



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 दशांशवैव <input type="checkbox"/> निशान्तीवाणी विजतो कितरवही पर अवश्य दपवी. Fillup strictly the details of <input type="checkbox"/> signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> M. D. (Pathology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Paper-I : Basic Medical Sciences as Applied to Pathology	<input type="text"/>
<input type="checkbox"/> Subject Code No. :	<input type="text"/>
<input type="checkbox"/> Section No. (1, 2,.....) :	<input type="text"/>
<input type="checkbox"/> 2 1 0 6 1 2 0 5 0 1 0 1 0 0 0 1	<input type="text"/>
	Student's Signature

(2) All questions are compulsory.

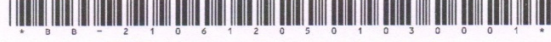
(3) Write legibly.

(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.

BB-2106120501010001]

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BB-2106120501030001

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

Time : 3 Hours]

[Total Marks : 100

Instruction :

(1)

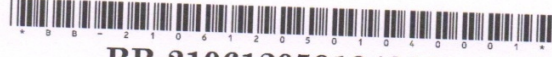
नीचे दृष्टवैव <input type="checkbox"/> निशान्तीवाणी विञतु उतारवही पर अवश्य दणवी. Fillup strictly the details of <input type="checkbox"/> signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> M. D. (Pathology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Paper-III : Haematology, Cli. Pathology, Cli. Biochem., Transfusion Medicine	<input type="text"/>
<input type="checkbox"/> Subject Code No. :	<input type="text"/>
<input type="checkbox"/> Section No. (1, 2,.....) : NIL	<input type="text"/>
<input type="text" value="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.

BB-2106120501030001]

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BB-2106120501040001

M. D. (Pathology) Examination

April - 2022

Paper - IV : Recent Advances in Pathology

Time : 3 Hours]

[Total Marks : 100

Instruction :

(1)

नीचे दशांश के विधानों पर उत्तरवही पर अवश्य दक्षी. Fillup strictly the details of signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination : M. D. (Pathology)	<div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: 100px; height: 100px; margin: 0 auto;">Student's Signature</div>
Name of the Subject : Paper - IV : Recent Advances in Pathology	
Subject Code No. : 2 1 0 6 1 2 0 5 0 1 0 4 0 0 0 1	
Section No. {1, 2,.....} : NIL	

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

- 1 Describe Milan scoring system for reporting of Salivary gland cytopathology. 25
- 2 Describe Next Generation sequencing and its applications. 25
- 3 Write notes on : 13+12
 - (a) Epigenetics
 - (b) Tensins in health and disease
- 4 Write notes on : 13+12
 - (a) DNA fingerprinting
 - (b) Calmodulin and CaM like domains in health and disease

BB-2106120501040001]

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