	P	U	C	E	O	N
N	Q	N	R	S	W	J	J	F	B	V	H
I	C	F	I	L	S	G	X	D	E	Y	X
P	I	K	I	D	E	I	I	U	N	H	A
P	N	D	E	Y	W	M	L	Q	I	O	J
M	A	L	I	G	N	A	N	T	G	R	P
E	C	X	E	B	W	V	U	H	N	M	D
K	U	M	T	X	J	U	O	H	M	O	L
F	S	S	D	R	J	Z	K	P	E	N	U
T	S	C	X	T	W	H	K	X	T	A	M
U	G	Z	R	F	V	H	N	A	G	L	P

### Breast

Column A	Column B (Descriptions)
1. Fibrocystic Changes	B. Inflammatory condition of the breast often occurs in lactating women
2. Fibroadenoma	D. Dilatation of ducts leading to sticky nipple discharge
3. Carcinoma of the Breast	E. Malignant neoplasm of breast tissue
4. Ductal Ectasia	A. Benign mobile lump commonly found in young women
5. Mastitis	C. Chronic painful breast changes with cysts and fibrosis related to hormones

4. Case Puzzle: Painless lump in young woman → \_\_\_\_\_

5. Diagram Puzzle: Label the anatomy of the breast.



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### Central Nervous System

Find the words: HEADACHE, SEIZURE, INFECTION, HEMORRHAGE, INFLAMMATION

S	U	S	C	Q	I	A	K	I	M	Q	I
P	J	J	C	Z	N	S	I	N	N	G	X
D	P	G	M	T	F	L	J	F	H	K	Z
Y	E	W	N	O	E	C	K	L	E	W	Q
H	G	B	Y	A	C	J	M	A	M	W	W
S	E	N	S	F	T	Q	B	M	O	B	A
S	A	B	A	J	I	E	K	M	R	Q	K
R	D	Z	J	P	O	Z	A	A	R	M	H
Q	O	G	S	H	N	A	D	T	H	H	E
C	U	V	L	W	R	P	X	I	A	C	Q
S	A	L	B	D	E	X	U	O	G	O	N
H	O	W	A	T	C	O	N	N	E	N	L

### Central Nervous System (CNS)

Column A	Column B (Descriptions)
1. Meningitis	A. Primary brain tumour arising from glial cells
2. Encephalitis	C. Bleeding into brain tissue, causing sudden neurological deterioration
3. Ischemic Stroke	E. Loss of blood supply to the brain region, leading to an infarct and focal deficits
4. Intracerebral Haemorrhage	D. Inflammation of meninges, usually with neck stiffness and photophobia
5. Glioma	B. Inflammation of brain parenchyma, often viral and may cause seizures

4. Case Puzzle: Sudden weakness + slurred speech + CT brain shows infarct → \_\_\_\_\_

5. Flowchart Puzzle: Fill in the pathogenesis of meningitis.



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## Answer Key — Puzzle 1 (Word Search) Solutions

### Kidneys & Urinary Tract

Q	I	E	X	L	R	V	K	U	B	C	N
Q	K	d	i	a	l	y	c	a	s	t	s
h	Z	X	E	S	K	W	C	K	M	Z	F
e	V	R	O	V	U	M	G	J	H	R	C
m	V	I	N	E	F	H	A	E	X	F	A
a	B	A	H	K	P	L	X	T	Q	E	E
t	E	F	R	U	Z	J	X	X	J	S	B
u	R	E	K	O	Q	B	K	H	E	A	I
r	O	J	O	T	B	J	Y	K	F	A	S
i	H	W	L	A	M	M	N	E	N	K	A
a	X	D	L	U	O	X	S	U	Z	M	D
M	p	r	o	a	z	o	t	e	m	i	a

Words: PROTEINURIA, HEMATURIA, DIALYSIS, CASTS, AZOTEMIA

### Male Genital System

K	P	X	D	O	B	J	O	X	S	C	I
F	h	F	P	m	C	Y	T	H	V	H	P
K	y	H	F	a	Y	K	Y	V	Y	J	Y
O	p	Y	A	l	O	W	X	E	G	F	N
E	e	T	R	i	N	S	D	M	F	X	L
i	r	f	e	g	t	i	l	i	t	y	B
P	p	C	R	n	B	b	p	h	M	M	P
B	l	X	R	a	N	Z	V	N	D	K	D
D	a	P	R	n	Y	W	C	J	C	E	P
Z	s	a	n	c	r	o	g	e	n	W	L
Q	i	V	U	y	H	R	C	E	T	K	F
V	a	R	Y	E	X	E	E	Y	I	K	P

Words: ANDROGEN, INFERTILITY, HYPERPLASIA, MALIGNANCY, BPH

### Female Genital System

D	M	F	G	A	A	Z	G	E	S	M	N
m	a	l	i	g	n	i	n	c	y	T	Q
d	t	s	m	e	n	n	r	r	h	e	a
A	u	R	V	V	X	f	T	G	L	E	K
O	m	U	M	U	T	e	J	Q	K	N	Y
Z	o	X	J	G	L	r	K	B	M	M	S
I	r	F	D	S	H	t	M	C	R	W	Z
N	X	I	J	O	G	i	J	C	W	I	A



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V	O	W	V	I	W	l	M	G	N	D	T
Z	a	m	e	n	o	i	r	h	e	a	E
C	D	K	S	E	B	t	K	R	X	Y	K
Y	O	W	N	O	T	y	O	X	M	J	X

Words: DYSMENORRHEA, AMENORRHEA, MALIGNANCY, TUMOR, INFERTILITY

### Breast

Q	M	P	W	V	I	Y	E	G	M	D	E
M	L	S	V	R	V	P	U	C	E	O	N
n	Q	N	R	S	W	J	J	F	b	V	H
i	C	F	I	L	S	G	X	D	e	Y	X
p	I	K	I	D	E	I	I	U	n	h	A
p	N	D	E	Y	W	M	L	Q	i	o	J
m	a	l	i	g	n	a	n	t	g	r	P
e	C	X	E	B	W	V	U	H	n	m	D
K	U	M	T	X	J	U	O	H	M	o	l
F	S	S	D	R	J	Z	K	P	E	n	u
T	S	C	X	T	W	H	K	X	T	a	m
U	G	Z	R	F	V	H	N	A	G	l	p

Words: LUMP, NIPPLE, MALIGNANT, BENIGN, HORMONAL

### Central Nervous System

S	U	S	C	Q	i	A	K	i	M	Q	I
P	J	J	C	Z	n	S	I	n	N	G	X
D	P	G	M	T	f	L	J	f	h	K	Z
Y	E	W	N	O	e	C	K	l	e	W	Q
H	G	B	Y	A	c	J	M	a	m	W	W
S	E	N	S	F	t	Q	B	m	o	B	A
S	A	B	A	J	i	E	K	m	r	Q	K
R	D	Z	J	P	o	Z	A	a	r	M	H
Q	O	G	S	h	n	a	d	t	h	h	e
C	U	V	L	W	r	P	X	i	a	C	Q
S	A	L	B	D	e	X	U	o	g	O	N
H	O	W	A	T	C	O	N	n	e	N	L

Words: HEADACHE, SEIZURE, INFECTION, HEMORRHAGE, INFLAMMATION





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### **Answer Key — Puzzle 2 (Match the Pair)**

#### **Kidneys & Urinary Tract**

1 → D

2 → A

3 → B

4 → C

5 → E

#### **Male Genital System**

1 → B

2 → C

3 → E

4 → A

5 → D

#### **Female Genital System**

1 → B

2 → C

3 → E

4 → A

5 → D

#### **Breast**

1 → C

2 → A

3 → E



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4 → D

5 → B

### **Central Nervous System (CNS)**

1 → D

2 → B

3 → E

4 → C

5 → A