

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Thrombosis. Explain its pathogenesis, morphological features of its Types.

SECTION – B

2. Define Anemia. Explain the pathogenesis, Morphological features, diagnostic criteria of Thalassemia.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Explain aetiology and Pathology of Amyloidosis briefly.
2. Describe the Pathological features of Irreversible Cell Injury.
3. Explain the features of different types of Metaplasia.
4. Define Embolism. Describe Air Embolism.
5. Define Tumor Marker. Explain its types.

SECTION – B

6. Pathological features of Congenital Syphilis.
7. Pathology of Osteomyelitis.
8. Features of Hodgkins Lymphoma.
9. Pathology of Nephrotic Syndrome.
10. Angina Pectoris and its types.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Describe Brown Atrophy.
2. Describe Nut Meg Liver.
3. Explain Virchow's Triad.
4. Mention the features of Gamna Gandy Bodies.
5. Define Desmoplasia.

SECTION – B

6. Describe Cor Bovinum.
7. What is Punctuate Basophilia?
8. Explain Wilsons Disease.
9. What is Granuloma?
10. Goal of Repair – Explain.

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Inflammation. Explain in detail about the Vascular and Cellular changes of Acute Inflammation.

SECTION – B

2. Define Rheumatic Fever. Explain the Pathogenesis, Morphological features, Diagnostic criteria of Rheumatic Heart Disease.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Explain aetiology and Pathology of Fatty Change.
2. Describe the Pathological features of Reversible Cell Injury.
3. Explain the features of different types of Atrophy.
4. Define Oedema. Describe Cardiac Oedema.
5. Define Metastasis. Explain its types.

SECTION – B

6. Pathology of Madura foot.
7. Pathology of Gout.
8. Features of Wilm's Tumour.
9. Pathology of Emphysema.
10. Arteriosclerosis and its types-briefly.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Define Necrosis and mention its types.
2. Define Anaplasia and its criteria.
3. Explain Mutation.
4. Mention the Postmortum findings of Amniotic fluid Embolism.
5. Differentiate Transudate and Exudate.

SECTION – B

6. Define Choristoma and give one Example.
7. What is Oral Thrush?
8. Explain Pulseless Disease.
9. What is Charcot-Leyden Crystals?
10. Name the serum Cardiac Markers.

[LN 1506]

OCTOBER 2018

Sub. Code: 1506

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Neoplasia. Explain in detail about the Characteristics and Pathogenesis of Neoplasm.

SECTION – B

2. Describe types of Cirrhosis of Liver. Explain the pathogenesis, Morphological features, diagnostic criteria of Alcoholic Cirrhosis.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Define and classify oedema.
2. Describe the pathology of the Primary Union of healing.
3. Define and classify shock.
4. Difference between Dry and Wet Gangrene.
5. Describe the features of Down Syndrome.

SECTION – B

6. Pathological features of Lepromatous Leprosy.
7. Pathology of Crohn's Disease.
8. Features of Rodent Ulcer.
9. Pathology of Toxic Goitre.
10. Explain the formation of Gallstone.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Mention the nuclear changes in Cell Injury.
2. Pyrexia.
3. Explain Infarction.
4. Mention the Sequale of Inflammation.
5. What is Heart failure Cell?

SECTION – B

6. Mention the deformities of Rheumatoid Arthritis.
7. What is Osler's node?
8. Explain Heinz Bodies.
9. What is Hydrocephalus?
10. Name the Giant Cell Types.

[LO 1506]

MAY 2019

Sub. Code: 1506

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Neoplasm, classify carcinogens and describe in detail about chemical carcinogenesis.

SECTION – B

2. Define Infarction. Explain the etiology, pathogenesis, investigation, complications of Myocardial Infarction.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Describe the mechanism of wound healing by first intention.
2. Chronic Venous Congestion of Liver.
3. Discuss the morphological features of necrosis and apoptosis.
4. Discuss about the grading and staging of tumours.
5. Definition, types and mechanism of hypertrophy.

SECTION – B

6. Explain the clinical features and lab diagnosis of Iron deficiency anaemia.
7. Inflammatory bowel diseases-types and pathology.
8. Pathogenesis of type 1 diabetes mellitus.
9. Nephritic syndrome.
10. Types and pathogenesis of Chronic Bronchitis.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Virchow's triad.
2. Splenic spleen.
3. Haemosiderosis-describe.
4. Define anaplasia.
5. Factors affecting wound healing.

SECTION – B

6. Rodent ulcer.
7. Hydatidiform mole.
8. Lypoma.
9. Hashimoto's thyroiditis.
10. Rickets-describe.

[LP 1506]

OCTOBER 2019

Sub. Code: 1506

SECOND B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define inflammation, discuss in detail about chemical mediators of inflammation.

SECTION – B

2. Define leukemia, write in detail about Acute myelogenous leukemia.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Discuss the difference between benign and malignant tumours.
2. Describe the aetiopathogenesis of thrombosis.
3. Define necrosis and mention its types and pathology of each type of necrosis.
4. Discuss the healing of fractured bone and its complications.
5. Describe the pathogenesis, morphology and staining characteristics of Hemosiderosis.

SECTION – B

6. Pathogenesis and clinical manifestations of Pernicious anaemia.
7. Enumerate the Chronic obstructive pulmonary disease, write in detail about Bronchiectasis.
8. Pathogenesis of Osteo arthritis.
9. Leukemoid reaction.
10. Describe the difference between Ulcerative colitis and Chron's disease.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Hypertrophy.
2. Scleroderma-Describe.
3. Teratomas-Define.
4. Squamous cell carcinoma.
5. Chronic venous congestion of Spleen.

SECTION – B

6. Causes of thrombocytopenia.
7. Schwannoma-describe.
8. Aschoff nodule.
9. Seminoma of testis.
10. Potts spine.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0321]

MARCH 2021

Sub. Code: 1506

(MAY 2020 SESSION)

B.H.M.S. DEGREE EXAMINATION

SECOND YEAR (New Regulation – From 2015-2016 Batch onwards)

PAPER I – PATHOLOGY - I

Q.P. Code : 581506

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Gangrene. Discuss briefly about pathology of different types Gangrene.

SECTION – B

2. Describe the Pathology, morphological changes and deformities of Rheumatoid Arthritis.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Describe 5 Chemical mediator and its role in Inflammation.
2. Metaplasia and its types.
3. Describe 5 types of Degenerations.
4. Describe the types of Tissue Macrophages.
5. Chronic venous congestion and explain its pathologic changes in different organs.

SECTION – B

6. Pathology of Gout.
7. Peripheral Blood Smear and its significance.
8. Pathology of Madura foot.
9. Difference between Gastric and Duodenal ulcer.
10. Wilson's disease and its pathological characteristics.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. What is Pus?
2. Difference between Thrombosis and Postmortum clot.
3. Phlebolith-Define
4. Steps and cells involved in Phagocytosis.
5. What is Trisomy?

SECTION – B

6. Plunging Goitre-Describe.
7. What is Flea bitten kidney?
8. Linitis Plastica-Describe.
9. Reid Index and its significance.
10. Neutropenia and its causes.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 1506

**SECOND B.H.M.S. DEGREE COURSE
PAPER I – PATHOLOGY - I
*Q.P. Code : 581506***

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Oedema. Discuss briefly about pathology of different types Oedema.

SECTION – B

2. Define Pneumonia. Describe the types in short and explain Lobar Pneumonia.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Vascular changes of acute inflammation.
2. Metastasis and its types.
3. Irreversible cell injury and its characteristics.
4. Difference between Dry and wet Gangrene.
5. Define amyloidosis and explain its pathologic changes in different organs.

SECTION – B

6. Angina pectoris and its types.
7. Pathology of Atheroma.
8. Pathology of Toxic Goitre.
9. Osteosarcoma and its pathological characteristics.
10. What is Biopsy? Explain bone marrow biopsy and the indications to do it.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Saddle embolism.
2. Difference between exudates and transudate.
3. Opsonins.
4. Mention the goals of Repair.
5. Collision Tumor.

SECTION – B

6. Cold Abscess.
7. Oral thrush.
8. Bence Jones Protein.
9. Ballooning degeneration.
10. Coolies Anemia.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0222]

**FEBRUARY 2022
(MAY 2021 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY - I
Q.P. Code : 581506**

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Cellular adaptation. Discuss briefly the types of Cellular adaptations.

SECTION – B

2. Classify Ischemic heart Diseases. Describe the aetiopathogenesis, morphological changes, investigations of Myocardial Infarction.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Cellular changes of acute inflammation.
2. Calcification and its types.
3. Pathology of Apoptosis.
4. Difference between Benign and Malignant Tumor.
5. Define Immunity and explain the Cells of Immune system.

SECTION – B

6. Discuss briefly Emphysema and its types.
7. Pathology of CorBovinum.
8. Liver function test and its Indications to do it.
9. Pathology of Rodent Ulcer.
10. Explain the pathology of Nodular Goitre.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Contributions of Rudolf Virchow.
2. Difference between Thrombosis and Postmortum Clot.
3. What is Hydropic degeneration?
4. What is Mutation?
5. Mention 4 Tumor Markers and corresponding Tumour.

SECTION – B

6. What is Ludwig's Angina?
7. Differentiate Leukocytosis and Leukemia.
8. Difference between Gastric and Duodenal Ulcer.
9. Fine needle aspiration cytology-Describe.
10. Define Hydrocephalus.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0522]

**MAY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY - I
Q.P. Code : 581506**

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Differentiate Regeneration and Repair. Discuss pathological stages of Granulation tissue formation and primary union.

SECTION – B

2. Define Anemia. How anemia is classified and explain the pathological features of Iron deficiency anemia.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Systemic effects and sequel of Acute inflammation.
2. Fat Necrosis and its pathology.
3. Mention the pathology, types of infarction and the difference among its types.
4. Infective Gangrene.
5. Branches of Pathology and describe briefly.

SECTION – B

6. Pathology of Osteoarthritis.
7. Crohn's Disease and its significans.
8. Pathology and types of Angina pectoris.
9. Renal stones and its types.
10. Teratoma and its types.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Define Procarcinogen.
2. What is dropsy?
3. Differentiate transudate and Exudate.
4. Leukemoid Reaction.
5. What is Choristoma?

SECTION – B

6. Differentiate cretinism and Myxoedema.
7. What is Leukoplakia?
8. What is Tophi?
9. Confluent Pneumonia – Explain.
10. RBC. Indices - Explain.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 1022]

**OCTOBER 2022
(MAY 2022 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY - I
Q.P. Code : 581506**

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Mention the various types of Degeneration. Discuss about Cloudy Swelling and Fatty degeneration.

SECTION – B

2. Describe Granuloma. Explain Pathology, diagnosis, types, complications of Leprosy.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Cells involved in Granulomatous inflammation and its role in it.
2. Complications of Wound Healing.
3. Discuss the features of Down syndrome.
4. Explain different types of Carcinogens.
5. Differentiate the types of Immunity.

SECTION – B

6. Pathology of Osteomyelitis.
7. Morphological characteristics of Rheumatic Heart Disease.
8. Pathology of Nephrotic Syndrome.
9. Describe Hodgkins Disease and its histological varieties.
10. Pernicious Anemia and its pathological significance.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. What is Saponification?
2. Difference between Hyperemia and Congestion.
3. Anaplasia and Dysplasia-Differentiate.
4. Diabetic Gangrene-Explain.
5. What is Talc Embolism?

SECTION – B

6. What is Berry Aneurysm?
7. Mycetoma - Explain.
8. Mention Occupational lung Diseases.
9. What is Tabes Mysteriosa?
10. Describe Mucocele.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0323]

**MARCH 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulation – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY – I**

Q.P. Code: 581506

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Necrosis. Discuss briefly about pathology of different types of Necrosis.

SECTION – B

2. Definition, classification, pathogenesis, complications, diagnosis of Diabetes Melitus.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Fatty degeneration and its morphological changes in organs.
2. Viral carcinogens and its types.
3. Pathology of Septic shock.
4. Granuloma and its types.
5. Histopathology and its types and significance.

SECTION – B

6. Pathologic changes of Rheumatic Heart Disease.
7. Emphysema and its types.
8. Difference between Crohn's disease and Ulcerative colitis.
9. Pathology of Nephrotic Syndrome.
10. What is Cerebrospinal fluid analysis and its indications?

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Sago spleen-explain.
2. Pitting and Non pitting oedema explain.
3. Natural killer cell-explain.
4. What is carcinoma in situ?
5. Difference between Pale and red infarct.

SECTION – B

6. Tree bark intima-Describe.
7. Abnormal Hemoglobins.
8. What is Pannus?
9. Hypostatic Pneumonia –Explain.
10. Reed stern berg giant cells and its clinical significance.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0923]

**SEPTEMBER 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY – I**

Q.P. Code: 581506

Time: Three Hours

Answer ALL questions

Maximum: 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Define Inflammation. Name and discuss the mode of action of chemical mediators in acute inflammation.

SECTION –B

2. Define COPD. Explain its types. Write in details about Bronchial asthma.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Pathogenesis and types of Oedema.
2. Difference between benign and malignant tumour.
3. Discuss pathogenesis of Thrombus formation.
4. Discuss briefly about Reversible cell injury and its types.
5. Pathogenesis and pathology of Vitamin A deficiency.

SECTION –B

6. Explain the types and pathology of Leiomyoma of uterus.
7. Pathogenesis of Atherosclerosis.
8. Describe the aetiopathogenesis, morphologic changes of Chronic pyelonephritis.
9. Discuss pathogenesis of Alcoholic liver diseases.
10. Describe the pathophysiology and clinical features of Beta thalassemia major.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Enumerate the Inflammatory responses to infection.
2. Paraneoplastic syndrome.
3. Gas Gangrene.
4. Define Hypertrophy.
5. Lardaceous spleen.

SECTION –B

6. Gout.
7. Graves disease.
8. Complication of Diabetes mellitus.
9. Linitis plastica.
10. Cholelithiasis.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0824]

**AUGUST 2024
(MAY 2024 EXAM SESSION)**

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (New Regulations – From 2015-2016 batch onwards)
PAPER I – PATHOLOGY – I**

Q.P. Code: 581506

Time: Three Hours

Answer ALL questions

Maximum: 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Classify the Hemodynamic Disorders due to Obstruction of Blood flow. Explain Septic and Anaphylactic Shock in detail.

SECTION – B

2. Define Leukemia. Write its classification. Explain the Pathological features of Chronic Myeloid Leukemia.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Define Apoptosis. Write its pathogenesis, Physiological and pathological examples.
2. Describe the Cell derived Chemical Mediators.
3. Amniotic fluid Embolism and its Postmortem Changes.
4. What are the different Lab diagnostic methods to diagnose Cancer?
5. Explain the features of Down syndrome.

SECTION – B

6. Define Aneurysm. Explain its morphological types and clinical effects.
7. Renal Calculi and its types.
8. Characteristic findings in Congenital Syphilis.
9. Pathology of Osteosarcoma.
10. Toxic Goitre - Describe in detail.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. Smokers Metaplasia.
2. Antioxidant and its examples.
3. Immune Cells.
4. Difference between Hyperemia and Congestion.
5. What is Hyaline Change?

SECTION – B

6. Describe Cor Pulmonale.
7. Name the Congenital Heart Diseases.
8. What is Achalasia Cardia?
9. Explain Ballooning Degeneration.
10. Causes of Proteinuria.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0525]

MAY 2025

Sub. Code: 1506

**B.H.M.S. DEGREE EXAMINATION
SECOND YEAR (Regulations From 2015-2016 batch onwards)
PAPER I – PATHOLOGY – I**

Q.P. Code: 581506

Time: Three Hours

Answer ALL questions

Maximum: 100 Marks

I. Essay Questions:

(2 x 15 = 30)

SECTION – A

1. Explain the aetiology, pathogenesis, morphological changes of Ischemic Cell Injury and its types.

SECTION – B

2. Describe the Pathology, morphological changes and complications of Inflammatory Bowel Diseases.

II. Write Notes on:

(10 x 5 = 50)

SECTION – A

1. Grading and Staging, Clinical significance of Cancer.
2. Types and Fate of Thrombus.
3. Pathology of Amyloidosis and its morphological types.
4. Steatosis and its staining techniques.
5. Infective Gangrene and its morphological changes.

SECTION – B

6. Mention four Occupational Lung Diseases. Explain morphological features of Pneumoconiosis.
7. Nephritic and Nephrotic syndrome.
8. Teratoma and its morphological Characteristics.
9. Polycythemia and its Types.
10. Erythrocyte sedimentation Rate and its clinical significance.

III. Short Answers on:

(10 x 2 = 20)

SECTION – A

1. How will you identify acute inflammatory tissue or organ?
2. Cellular Adaptations in Pregnancy.
3. Explain Milk Leg.
4. What is Leukoplakia?
5. Causes of Spleenomegaly.

SECTION – B

6. Lewy Bodies – Explain.
7. What is Cold Abscess?
8. Paradoxical Embolism.
9. Colliquative Necrosis.
10. What is Auto Immunity?
