

**GASTROENTEROLOGY**

PAPER – II

GASTRO/D/16/10/II

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Role of antiviral treatment for hepatocellular carcinoma (HCC) prevention. 3+3+4  
b) Integration of genomic information in the clinical management of HCC.  
c) Prognosis prediction and staging.
2. a) IgG4 related sclerosing cholangitis. 2+2+6  
b) IgG4 related autoimmune hepatitis.  
c) Current concepts and diagnosis of IgG4 related pancreatitis.
3. a) Definition and diagnosis of acute-on-chronic liver failure (ACLF). 2+2+3+3  
b) Inflammatory response and immune function in ACLF.  
c) Prognosis and biomarkers in ACLF.  
d) Management of ACLF.
4. a) Diagnosis of drug induced liver injury (DILI). 3+3+4  
b) Drug induced hepatic steatosis.  
c) Anti-tuberculosis therapy induced DILI.
5. Regarding antiviral therapy of Hepatitis C: 4+4+2  
a) Interferon-free strategies with a nucleoside/nucleotide analogue.  
b) Interferon-free strategies without a nucleoside/nucleotide analogue.  
c) Interferon-free regimens in the liver transplant setting.
6. a) Immunopathogenesis of Hepatitis E virus (HEV). 3+4+3  
b) HEV infection in immunosuppressed patients: Natural history and therapy.  
c) Hepatitis E vaccine.

**P.T.O.**

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7. Write the following in relation to pancreatic calculi: 2+2+2+2+2  
a) Composition.  
b) Endoscopic therapy.  
c) Extracorporeal shock wave lithotripsy.  
d) Pancreatoscopy.  
e) Role of Surgery.
8. Write the following clinical perspectives on sphincter of Oddi dysfunction. 3+2+2+3  
a) Definition and consensus criteria.  
b) Pharmacologic therapy.  
c) Endoscopic therapy.  
d) Current state of knowledge.
9. Pancreatic walled off necrosis (WON): 2x5  
a) Epidemiology.  
b) Diagnosis of WON.  
c) Diagnosis of infection.  
d) Indications for treatment.  
e) Endoscopic management.
10. Write the following with relation to benign liver tumours: 5+5  
a) Imaging of hepatic hemangioma.  
b) Clinical presentation and diagnosis of hepatic adenoma.

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