



RAN-2406120601010501

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Doctor Of Medicine Examination August - 2026

Pathology (Paper - I)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) All questions are compulsory.
- (3) Write Legibly
- (4) Figures to the right indicate full marks.

Seat No.:

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Student's Signature

- Q.1. Describe the effects of growth factors and their receptors in neoplasia. (20)
- Q.2. Define obesity and discuss its etiopathogenesis and consequences. (20)
- Q.3. Write Short Notes on each (10×6=60)
- a) Endothelial cell in health and disease.
 - b) Acute phase reactants.
 - c) Mechanisms of generation and removal of free radicals.
 - d) Genomic imprinting in human disease.
 - e) Hazards of smoking in health.
 - f) AIDS defining opportunistic infections.

RAN-2406120601010502
Doctor Of Medicine Examination August - 2026
Pathology (Paper - II)
Time: 3 Hours]
[Total Marks: 100

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) All questions are compulsory. (3) Write Legibly (4) Figures to the right indicate full marks.	Seat No.: Student's Signature
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- Q.1.** Discuss the pathology of polypoidal lesions of colon. (20)
- Q.2.** Describe the recent WHO classification of lung tumors. Discuss about etiopathogenesis, morphology and molecular diagnosis of lung carcinoma (20)
- Q.3.** Write Short Notes on each. (6×10=60)
- Describe the Bethesda system for cervical cytology and pitfalls in diagnosis of HSIL on pap smear.
 - Cardiac valve vegetations -type, example and implications.
 - Role of IHC in spindle cell tumors.
 - Autoimmune hepatitis- pathophysiology and histomorphology.
 - Castleman's disease.
 - Papillary urothelial lesions.

RAN-2406120601010503
M.D. (Pathology) Examination August - 2026
(PAPER III)
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) All questions are compulsory.
- (3) Write Legibly
- (4) Figures to the right indicate full marks.

Seat No.:

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Student's Signature

- Q.1.** Describe pathophysiology, laboratory diagnosis, differential diagnosis and prognostic markers in chronic lymphocytic leukemia. **20**
- Q.2.** Discuss the laboratory tests in a case of bleeding disorders. **20**
- Q.3.** **Write Short Notes on each** **10×6 = 60**
- a. Clinical features and diagnostic criteria of APLA (Antiphospholipid antibodies).
 - b. Quality control in blood bank.
 - c. Laboratory investigations in male infertility.
 - d. Role of HPLC in hemoglobinopathies.
 - e. Laboratory approach to plasma cell dyscrasias.
 - f. Autoimmune hemolytic anemia


RAN-2406120601010504
Doctor of Medicine (Pathology) Examination August - 2026
PAPER - IV
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) All questions are compulsory.
- (3) Write Legibly.
- (4) Figures to the right indicate full marks.

Seat No.:

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Student's Signature

- Q.1.** Discuss in detail about HPV and discuss its role in the pathogenesis of cervical carcinoma. 20
- Q.2.** Discuss the molecular classification of breast carcinoma and its role in prognosis and therapy. 20
- Q.3.** Write Short Notes on each 10 × 6=60
- a) Recent advances and role of AI in pathology.
 - b) Gene microarray.
 - c) B-RAF mutations in cancer.
 - d) Stem cell in health and disease.
 - e) Recent classification of thyroid tumors.
 - f) Microsatellite instability in neoplasia.