

NOVEMBER-2001

[KE 1227]

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For students admitted in the year 1999–2000)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

Answer Sections A and B separately.

SECTION A

1. What is sexually transmitted disease? Explain Syphilis. (1 × 14 = 14)
2. (a) Write briefly about secondary union.
(b) Describe about Aethiology and Pathology of Acute Appendicitis. (2 × 8 = 16)
3. Short notes on : (5 × 4 = 20)
 - (a) Zenker's degeneration.
 - (b) Pathological pigmentation.
 - (c) Buerger's disease.
 - (d) Liver function test.
 - (e) Anaemia.

SECTION B

4. Write in detail about the aetio-pathology and laboratory diagnosis of plague. (1 × 14 = 14)
5. (a) Pathogenicity of Tapeworm.
(b) Bacillary dysentery. (2 × 8 = 16)
6. Short notes on : (5 × 4 = 20)
 - (a) Larva migrans.
 - (b) Schick test.
 - (c) Kala-Azar.
 - (d) HIV.
 - (e) Replication of Bacteriophage.

MARCH-2002

[KG 1227]

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

(Admitted during the year 1998–1999 onwards)

**PATHOLOGY AND MICROBIOLOGY INCLUDING
PARASITOLOGY**

Time : Three hours

Maximum : 100 marks

SECTION A

1. What is carcinoma? What are the types of carcinoma? Describe about basal cell carcinoma.
(1 × 14 = 14)

2. Write briefly about : (2 × 8 = 16)

(a) Peptic ulcer.

(b) Etiopathology of Rheumatic Heart disease.

3. Write short notes on : (5 × 4 = 20)

(a) Varicocele.

(b) Grave's disease.

(c) Intussusception.

(d) Giant cells.

(e) Shock.

SECTION B

4. Write in detail about the pathogenesis laboratory diagnosis of *Treponema pallidum*. (1 × 14 = 14)

5. Briefly explain about : (2 × 8 = 16)

(a) Pathogenesis of *Cl. Welchii*.

(b) Life cycle and Pathogenicity of *Giardia Intestinalis*.

6. Write short notes on : (5 × 4 = 20)

(a) HIV.

(b) Negri bodies.

(c) Neural vaccines.

(d) Mehlis's gland.

(e) Chagas' disease.

SEPTEMBER-2002

[KH 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For Students admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A and B in the SAME Answer Book.

SECTION A

1. Write in detail about the aetio pathology of Oedema and its types. (1 × 14 = 14)
2. (a) Give a brief description about Healing by first intention.

(b) Give the differences between Benign and Malignant tumours. (2 × 8 = 16)

SEPTEMBER-2002

3. Write short notes on : (5 × 4 = 20)
- | | |
|-----------------------|-----------------------------|
| (a) Ischemia | (c) Elisa test |
| (b) Gangrene | (d) Anchovy sauce |
| (c) Caisson's disease | (e) Cysticercus cellulosae. |
| (d) Anoxia | |
| (e) Virchow's Triad. | |
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SECTION B

4. Define Bacteria. Write the various classification.
(1 × 14 = 14)
5. Briefly describe about : (2 × 8 = 16)
- (a) Autoimmune disease
- (b) Ameobiasis.
6. Write short notes on : (5 × 4 = 20)
- (a) Define Antigen.
- (b) Gram stain

APRIL-2003

[KI 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For students admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Sections A and B in the **SAME** Answer Book.

SECTION A

1. Define degeneration, types of degeneration and explain about parenchymatous degeneration.

(1 × 14 = 14)

2. (a) Describe about the aethiopathology and types of cirrhosis of liver.

(b) Define and classify immunity. Explain about Acquired Immunity.

(2 × 8 = 16)

3. Write short notes on :

(5 × 4 = 20)

(a) Wilm's tumor

(b) Vovulus

(c) Hodgkin's disease

(d) Tabes dorsalis

(e) Repair.

SECTION B

4. Define sterilisation, write in detail about the moist heat method.

(1 × 14 = 14)

5. (a) Write briefly about the life cycle and pathogenesis of plasmodium falciparum.

(b) Pathogenesis and clinical features of Herpes Simplex.

(2 × 8 = 16)

6. Short notes on :

(5 × 4 = 20)

(a) Widal test

(b) Lab diagnosis of diphtheria

(c) Agar-agar

(d) Hydatid disease

(e) Dermal Leishmanoid.

OCTOBER-2003

[KJ 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For students admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

SECTION A

Answer Sections A and B in SAME Answer Book.

1. What is Thrombosis? Describe briefly the aetiology, common sites and clinical significance of thrombus. (1 × 14 = 14)
2. Write briefly about : (2 × 8 = 16)
 - (a) Bronchial Asthma
 - (b) Amyloidosis.
3. Write short notes on : (4 × 5 = 20)
 - (a) Degeneration cell injury
 - (b) Embolism
 - (c) Infarction
 - (d) Hypertrophy.

SECTION B

4. Describe in detail about the life cycle, pathogenesis of *Ascaris-Lumbricoides*. (1 × 14 = 14)
5. Write briefly about : (2 × 8 = 16)
 - (a) Morphology of Trophozoite of *Balantidium Coli*.
 - (b) Type-I Hypersensitivity — Describe.
6. Write short notes on : (4 × 5 = 20)
 - (a) Cerebral Malaria
 - (b) Anchovy-Sauce Pus
 - (c) Cysticercosis
 - (d) Bacteriophage — Define its structure with a neat diagram.

AUGUST-2004

[KL 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

Paper I—PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY

(For students admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Answer Sections A and B in **SAME** Answer Book.

SECTION A — (2 × 15 = 30 marks)

Long Essay any TWO :

1. What is degeneration? Write the etiology and morbid anatomy of fatty liver.
2. Write the life cycle and pathogenesis of *Ascaris Lumbricoides*.
3. Write the structure and mode of spread of Malignant tumour.

SECTION B — (10 × 5 = 50 marks)

Short notes any TEN :

4. Hot air oven.
5. Active Immunity.
6. HIV infection.
7. Standard tests of Syphilis.
8. Grams staining.
9. Lab diagnosis of Diphtheria.
10. Lab diagnosis of Kala Azar.
11. Difference between *Taenia Solium* and *Taenia Saginata*.
12. Copulatory Bursa.
13. Staining of Malaria slide.
14. Life cycle of *Stroglyoides stercoralis*
15. NIH swab.

FEBRUARY-2005

[KM 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For students admitted in the year 1998 onwards)

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

SECTION A — (2 × 15 = 30 marks)

Answer any TWO of the following.

Long Essay :

1. Define Necrosis. Describe various type of Necrosis. (15)
2. Describe the life cycle, pathogenicity and laboratory diagnosis of Echinococcus Granulosa. (15)
3. Classify Leukaemias. Indicate the peripheral blood picture and bone marrow findings in a case of chronic myeloid leukaemia. (15)

SECTION B — (10 × 5 = 50 marks)

Answer any TEN of the following.

Write short notes :

4. Method of spread of Tumours.
5. Gangrene.
6. Metastasis.
7. Carcinoma in Situ.
8. Nut meg liver.
9. Hypertrophy.
10. Clinical manifestations of Amoebiasis.
11. Endotoxin and Exotoxin.
12. Fractional test meal.
13. Physical carcinogens.
14. Chemotaxis.
15. Biopsy.

AUGUST-2005

[KN 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For Candidates admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

1. Long Essay any TWO.

$$(2 \times 15 = 30)$$

1. What is embolism, write the types and effects of embolism?
2. Describe the morphology, cultural characters, pathogenesis and laboratory diagnosis of *Vibrio cholera*.
3. Write in detail about the Life-Cycle of *Plasmodium vivax*.

II. Short Notes (Any Ten)

(10 × 5 = 50)

1. Chemotaxis.
2. Granuloma.
3. Difference between Benign and malignant tumour.
4. Giant cells.
5. Organisation of Thrombus.
6. Chemical sterilisation.
7. Mantoux Test.
8. Food poisoning by *Clostridia welchii*.
9. Morphology of Viruses.
10. Live vaccine.
11. Serological test in Syphilis.
12. Anchovy Sauce pus.

[KO 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For Candidates admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

I. Long Essay.

(2 × 15 = 30)

Answer any TWO of the following.

- 1. Define Inflammation. Describe the various causes of cell injury and mechanism of vascular reaction. (15)**
- 2. Describe the Life cycle, Pathogenesis and diagnosis of Ancylostoma Duodenale. (15)**
- 3. Define chronic obstructive Pulmonary disease and write in detail about it. (15)**

II. Short notes on.

(10 × 5 = 50)

Answer any TEN of the following.

- 1. Granuloma Syphilis.**
- 2. Basal cell carcinoma.**
- 3. Types of Necrosis with examples.**
- 4. Casoni's Test.**
- 5. Varicella.**
- 6. Aneurysm.**
- 7. Nephrotic Syndrome.**
- 8. Black water fever.**
- 9. Secondary shock.**
- 10. Pagets disease of breast.**
- 11. Pathogenesis of Clostridium Tetani.**
- 12. Superficial Mycosis.**
- 13. Aschoff bodies.**
- 14. Ghons Lesion.**
- 15. Gout.**

August-2006

[KP 1227]

Sub. Code : 1227

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

(For candidates admitted in the year 1998 onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

I. Essay on :

1. Write the structure and mode of spread of malignant tumour. (20)

Answer any TWO of the following : (2 × 15 = 30)

2. Define Necrosis. Explain the various types of necrosis.
3. Classify anemias and write in detail on Iron deficiency anemia.
4. Write an essay on vibrio-cholerae.

II. Short notes on :

Answer any SIX of the following : (6 × 5 = 30)

1. Complications of myocardial infarction.
2. Enteric fever.
3. Hepatitis-B.
4. Anaphylaxis.
5. Wuchereria bancrofti.
6. Echinococcus granulosus.
7. B.C.G.
8. Lab diagnosis of diphtheria.

AUGUST 2007

[KR 1227]

Sub. Code : 1227

(For candidates admitted in the year 1998 onwards)

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Draw diagram wherever necessary.

I. Long Essay (Answer any TWO) : (2 × 15 = 30)

1. Define Atrophy. Write the different types of the atrophy.

2. What is thrombus? Write the mechanism and fate of thrombus.

3. Write the structure and mode of spread of Malignant tumour.

II. Short notes (Answer any TEN) : (10 × 5 = 50)

1. Widal test.

2. Chemical sterilisation.

3. Viral culture.

4. Rheumatic fever.

5. ESR.

6. P|S in Chronic Myeloid Leukemia.

7. Cyst of Ent. Histolytica.

8. Erythrocytic shizogony in plas. vivax.

9. Cystecercus bovis.

10. Life cycle of Ancylostoma Duodemalae.

11. Stool examination in parasitology.

12. Microfilaria.

FEBRUARY 2008

[KS 1227]

Sub. Code : 1227

(For candidates admitted in the year 1998 onwards)

SECOND B.H.M.S. DEGREE EXAMINATION.

(New Regulations)

**Paper I — PATHOLOGY AND MICROBIOLOGY
INCLUDING PARASITOLOGY**

Q.P. Code : 581227

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Draw diagram wherever necessary.

I. Long Essay : (2 × 15 = 30)

Answer any TWO questions.

1. (a) Define inflammation.
(b) What are the causes for the chronic inflammation?
(c) Explain morphologic patterns in acute and chronic inflammation?
2. Write in detail about the pathogenesis laboratory diagnosis of Mycobacterium Tuberculosis.
3. Define Necrosis. Explain its cytological changes, causes and its types.

II. Write short notes on : (10 × 5 = 50)

Answer any TEN questions.

1. Leukemia.
2. Bacillary dysentery.
3. Neoplasm.
4. Varicose vein.
5. Gangrene.
6. Hypoplasia.
7. Elisa test.
8. Embolism.
9. Actinomycosis.
10. Leptospira interrogans.
11. Hypoxia.
12. Cloudy swelling.