



BB-2106120501010001

M. D. (Pathology) Examination  
April - 2022

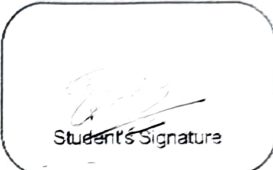
Paper - I : Basic Medical Sciences as  
Applied to Pathology

Time : 3 Hours]

[Total Marks : 100

**Instruction :**

(1)

नीचे दृष्टावेक निशानीवाणी विअतो कनरवडी पर अवश्य कनवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
M. D. (Pathology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Paper-I : Basic Medical Sciences as Applied to Pathology	<input type="text"/>
Subject Code No. :	Section No. (1, 2,.....) : NIL
2 1 0 6 1 2 0 5 0 1 0 1 0 0 0 1	

- (2) All questions are compulsory.
- (3) Write legibly.
- (3) Figures to the right indicate full marks.

- 1 Enumerate and explain in brief the cellular and molecular hallmarks of cancer. Discuss in details different ways of self-sufficiency in Growth Signals in tumour cells. 25
- 2 Describe how plasma membrane protection and nutrient acquisition takes place in health. Enumerate all diseases caused by channel abnormalities and describe any one disease caused by mutations in genes encoding channels. 25
- 3 Describe role of endothelium in hemostasis and shock. Describe etiopathogenesis and progress of septic shock. 25
- 4 Write short notes on : 13+12=25
  - (a) Familial Hypercholestroemia
  - (b) Pathogenesis of HIV infection and AIDS.



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Diploma in Clinical Pathology Examination  
April - 2022

Paper - II : Systemic Pathology & Cytology

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे ध्यानपूर्वक निम्नलिखित विवरणों की भरपूर जानकारी पर अवश्य दें।  
Fillup strictly the details of signs on your answer book.

Name of the Examination  
Diploma in Clinical Pathology

Name of the Subject :  
Paper - II : Systemic Pathology & Cytology

Section No. (1, 2,.....) NIL

Subject Code No :  
2 0 0 6 2 5 0 1 0 1 0 2 0 0 0 1

Seal No.:

			8	9	3
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K. S. Moudgil

Student's Signature

- (2) All questions are compulsory  
(3) Draw diagrams where necessary  
(4) Figures on the right indicate maximum marks.

- |   |   |       |
|---|---|-------|
| 1 | Discuss pathology of salivary gland tumour.       | 25    |
| 2 | Discuss Cardiomyopathy.                           | 25    |
| 3 | Discuss cytological examination of body fluids.   | 25    |
| 4 | Short Notes                                       | 15+10 |
|   | (a) Role of FNAC in diagnosis of liver tumor.     |       |
|   | (b) Gleason's grading of prostate Adenocarcinoma. |       |



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M. D. (Pathology) Examination

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Paper - III : Haematology, Clinical Pathology,  
Clinical Biochemistry, Transfusion Medicine

Time : 3 Hours]

[Total Marks : 100

**Instruction :**

(1)

नीचे दृष्टावेक निशान्तीवाणी विगतो उत्तरवही पर अवश्य लम्बी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
☛ M. D. (Pathology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ Paper-III : Haematology, Cli. Pathology, Cli. Biochem., Transfusion Medicine	<input type="text"/>
☛ Subject Code No.:	Section No. (1, 2,.....) : <input type="text"/>
2 1 0 6 1 2 0 5 0 1 0 3 0 0 0 1	<input type="text"/>
	 Student's Signature

- (2) All questions are compulsory.  
(3) Write legibly.  
(4) Figures to the right indicate full marks.

- 1 Discuss Immune Hemolytic Anaemias. 25
- 2 Discuss hemoglobinopathy detection by Electrophoresis and HPLC 25
- 3 Explain significance of Minimal Residual Disease in Acute Leukemia. Mention few sensitive techniques for its detection. 25
- 4 Write short notes on : 13+12=25
- (a) Principle and Application of Gel technology in Blood Banking.
- (b) Flow cytometry in Paroxysmal Nocturnal Hemoglobinuria.

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[ 40 ]

