

**OBSTETRICS AND GYNAECOLOGY**  
**PAPER-I**

TIME: 3 HOURS  
MAX. MARKS: 100

OBG/J/20/25/I

**IMPORTANT INSTRUCTIONS**

- This question paper consists of 10 questions divided into Part “A” and part “B”, each part containing 5 questions.
- Answers to questions of part A and part B are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets of Part A and Part B are not to be tagged together.
- Part A and Part B should be mentioned only on the covering page of the respective answer sheets.
- 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:**

**PART A**

1. a) Explain details of implantation of pregnancy. 5+5  
b) What are the placental abnormalities associated with abnormal placentation?
2. a) How does wound healing occur? 5+5  
b) What are the steps that can be taken to minimize the risk of dehiscence of a Caesarean scar?
3. a) Describe course of ureter from origin till bladder insertion. 3+3+4  
b) Discuss the sites where injury to ureter commonly occurs during surgery.  
c) Discuss methods of preventing them. How will you manage accidental tying of ureter during suturing?
4. a) Describe hypothalamo-pituitary ovarian axis. 5+5  
b) How will you treat hypogonadotrophic hypoenestrogenic infertility?
5. a) Describe the embryological development of the female reproductive tract in brief. 5+5  
b) Discuss diagnosis and management of bicornuate uterus.

P.T.O

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**Please read carefully the important instructions mentioned on Page '1'**

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- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

6. a) What are the different types of research? 5+5  
b) How do you frame a research question?
7. a) What are the various types of research studies that can be conducted? 5+5  
b) Describe a plan of study to determine the role of exercise in the management of cases of Gestational Diabetes Mellitus.
8. a) What is randomization? 2+4+4  
b) Explain various types of random sampling techniques with examples.  
c) Enumerate and define the various fertility indicators.
9. Describe the Doppler principle. Write about the use of Doppler studies in Gynaecological cases. 5+5
10. a) Write the branches of anterior and posterior divisions of internal iliac artery. 5+5  
b) Describe briefly the procedure and indications of internal iliac artery ligation.

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