



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

**A PIONEER DIAGNOSTIC CENTRE**

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

**NAME** : Miss. JOYNA SETH  
**AGE/ GENDER** : 16 YRS/FEMALE  
**COLLECTED BY** :  
**REFERRED BY** :  
**BARCODE NO.** : 12507717  
**CLIENT CODE.** : P.K.R JAIN HEALTHCARE INSTITUTE  
**CLIENT ADDRESS** : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

**PATIENT ID** : 1806731  
**REG. NO./LAB NO.** : 122503260007  
**REGISTRATION DATE** : 26/Mar/2025 09:32 AM  
**COLLECTION DATE** : 26/Mar/2025 11:23AM  
**REPORTING DATE** : 26/Mar/2025 12:54PM

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

## HAEMATOLOGY

### HAEMOGLOBIN (HB)

|                                     |      |       |             |
|-------------------------------------|------|-------|-------------|
| HAEMOGLOBIN (HB)<br>by CALORIMETRIC | 12.9 | gm/dL | 12.0 - 16.0 |
|-------------------------------------|------|-------|-------------|

#### INTERPRETATION:-

Hemoglobin is the protein molecule in red blood cells that carries oxygen from the lungs to the bodys tissues and returns carbon dioxide from the tissues back to the lungs.

A low hemoglobin level is referred to as ANEMIA or low red blood count.

#### ANEMIA ( DECREASED HAEMOGLOBIN):

- 1) Loss of blood (traumatic injury, surgery, bleeding, colon cancer or stomach ulcer)
- 2) Nutritional deficiency (iron, vitamin B12, folate)
- 3) Bone marrow problems (replacement of bone marrow by cancer)
- 4) Suppression by red blood cell synthesis by chemotherapy drugs
- 5) Kidney failure
- 6) Abnormal hemoglobin structure (sickle cell anemia or thalassemia).

#### POLYCYTHEMIA (INCREASED HAEMOGLOBIN):

- 1) People in higher altitudes (Physiological)
- 2) Smoking (Secondary Polycythemia)
- 3) Dehydration produces a falsely rise in hemoglobin due to increased haemoconcentration
- 4) Advanced lung disease (for example, emphysema)
- 5) Certain tumors
- 6) A disorder of the bone marrow known as polycythemia rubra vera,
- 7) Abuse of the drug erythropoetin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

**NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD**



DR.VINAY CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA  
CONSULTANT PATHOLOGIST  
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## CLINICAL CHEMISTRY/BIOCHEMISTRY

### LIVER FUNCTION TEST (COMPLETE)

|  |                   |       |   |
|--|-------------------|-------|---|
| BILIRUBIN TOTAL: SERUM<br><i>by DIAZOTIZATION, SPECTROPHOTOMETRY</i>                           | 0.89              | mg/dL | INFANT: 0.20 - 8.00<br>ADULT: 0.00 - 1.20 |
| BILIRUBIN DIRECT (CONJUGATED): SERUM<br><i>by DIAZO MODIFIED, SPECTROPHOTOMETRY</i>            | 0.37              | mg/dL | 0.00 - 0.40                               |
| BILIRUBIN INDIRECT (UNCONJUGATED): SERUM<br><i>by CALCULATED, SPECTROPHOTOMETRY</i>            | 0.52              | mg/dL | 0.10 - 1.00                               |
| SGOT/AST: SERUM<br><i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>                                 | 20.41             | U/L   | 7.00 - 45.00                              |
| SGPT/ALT: SERUM<br><i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>                                 | 15.99             | U/L   | 0.00 - 49.00                              |
| AST/ALT RATIO: SERUM<br><i>by CALCULATED, SPECTROPHOTOMETRY</i>                                | 1.28              | RATIO | 0.00 - 46.00                              |
| ALKALINE PHOSPHATASE: SERUM<br><i>by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL</i> | 77.92             | U/L   | 50.00 - 370.00                            |
| GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM<br><i>by SZASZ, SPECTROPHOTOMETRY</i>                  | 13.74             | U/L   | 0.00 - 55.0                               |
| TOTAL PROTEINS: SERUM<br><i>by BIURET, SPECTROPHOTOMETRY</i>                                   | 6.33              | gm/dL | 6.20 - 8.00                               |
| ALBUMIN: SERUM<br><i>by BROMOCRESOL GREEN</i>  | 4.47              | gm/dL | 3.50 - 5.50                               |
| GLOBULIN: SERUM<br><i>by CALCULATED, SPECTROPHOTOMETRY</i>                                     | 1.86 <sup>L</sup> | gm/dL | 2.30 - 3.50                               |
| A : G RATIO: SERUM<br><i>by CALCULATED, SPECTROPHOTOMETRY</i>                                  | 2.4 <sup>H</sup>  | RATIO | 1.00 - 2.00                               |

#### INTERPRETATION

**NOTE:-** To be correlated in individuals having SGOT and SGPT values higher than Normal Reference Range.

**USE:-** Differential diagnosis of diseases of hepatobiliary system and pancreas.

#### INCREASED:

|                     |                         |
|---------------------|-------------------------|
| DRUG HEPATOTOXICITY | > 2                     |
| ALCOHOLIC HEPATITIS | > 2 (Highly Suggestive) |
| CIRRHOSIS           | 1.4 - 2.0               |



  
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| INTRAHEPATIC CHOLESTATIS                     | > 1.5                      |      |                               |
| HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS | > 1.3 (Slightly Increased) |      |                               |

**DECREASED:**

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
2. Extra Hepatic cholestasis: 0.8 (normal or slightly decreased).


**PROGNOSTIC SIGNIFICANCE:**

|                      |           |
|----------------------|-----------|
| NORMAL               | < 0.65    |
| GOOD PROGNOSTIC SIGN | 0.3 - 0.6 |
| POOR PROGNOSTIC SIGN | 1.2 - 1.6 |

\*\*\* End Of Report \*\*\*



  
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