

SURGICAL ONCOLOGY

PAPER-III

Time: 3 hours
Max. Marks:100

SURGONCO/D/20/47/III

Important Instructions:

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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) What is anterior skull base? 2+5+3
b) Recent advances in skull base surgery.
c) Complications of skull base surgery.
2. a) What is a trans-anal total Meso-rectal excision(TaTME)? 3+4+3
b) Describe the procedure.
c) Describe the evidence supporting it.
3. a) Embryo cryopreservation. 3+3+4
b) Semen cryopreservation.
c) Ovarian transposition.
4. Genetic counselling: 3+4+3
a) Indications.
b) Components of a counselling session.
c) Issues in cancer genetic counselling.
5. Clinical and therapeutic significance of ITC (Isolated Tumor Cell) and 5+5
micro-metastases.
6. a) What is HIPEC and EPIC? 2+4+4
b) Role of HIPEC in various cancers.
c) Describe evidence for therapeutic indications for HIPEC in advanced epithelial ovarian cancers.
7. a) Mention main approaches in cancer immunotherapy. 5+5
b) Cancer vaccines and current evidence.
8. a) What is next generation sequencing in cancer and its application in (4+3)+3
clinical oncology?
b) Describe comprehensive molecular characterisation of gastric adenocarcinoma.

P.T.O.

SURGICAL ONCOLOGY

PAPER-III

9. Hyperbaric oxygen therapy(HBOT): 4+3+3
a) General principles and mode of its action.
b) Its technical details.
c) Oncological applications of HBOT.
10. Classify skin adnexal tumours. Mention the layers of skin and tumours arising from each layer. Mohs micrographic: Indications and techniques. 4+3+3
