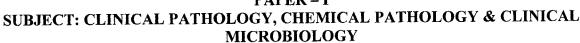
## PARKOT: WINTER - 2016 PAPER - I CT. CLINICAL PATHOLOGY CHEMICAL PATH



Time: 2.00 P.M. TO 5.00 P.M. . Saturday Day 03/12/2016 Max. Marks: 100 Date **N.B.:** Q. 1 and Q. 2 are COMPULSORY. 1) Attempt ANY SEVEN questions from Q. 3 to Q. 10. 2) Figures to the right indicate FULL marks. 3) [15] Write in detail about examination of faeces. Q.1 Give an account of normal C.S.F. findings and write about laboratory diagnosis [15] **Q.2** of different types of meningitis. Write in detail about laboratory diagnosis of diabetes mellitus. [10] Q.3 [10] Describe diagnostic tests for HIV infection. Q.4 Describe laboratory methods of diagnosis of tuberculosis. [10] Q.5 [10] Write a note on blood urea and serum creatinine. **Q.6** Write a note on the Bethesda system for cervical cytology. [10] **Q.7** [10] Describe laboratory diagnosis of malaria. **Q.8** Describe microscopic examination of urine. [10] Q.9 Give an account of indications, methods and interpretation of semen analysis. [10] Q.10

\* \* \* \*

# 42

### PARKOT: WINTER - 2016

#### PAPER – II SUBJECT : HAEMATOLOGY, BLOOD TRANSFUSION & IMMUNOLOGY

Time: 2.00 P.M. TO 5.00 P.M. Day : Monday Date Max. Marks: 100 : 05/12/2016 N.B.: Q. 1 and Q. 2 are COMPULSORY. 1) 2) Attempt ANY SEVEN questions from Q. 3 to Q. 10. 3) Figures to the right indicate FULL marks. **Q.1** Write etiological classification of anemia. Describe pathophysiology of iron [15] deficiency anemia. **Q.2** Enumerate the causes and describe laboratory diagnosis of disseminated [15] intravascular coagulation. Q.3 Write a note on rational use of blood. [10] **Q.4** Classify hypersensitivity reactions. Write a note on type I reaction. [10] Write a note on Bombay blood group. Q.5 [10] **Q.6** Write a note on multiple myeloma. [10] **Q.7** Describe the role of micro-organisms in causation of lymphoma-leukemia. [10]

What are leuko erythroblastic reactions? Discuss various causes producing it.

Describe laboratory diagnosis of thalassemia.

Describe indications of bone marrow transplant.

**Q.8** 

**Q.9** 

Q.10

[10]

[10]

[10]

### PARKOT: WINTER - 2016 PAPER – III



Time: 2.00 P.M. TO 5.00 P.M.

### SUBJECT: HISTOPATHOLOGY & MORBID ANATOMY

Day Date	: Wednesday : 07/12/2016	Time: 2.00 P.M. TO 5.00 P.M. Max. Marks: 100		
N.B.:	<ul> <li>N.B.:</li> <li>1) Q. 1 and Q. 2 are COMPULSORY.</li> <li>2) Attempt ANY SEVEN questions from Q. 3 to Q. 10.</li> <li>3) Figures to the right indicate FULL marks.</li> </ul>			
Q.1	Enumerate premalignant lesion gross and microscopic appearance	ons seen in the gastrointestinal tract. Add a note on ances of carcinoma of stomach.	[15]	
Q.2	Write in detail etiopathogenes	sis of thrombosis and morphology of a thrombus.	[15]	
Q.3	Classify bone tumours. Descri	ribe osteosarcoma.	[10]	
Q.4	Describe pathogenesis of alco	pholic liver disease.	[10]	
Q.5	Classify occupational lung dis	seases. Describe any one of them.	[10]	
Q.6	Describe prognostic factors o	f carcinoma of breast.	[10]	
<b>Q.</b> 7	Write in short about Gaucher	disease.	[10]	
Q.8	Discuss pathogenesis of am demonstration of amyloid.	yloidosis. Enlist various special stains used for	[10]	
Q.9	Write a note on use of imm tumours.	unohistochemistry in diagnosis of small round cell	[10]	
Q.10	Describe chemical mediators	of inflammation.	[10]	

#### PARKOT: SUMMER – 2016 PAPER – I

## SUBJECT: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY & CLINICAL MICROBIOLOGY

Day Date	: Wednesday :01-06-2016	Time: 2.00 P. M. To 5.00 P. Max. Marks: 100
N.B.:		
Q.1	Write in detail about examination of	of various body fluids. [15]
Q.2	Classify jaundice. Describe the label etiology in a patient with jaundice.	poratory tests that are done for establishing the [15]
Q.3	How will you investigate a couple	with infertility? [10]
Q.4	How will you investigate a suspect	ted case of diphtheria? [10]
Q.5	Write a note on hemoparasites.	[10]
Q.6	Write a note on lipid profile.	[10]
Q.7	What are the indications for 24 collected? Add a note on clearance	hour urine examination? How is the sample [10] the tests.
Q.8	Describe ova and cysts found in fa	neces. [10]

\* \* \*

[10]

[10]

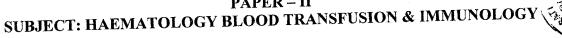
Describe the technique and advantages of liquid based cytology.

Write a note on thyroid function tests.

**Q.9** 

Q.10

#### PARKOT: SUMMER - 2016 PAPER - II





Time: 2:00 P.M .TO 5:00 P.M Max. Marks: 100

Day: Friday
Date: 03-06-2016

N.B.:

Q. 1 and Q. 2 are COMPULSORY. 1)

Attempt ANY SEVEN questions from Q. 3 to Q. 10. 2)

Figures to the right indicate FULL marks. 3)

Q.1	Enumerate adverse reactions to blood transfusion. Describe laboratory diagnosis of a hemolytic transfusion reaction.	[15]
Q.2	Classify causes of pancytopenia. Describe pathogenesis and laboratory diagnosis of pancytopenia.	[15]
Q.3	Write WHO classification of leukemias.	[10]
Q.4	Write a note on prothrombin time and activated partial thromboplastin time.	[10]
Q.5	Enumerate blood components and their specific uses in transfusion medicine.	[10]
Q.6	What are the causes of eosinophilia? Write a note on absolute eosinophil count.	[10]
Q.7	Describe the method of blood grouping and cross matching in a blood bank.	[10]
Q.8	Describe pathogenesis of sickle cell anemia.	[10]
Q.9	Describe diagnostic utility of bone marrow trephine biopsy.	[10]
Q.10	Write a note on reticulocyte count.	[10]

#### PARKOT: SUMMER – 2016 PAPER – III SUBJECT: HISTOPATHOLOGY & MORBID ANATOMY

SUBJECT: HISTOPATHOLOGY & MORBID ANATOMY Time: 2:00 P. M. To 5:00 P.M. : Mondax Day Max. Marks: 100 : 06-06-2016 Date **N.B.**: Q. 1 and Q. 2 are COMPULSORY. 1) Attempt ANY SEVEN questions from Q. 3 to Q. 10. 2) Figures to the right indicate FULL marks. 3) Define oedema. Enumerate various types and pathogenetic mechanisms of [15] **Q.1** oedema. Add a note on pulmonary oedema. Define neoplasia. Describe various laboratory methods for diagnosis of a [15] **Q.2** tumour. Classify ovarian tumours. Add a note on surface epithelial tumours of ovary. [10] Q.3 [10] Write a note on testicular biopsy. **Q.4** [10] Describe the role of oncogenes in carcinogenesis. Q.5 [10] Describe etiopathogenesis of chronic pyelonephritis. **Q.6** Describe pathogenesis and pathology of carcinoma of uterine cervix. [10] **Q.7** Define a granuloma. Enumerate various granulomatous diseases. Add a note on [10] **Q.8** leprosy.

Enumerate malabsorption syndromes. Add a note on celiac disease.

[10]

[10]

and the second

Write pathogenesis and morphology of acute myocardial infarction.

**Q.9** 

Q.10



Time: 2.00 P.M. TO 5.00 P.M

#### PARKOT: SUMMER – 2015 SUBJECT: PAPER – I:

Day: Monday

### CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL MICROBIOLOGY WITH REDENT ADVANCES

Day.		5/2015	Max. Marks: 100
N.B.:	1) 2) 3) 4)	Questions No. 1 and Questions No. 2 are COMPUI Write answers of any SEVEN questions from Question No.10.  Draw neat labeled diagrams WHEREVER necessarigures to the RIGHT indicate full marks.	tions No. 3 to
Q.1		Discuss sputum examination.	(15)
Q.2		Discuss laboratory diagnosis of Gastroenteritis.	(15)
Q.3		Discuss cell block preparation and its diagnostic use.	(10)
Q.4		Discuss serodiagnosis of HIV.	(10)
Q.5		Write on urine preservatives.	(10)
Q.6		Write on automation in clinical pathology.	(10)
Q.7		Discuss role of FNAC in thyroid nodule.	(10)
Q.8		Microscopic examination of stool.	(10)
Q.9		Discuss pregnancy test.	(10)
Q.10		Discuss serum cardiac markers.	(10)

#### PARKOT: SUMMER – 2015 SUBJECT: PAPER – II: HEMATOLOGY, TRANSFUSION MEDICINE AND IMMUNOLOGY WITH RECENT ADVANCES

WED TO THE WED THE WED TO THE WED

	y: Wednesday te: 3/6/2015  Time: 2.00 P.M Max. Marks: 100			
N.B.:	<ol> <li>Questions No. 1 and Questions No. 2 are COMPULSORY.</li> <li>Write answers of any SEVEN questions from Questions No. 3 to Question No.10.</li> <li>Draw neat labeled diagrams WHEREVER necessary.</li> <li>Figures to the RIGHT indicate full marks.</li> </ol>			
Q.1	Discuss laboratory diagnosis of megaloblastic anemia with recent advances.	(15)		
Q.2	Classify leukemia and write diagnosis of acute leukemia.	(15)		
Q.3	Discuss bone narrow aspiration and trephine biopsy.	(10)		
Q.4	Classify hemolytic anemia. Write a note on sickle cell anemia.	(10)		
Q.5	Discuss Aplastic anemia.	(10)		
Q.6	Write on prothrombin time (PT).	(10)		
Q.7	Discuss transfusion transmitted disease.	(10)		
Q.8	Describe plaletel function tests in bleeding disorder.	(10)		
Q.9	Discuss on storage of blood and blood components.	(10)		
2.10	Discuss coombs test.	(10)		

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#### PARKOT: SUMMER – 2015 SUBJECT: PAPER – III:

### HISTO PATHOLOGY, MORBID ANATOMY WITH RECENT ADVANCES

Day: Date:	Friday 5/6/2015	Time: 2.00 P.M. TO 5.00 P.M Max. Marks: 100		
N.B.:	1) Questions No. 1 and Questions No. 2 are COMPULSORY. 2) Write answers of any SEVEN questions from Questions No. 3 to Question No.10. 3) Draw neat labeled diagrams WHEREVER necessary. 4) Figures to the RIGHT indicate full marks.			
Q.1	Discuss Liver Cirrhosis.	(15)		
Q.2	Discuss testicular tumors. Add a note on tumor m	arkers. (15)		
Q.3	Write on Goucher's disease.	(10)		
Q.4	Write on premalignant lesions of breast.	(10)		
Q.5	Write on DLBCL.	(10)		
Q.6	Write on Crohns disease.	(10)		
Q.7	Write on Telepathology.	(10)		
Q.8	Write on etiopathogenesis of emphysema.	(10)		
Q.9	Write on chronic thyroiditis.	(10)		
Q.10	Write on restrictive cardiomyopathy.	(10)		

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PARKOT: JUNE 2014
SUBJECT: PAPER - I: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY
CLINICAL MICORBIOLOGY

Day: Mondax Date: 02.06.2014

Time: 2'00 PM To 5.00 P. N

Max. Marks: 100

N.B.:

1) All questions are **COMPULSORY**.

2) Figures to the right indicate FULL marks.

3) Draw neat diagrams WHEREVER necessary.

Q.1 Discuss laboratory diagnosis of pyrexia of unknown origin.

[25]

Q.2 Discuss the role of FNAC in the evaluation of solitary thyroid nodule.

[25]

Q.3 Discuss the renal function tests and their value in diagnosis of renal disease.

[25]

Q.4 Write short notes on:

[25]

- a) Demonstration of fungus in tissues
- b) Dengue fever
- c) Microscopic examination of stool
- d) Troponins
- e) Selective culture media

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**PARKOT: JUNE 2014** SUBJECT: PAPER - II: HAEMATOLOGY, BLOOD TRANSFUSION

**IMMUNOLOGY** 

: Ixlednesday Day Date : 04-06-2014

Time: 2.00 PM

Max. Marks: 100

N.B.:

1) All questions are COMPULSORY.

2) Figures to the right indicate FULL marks.

- Draw neat diagrams WHEREVER necessary. 3)
- Discuss the classification, diagnosis and prevention of 'Transfusion transmitted [25] Q.1 diseases'.
- Discuss bone marrow aspiration and its role in diagnosis of various diseases. **Q.2** [25]
- Discuss the classification, clinical presentation and laboratory diagnosis of [25] Q.3 Hodgkins lymphoma.
- Q.4 Write short notes on:

[25]

- a) Bombay blood group
- Storage of blood components
- c) Leukemoid reaction
- d) Christmas disease
- Aplastic anaemia

**PARKOT: JUNE 2014** 

SUBJECT: PAPER - III: HISTOPATHOLOGY & MORBID ANATO

: Friday Day

:06-06-2014 Date

Time: 2.00 P.M.

Max. Marks: 100

N.B.:

All questions are COMPULSORY. 1)

- Figures to the right indicate FULL marks. 2)
- Draw neat diagrams WHEREVER necessary. 3)
- Discuss pathophysiology and causes of nephrotic syndrome. Q.1 Describe [25] pathology of kidney in diabetes mellitus.
- Discuss the etiopathogenesis of thrombosis. Add a note on fate of thrombus. **Q.2** [25]
- **Q.3** Discuss CNS tumours. [25]
- **Q.4** Write short notes on: [25]
  - a) Germ cell tumours of ovary
  - b) Osteosarcoma
  - c) Endogeneous pigments
  - Barretts oesophagus
  - Bronchial asthma

## PARKOT : JUNE 2013 SUBJECT : PAPER-II – HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY

Day: Wednesday Date: 05-06-2013

Time: 2:00 PM. TO 5:00 PM.

Max. Marks: 100.

N.B.:

1) All questions are **COMPULSORY**.

- 2) Figures to the RIGHT indicate full marks.
- 3) Draw neat diagrams WHEREVER necessary.
- Q.1 Discuss screening and selective tests for hereditary haemolytic anaemias.

(25)

Q.2 Discuss the role of blood components in current hematology practice.

(25)

- Q.3 Classify myeloproliferative disorders. Discuss the pathogenesis and laboratory (25) diagnosis of polycythemia vera.
- Q.4 Write short notes on:

- a) Graft versus Host disease
- b) Bernard soulier syndrome
- c) Role of flow cytometry in Acute lymphoblastic leukemia
- d) Synthetic blood
- e) Blast crisis.

PARKOT : JUNE 2013
SUBJECT : PAPER-III – HISTOPATHOLOGY AND MORBID ANATOMY

Time: 2:00 P.M Friday 07-06-2013 Max. Marks: 100. **N.B.:** 1) All questions are COMPULSORY. Figures to the RIGHT indicate full marks. 2) Draw neat diagrams WHEREVER necessary. 3) **Q.1** Discuss the etiopathogenesis, pathology and complications of peptic ulcer. (25)Q.2 Classify testicular germ cell tumours. Discuss the various Non-seminomatous germ (25) cell tumours of testis. Q.3 Define Embolism. Discuss various types of embolus. (25)Q.4 Write short notes on: Polyarteritis Nodosa b) Gaucher Disease Hydronephrosis

d)

Phyllodes tumour

Spitz Nevus.

### PARKOT: DEC-- 2013

### SUBJECT: PAPER-I - CLINICAL PATHOLOGY, CHEMICAL PATHOLOG

**CLINICAL MICROBIOLOGY** 

: Monday Date : 02-12-2013 Time: 2-00 P.M . TO 5-00 P.M

Max. Marks: 100.

N.B.:

All questions are COMPULSORY. 1)

- Figures to the RIGHT indicate full marks. 2)
- 3) Draw neat diagrams WHEREVER necessary.
- Q.1 Discuss laboratory diagnosis of PUO.

(25)

**Q.2** Describe kidney function tests and their clinical significance.

(25)

Q.3 Describe semen examination in detail.

(25)

Q.4 Write short notes on:

- Reticulocyte count Methods and clinical applications
- Serodiagnosis of syphilis b)
- **GTT** c)
- Urinary deposits d)
- Relevance of CD<sub>4</sub> count in HIV disease monitoring.

## PARKOT: DEC- 2013 SUBJECT: PAPER-II - HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY

Day: Wednesday
Date: 04-12-2013

Time: 2.00 P.M. To 5-00 P.M.

Max. Marks: 100.

#### N.B.:

- 1) All questions are **COMPULSORY.**
- 2) Figures to the RIGHT indicate full marks.
- 3) Draw neat diagrams WHEREVER necessary.
- Q.1 Discuss aetiopathogenesis and laboratory diagnosis of autoimmune haemolytic (25) anaemia.
- Q.2 Enumerate blood transfusion reaction. Discuss in detail investigations in a case of (25) mismatched transfusion reaction.
- Q.3 Discuss aetiopathogenesis and laboratory investigations in case of DIC. (25)
- Q.4 Write short notes on:

(25)

- a) Tumour immunity
  - b) Staging of CLL
  - c) Agranulocytosis
  - d) Plasmapheresis
  - e) Aplastic anaemia.

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PARKOT: DEC - 2013

SUBJECT: PAPER-III - HISTOPATHOLOGY AND MORBID ANA : friday : 06-12-2013 Day Time: 2-00PM Max. Marks: 100. Date **N.B.:** All questions are COMPULSORY. 1) 2) Figures to the RIGHT indicate full marks. 3) Draw neat diagrams WHEREVER necessary. Q.1 Discuss the risk factors, pathogenesis and complications of atherosclerosis. (25)Q.2 Classify and discuss the pathology of melanocytic tumours of skin. (25) Q.3 Define and classify shock. Describe in detail the pathogenesis and pathology of (25) septic shock. **Q.4** Write short notes on: (25) Asbetos related lung diseases a)

Medulloblastoma

Complications of healing.

Oncogenes

Gleasons grading for carcinoma prostate

b)

c)

d)

PARKOT: Oct-NOV- 2012

SUBJECT: PAPER-I- CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY

AND CLINICAL MICROBIOLOGY

(D.C.P.)

Fridory Day Date

14-12-2012

Time: 2:00P.M.TO 5:00PM.

Max. Marks: 100.

N.B.:

All questions are COMPULSORY. 1)

- Draw neat diagrams WHEREVER necessary. 2)
- Figures to the RIGHT indicate full marks. 3)
- Q.1 Describe body fluid examination in detail.

(25)

- Q.2 Mention the indication and contraindications of lumbar puncture and discuss (25) laboratory findings in various meningitis.
- Q.3 Discuss laboratory diagnosis of gastroenteritis.

(25)

**Q.4** Write short notes on:

- a) Advantages and limitations of FNAC
- b) Bence jones proteins
- Selective culture medias
- Glycosylated Haemoglobin
- Gastric analysis.

#### PARKOT: Oct-NOV-2012 SUBJECT: PAPER-II - HAEMATOLOGY, BLOOD TRANSFUSION AND **IMMUNOLOGY**

(D.C.P.)

: Saturday : 15-12-2012 Day Date

Time: 2100 P.M. TO 5:00 P.M.

Max. Marks: 100.

#### N.B.:

- All questions are COMPULSORY. 1)
- Draw neat diagrams WHEREVER necessary. 2)
- Figures to the **RIGHT** indicate full marks. 3)
- Q.1 Classify anaemias. Write in detail about megaloblastic anaemia. (25)
- Q.2 Discuss blood component preparation and their uses. (25)
- Q.3 Discuss classification, etiopathology and laboratory diagnosis of Acute (25) Myeloid Leukemia.
- Q.4 Write short notes on:

- a) Absolute indices of blood
- b) Coombs test
- Thrombocylopenia
- d) Bone marrow biopsy
- Selection of a blood donor.

PARKOT: OCT-NOV-2012.
SUBJECT: PAPER-III – HISTOPATHOLOGY AND MORBID ANATOM (D.C.P.)

Day: Monday
Date: 17-12-2012

Time: 2:00 P.M. TO 5:00 P.M

Max. Marks: 100.

#### **N.B.**:

1) All questions are **COMPULSORY.** 

- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the **RIGHT** indicate full marks.
- Q.1 Write in detail about ischemic heart disease.

(25)

Q.2 Discuss in detail bone tumours.

(25)

Q.3 Describe the classification, pathogenesis and diagnosis of amyloidosis.

(25)

Q.4 Write short notes on:

(25)

- a) Fatty liver
- b) Tumour markers
- c) Dermoid cyst
- d) Phagocytosis
- e) Trisomy 21.

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#### PARKOT : JUNE 2012 SUBJECT : PAPER-I- CLINICAL PATHOLOGY, CHEMICAL PATHOLO AND CLINICAL MICROBIOLOGY

(D.C.P.) -1

Day : Saturday Date : 02.06.2012 Time: 2:00 RM. To 5:00 RM,

Max. Marks: 100.

1) All questions are COMPULSORY.

- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the RIGHT indicate full marks.
- Q.1 Define and classify jaundice. Describe laboratory investigations in a case of (25) jaundice.
- Q.2 Discuss in detail investigations in male infertility.

(25)

Q.3 Discuss laboratory diagnosis of Enteric fever.

(25)

**Q.4** Write short notes on:

- a) Principles of flow cytometry
- b) Crystals in urine
- c) Glycosylated Haemoglobin
- d) Tissue processing
- e) Lipid profile.

#### PARKOT : JUNE 2012 SUBJECT : PAPER-II - HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY

(D.C.P.) 2

Day: Monday
Date: 04.06-2012

Time: 200 P.M. To 5-00 P.M

Max. Marks: 100.

#### **N.B.:**

- 1) All questions are COMPULSORY.
- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the RIGHT indicate full marks.
- Q.1 Enumerate blood transfusion reactions. Describe in detail investigations in a (25) case of mismatched transfusion reaction.
- Q.2 Describe etiology, pathogenesis, peripheral blood picture and bone marrow (25) findings in iron deficiency anemia.
- Q.3 Define Leukemia. Classify them. Write in detail about AML. (25)
- Q.4 Write short notes on:

- a) Selection of a blood donor
- b) Thrombocytopenia
- c) Tuberculin test
- d) Anaphylaxis
- e) Hemophilia.

#### **PARKOT: JUNE 2012** SUBJECT: PAPER-III - HISTOPATHOLOGY AND MORBID ANATOMY (D.C.P.) -3



: Wednesday : 06.06.2012 Day

Time: 2:00 RM: To 5-00 RM. Max. Marks: 100.

#### N.B.:

- All questions are COMPULSORY. 1)
- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the RIGHT indicate full marks.
- Q.1 Define thrombosis. Describe etiopathogenesis and complications of (25) thrombosis.
- Q.2 Describe ulcerative lesions of the gastrointestinal tract. Write in detail about (25) ulcerative colitis.
- Q.3 Discuss germ cell tumours of ovary.

(25)

Q.4 Write short notes on:

- Complements
- Hashimotos disease
- Mechanism of spread of tumour
- **Apoptosis** d)
- Cellular events of acute inflammation.

D. C.P.

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PARKOT: JUNE 2011

SUBJECT: PAPER-I: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL MICROBIOLOGY (D. C.P.)

Day : Saturday

: 04-06-2011

Time: 2:00 P.M. TO 5:0

Max. Marks: 100

N.B.:

1) All questions are COMPULSORY.

- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the **RIGHT** indicate full marks.
- Q.1 Discuss laboratory diagnosis in a case of diarrhoea.

(25)

- Q.2 Discuss different investigations done on urine with special mention to its collection (25) and significance of each test.
- Q.3 Discuss significance of fine needle aspiration cytology in thyroid lesions. (25)
- Q.4 Write short notes on:

- a) Microscopic examination of stool
- b) Cardiac markers
- c) Breast FNAC
- d) Principles of flow cytometry
- e) Lab diagnosis in leprosy.

D. C. P.

## PARKOT: JUNE 2011 SUBJECT: PAPER-II: HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY ( ) ( )

Day Date Monday

06-06-2011

Time: 2:00 P.M. TO 5:00

Max. Marks: 100

N.B.:

1) All questions are COMPULSORY.

- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the **RIGHT** indicate full marks.

Q.1 Classify anemias. Discuss macrocytic anemias in detail.

(25)

- Q.2 Classify disorders of immune system. Discuss in detail immunological deficiency (25) syndromes.
- Q.3 Discuss in detail Hodgkins lymphoma.

(25)

**Q.4** Write short notes on:

- a) Blood transfusion reactions
- b) Role of IHC in Leukemia/ Lymphoma
- c) Hereditory spherocytosis
- d) Coombs test
- e) Preparation and storage of blood components.

#### PARKOT: JUNE 2011

#### SUBJECT: PAPER-III: HISTOPATHOLOGY AND MORBID ANATOMY

: Wednesday : 08.06-2011 Day

(D. D.P.)

Time: 2'. DO. P.M. TO 5:0

Max. Marks: 100

#### N.B.:

- All questions are COMPULSORY. 1)
- 2) Draw neat diagrams WHEREVER necessary.
- 3) Figures to the RIGHT indicate full marks.

Q.1 Discus in detail leprosy.

(25)

Q.2 Discuss testicular tumours.

(25)

Q.3 Discuss in detail embolism.

**(25)** 

Q.4 Write short notes on:

- a) Multiple myeloma
- b) Apoptosis
- Gouty arthritis c)
- d) Osteoid osteoma
- Classification of CNS tumours.

DEP. Patholog

#### PARKOT: JUNE 2010

## SUBJECT : CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL MICROBIOLOGY PAPER-I

Time: 2.00 P. M. To 5.00 P. M. Max. Marks: 100. : Saturday Day :05-06-2010 N.B.: All questions are COMPULSORY. 1) Figures to the right indicate FULL marks. 2) Q.1 Define and classify hormones. Discuss diagnostic utility of hormones in case of (25) infertility. (25)Q.2 Discuss lipid profile in details. Q.3 Discuss laboratory investigations in a case of food poisoning. (25)(25)Q.4 Write short notes on: Diagnostic utility of exfoliative cytology a) Microscopic examination of urine b)

Waste disposal in a clinical laboratory

Body fluid examinations.

Newer methods for laboratory diagnosis of TB.

c)

d)

e)

#### PARKOT : JUNE 2010 SUBJECT : HAEMATOLOGY, BLOOD TRANSFUSION & IMMUNOLOGY PAPER-II

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Day: Monday
Date: 07-06-2010

Time: 2:00 PMTO 5:00 PM

Max. Marks: 100.

N.B.:

1) All questions are **COMPULSORY.** 

- 2) Figures to the right indicate **FULL** marks.
- Q.1 Discuss bone marrow examination and its significance in detail. (25)
- Q.2 Describe the blood coagulation cascade with special emphasis on the current (25) concepts.
- Q.3 Discuss in detail different types of immunological reactions. (25)
- Q.4 Write short notes on:

- a) Hypereosinophilic syndrome
- b) Transfusion transmitted diseases
- c) Pathogenesis of amyloidosis
- d) Paroxysmal nocturnal haemoglobinuria
- e) Laboratory investigations in a case of microcytic hypochromic anaemia.



#### PARKOT: JUNE 2010 SUBJECT: HISTOPATHOLOGY & MORBID ANATOMY **PAPER-III**

: Wednesday Day Date :09-06-2010

Time: 2:00 P. M. To 5:00 P. M. Max. Marks: 100.

N.B.:

All questions are COMPULSORY. 1)

- Figures to the right indicate FULL marks. 2)
- Q.1 Discuss in detail process of repair of a fractured bone. Add a note on growth (25) factors.
- Q.2 Discuss pathophysiology of shock.

(25)

Q.3 Discuss prostatic carcinoma including prognostic parameters and markers.

(25)

Q.4 Write short notes on:

- Acute phase reactants a)
- Paraneoplastic syndromes b)
- Indian childhood cirrhosis **c**)
- Ulcerative colitis d)
- Mesothelioma. e)

#### PARKOT: Oct. Nov-2010 SUBJECT: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL **MICROBIOLOGY PAPER-I**

(D.C.P.)

: Saturday Day Date

:04.12.2010

Time: 2.00 PINTO 5.00 P.M. Max. Marks: 100.

N.B.:

All questions are COMPULSORY. 1)

- 2) Figures to the right indicate FULL marks.
- Q.1 Give morphological classification of clinically important fungi. Discuss laboratory diagnosis of mycotic infections in humans.
- (25)Q.2 Discuss in detail viral hepatitis.
- Q.3 Enumerate causative microbes of meningitis. Discuss C.S.F. examination in detail. (25)
- (25)Q.4 Write short notes on:
  - Amniotic fluid examination a)
  - Role of sorbitol pathway in diabetic complications b)
  - Widal test c)
  - Concentration method for stool examination d)
  - Role of FNAC in thyroid lesions. e)

#### PARKOT: Oct. Nov- 2010 SUBJECT: HAEMATOLOGY, BLOOD TRANSFUSION & IMMUNOLOGY PAPER-II



D.C.P.

Day : Monday
Date : 06-12-2010

Time: 2:00 PM-TO 5:00 PM

Max. Marks: 100.

#### N.B.:

- 1) All questions are COMPULSORY.
- 2) Figures to the right indicate FULL marks.
- Q.1 Discuss in detail inherited haemolytic anaemias.

(25)

- Q.2 Describe steps in establishing a blood component laboratory. Add a note on rational use of blood. (25)
- Q.3 Define and classify amyloidosis. Describe its pathogenesis and clinical effects of amyloidosis. (25)
- Q.4 Write short notes on:

- a) Prothnombin time
- b) Laboratory diagnosis of megaloblastic anaemia
- c) Chronic myeloproliferative disorders
- d) Anaphylaxis
- e) Coomb's test.

### PARKOT: OCT. NOV- 2010 SUBJECT: HISTOPATHOLOGY & MORBID ANATOMY PAPER-III (D&P)



: Wednesday

Fat embolism.

e)

Time: 2.00 P. M. TO 5.00 P.M.

Day	•		Max. Marks : 100.	
N.B.:	1) 2)	All questions are <b>COMPULSORY</b> . Figures to the right indicate <b>FULL</b> marks.		
Q.1	Discus	ss aetiopathogenesis of cell injury.	(25)	
Q.2	Discu	ss tubulointerstitial diseases of kidney.	(25)	
Q.3	Define	e and classify vasculitis syndromes. Discuss t	heir pathogenesis. (25)	
Q.4	Write	short notes on:	(25)	
	a)	Role of biopsy in inherited metabolic disorder	ers	
	b)	D/D of small round cell tumours		
	c)	Chronic gastritis		
	d)	Decalcification		

## PARKOT : JUNE 2009 SUBJECT : CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY & CLINICAL MICROBIOLOGY PAPER - I

LIBRARY COULS

Day Date	: S : 6	aturday 6-06-2009	Time :2:00 P.M. To 5:00 P.M. Max. Marks: 100
N.B.	1)	All questions are <b>COMPULSORY</b> . Figures to the right indicate <b>FULL</b> marks.	
Q.1		Discuss lab diagnosis of diarrhoea in childre	en. (25)
Q.2		Discuss body fluid examination.	(25)
Q.3		Discuss Lab diagnosis of plasma cell dyscras	sias. (25)
Q.4		Write short notes on:	(25)
	a)	Interpretation of a cervical PAP smear	
	b)	Newer methods of lab diagnosis of TB	
	c)	Thyroid function tests	
	d)	Glucose tolerance test	
	e)	Microsocopic examination of urine	

#### PARKOT : JUNE 2009 SUBJECT : HAEMATOLOGY, BLOOD TRANSFUSION & IMMUNOLOGY PAPER - II



Day : Monday
Date : 08-06-2009

Time : 2.00 P.M. To 5.00 P.M.

Max. Marks: 100

N.B.

1) All questions are COMPULSORY.

2) Figures to the right indicate FULL marks.

- Q.1 Discuss in detail cell mediated immunity and any one disease in which CMI plays an important role. (25)
- Q.2 Classify anaemias. Discuss nutritional anaemias in detail. (25)
- Q.3 Discuss in detail lab investigations in a case of haemorrhagic disorder. (25)
- Q.4 Write short notes on: (25)
  - a) Leukaemoid reaction
  - b) Reticulocyte count
  - c) Systemic lupus erythematosus
  - d) Setting up of a blood bank
  - e) Preparation and storage of blood components

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#### PARKOT : JUNE 2009 SUBJECT : HISTOPATHOLOGY & MORBID ANATOMY PAPER - III

: Wednesday Time : 2.00 P.M. To 5.00 P.M Day :10.06.2009 Max. Marks: 100 Date N.B. All questions are COMPULSORY. 1) 2) Figures to the right indicate FULL marks. **Q.1** Discuss in detail Leprosy. (25) Discuss amyloidosis in detail. **Q.2** (25) Q.3 Discuss lung tumours in detail. (25) Write short notes on: **Q.4** (25)Growth factors a) Oncogenes b) Malabsorption syndromes c) Angiomyolipoma d) Classification of CNS tumours. e)

### PARKOT –I: JUNE – 2008 SUBJECT: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL MICROBIOLOGY (Paper-I)

RM-TO 5:00-PM.

Day:	Day: Saturday		Time: 2:00 P.M.TO 5	
		6-2008	Max. Marks:	100
N.B.:				
	1)	All questions are COMPULSORY.		
	2)	All questions carry EQUAL marks.		
	3) 4)	Figures to the right indicate <b>FULL</b> marks Neat diagrams must be drawn wherever necessary.	- · · · · · · · · · · · · · · · · · · ·	
Q.1	Discu	ss the lab investigations in a suspected case of meningitis.		(25)
Q.2	Discu	ss lipid profile in detail.		(25)
Q.3	Discu	ess renal function tests in detail.		(25)
Q.4	Write	short notes on any <b>FIVE</b> of the following:		(25)
	a)	Throat swab		
	<b>b</b> )	Biomedical waste and its disposal		
	c)	Sr. Bilirubin		
	,	Lab diagnosis of malaria		
	d)	•		
	e)	Quality control in clinical laboratory		
	f)	Superficial fungal infections		

## PARKOT -I JUNE - 2008 SUBJECT: HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY (Paper-IL)

Day: Monday Time: 2:00 P.M. TO 5:00 P.M. Max. Marks: 100 Date: 09-06-2008 N.B.: All questions are COMPULSORY. 1) All questions carry EQUAL marks. 2) 3) Figures to the right indicate FULL marks Neat diagrams must be drawn wherever necessary. 4) Q.1 Classify anaemias. Discuss aetiopathogenesis and investigations of macrocytic (25) anaemias. (25)Q.2 Discuss blood component therapy and its significance. Classify immunological reactions. Describe pathogenesis and pathology of (25) Q.3 rheumatic heart disease (25)Q.4 Write short notes on any FIVE of the following: Lab diagnosis of syphilis a) Polycythaemia b) Pathogenesis of acute leukaemias c) Platelet count d) Coomb's test e) Autologous blood transfusion f)



## PARKOT -I JUNE - 2008 SUBJECT: HISTOPATHOLOGY AND MORBID ANATOMY (Paper - III)

Time: 2:00 PM TO 5:00 P.M. Day: Wednesday Date: 11-06-2008 Max. Marks: 100 N.B.: All questions are COMPULSORY. 1) 2) All questions carry EQUAL marks. Figures to the right indicate FULL marks 3) Neat diagrams must be drawn wherever necessary. 4) Give a complete account of chemical mediators of inflammation. (25)(25)Q.2 Discuss aetiopathogenesis and pathology of emphysema. Q.3 Classify ovarian tumours. Describe pathology of functioning ovarian tumours. (25)(25)Write short notes on any FIVE of the following: Gleason's grading a)

Ewing's sarcoma

Chronic hepatitis

Primary amyloidosis

Fat embolism

Squamous intraepithelial lesions

b)

c)

d)

e)

f)

### PARKOT –I: JUNE – 2008 SUBJECT: CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY AND CLINICAL MICROBIOLOGY (Paper-I)

05:00 P.M.

Day: Saturday		Time: 2!00 P.M. 10 5!		
Date:	07-0	6-2008	Max. Marks:	100
N.B.:				· · · · · · · · · · · · · · · · · · ·
	1)	All questions are COMPULSORY.		
	2)	All questions carry EQUAL marks.		
	3)	Figures to the right indicate FULL marks	* * * * * * * * * * * * * * * * * *	
***************************************	4)	Neat diagrams must be drawn wherever necessary.		
Q.1	Discus	es the lab investigations in a suspected case of meningitis.		(25)
Q.2	Discus	ss lipid profile in detail.		(25)
Q.3	Discus	es renal function tests in detail.		(25)
Q.4	Write	short notes on any FIVE of the following:		(25)
	a)	Throat swab		
	<b>b</b> )	Biomedical waste and its disposal		
	c)	Sr. Bilirubin		
	d)	Lab diagnosis of malaria		
	u,	Tuo diagnosio di matata		

Quality control in clinical laboratory

Superficial fungal infections

e)

f)

## PARKOT -I JUNE - 2008 SUBJECT: HAEMATOLOGY, BLOOD TRANSFUSION AND IMMUNOLOGY (Paper-II)

Day: Monday
Date: 09-06-2008

Time: 2:00 P.M.TO 5:00 P.M.

Max. Marks: 100

#### N.B.:

- 1) All questions are **COMPULSORY**.
- 2) All questions carry **EQUAL** marks.
- 3) Figures to the right indicate FULL marks
- 4) Neat diagrams must be drawn wherever necessary.
- Q.1 Classify anaemias. Discuss aetiopathogenesis and investigations of macrocytic (25) anaemias.
- Q.2 Discuss blood component therapy and its significance. (25)
- Q.3 Classify immunological reactions. Describe pathogenesis and pathology of (25) rheumatic heart disease
- Q.4 Write short notes on any FIVE of the following: (25)
  - a) Lab diagnosis of syphilis
  - b) Polycythaemia
  - c) Pathogenesis of acute leukaemias
  - d) Platelet count
  - e) Coomb's test
  - f) Autologous blood transfusion

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## PARKOT -I JUNE - 2008 SUBJECT: HISTOPATHOLOGY AND MORBID ANATOMY (Paper - III)

Day: Wednesday

Date: 11 06-2008

Time: 2:00 P.M. 70 5:00 P.M.

Max. Marks: 100

Chronic hepatitis

Primary amyloidosis

Fat embolism

d)

**e**)

f)

N.B.: All questions are **COMPULSORY**. 1) 2) All questions carry EQUAL marks. 3) Figures to the right indicate FULL marks Neat diagrams must be drawn wherever necessary. 4) (25)Give a complete account of chemical mediators of inflammation. Q.2 Discuss aetiopathogenesis and pathology of emphysema. (25)Classify ovarian tumours. Describe pathology of functioning ovarian tumours. (25)(25)Write short notes on any FIVE of the following: Gleason's grading a) Ewing's sarcoma b) Squamous intraepithelial lesions c)

PARKOT-I: JUNE 2007 PATHOLOGY PAPER - I CLINICAL PATHOLOGY, CHEMICAL PATHOLOGY & CLINICAL MICROBIOLOGY

Day Date Tuesday

12/06/2007

Time : 2:00 p.m. to 5:00 p.m.

Max. Marks: 100

#### **INSTRUCTIONS TO CANDIDATES:**

- 1) All question are COMPULSORY.
- 2) All questions carry EQUAL marks.
- 3) Figures to the right indicate FULL marks.
- 4) Neat diagrams must be drawn wherever necessary.
- Q.1 Describe various biosafety measures while working in the laboratory. (25)**Q.2** Discuss in details, how you will examine sputum in a case of cough with expectorations and haemoptysis. (25)Discuss investigations in a case of male infertility. Q.3 (25)Write short notes on any FIVE of the following: (25)Q.4 a) Bence Jones proteins Serum creatinine b) 'C' Reactive proteins c)
  - CSF in Froin's syndrome d)
  - Glycosaleted Haemoglobin e)

## PARKOT-I: JUNE 2007 PATHOLOGY PAPER – II HAEMATOLOGY, BLOOD TRANSFUSION & IMMUNOLOGY

Day Date Wednesday

13/06/2007

Time : 2:00 p.m. to 5:00 p.m.

Max. Marks: 100

### INSTRUCTIONS TO CANDIDATES:

- 1) All question are COMPULSORY.
- 2) All questions carry EQUAL marks.
- 3) Figures to the right indicate FULL marks.
- 4) Neat diagrams must be drawn wherever necessary.
- Q.1 Discuss coagulation disorders and their laboratory diagnosis. (25)
- Q.2 Give an account of immunoglobulins. (25)
- Q.3 Discuss investigations in blood transfusion reactions. (25)
- Q.4 Write short notes on any FIVE of the following: (25)
  - a) Transplacental haemorrhage
    - b) Lab diagnosis of Thalassemia
    - c) Lectins and their significance
    - d) Platelet concentrate
    - e) CD 4/CD8
    - f) Apheresis