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**D.G.O.**  
**[Diploma in Gynaecology & Obstetrics]**  
BF/2007/12

**Basic Sciences as related to Obstetrics & Gynaecology**  
[Paper -I]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.  
All questions carry equal marks*

1. Discuss in detail the physiology of Coagulation. [25]
  2. Describe in detail the pathophysiology of Pregnancy Induced Hypertension[PIH]. [25]
  3. Write notes on:
    - a. Luteal Phase Defects[L.P.D.] [12<sup>1</sup>/2]
    - b. Thrombocytopenia in Pregnancy. [12<sup>1</sup>/2]
  4. Write notes on:
    - a. Lymphatic drainage of Vulva. [12<sup>1</sup>/2]
    - b. Premature Ovarian failure. [12<sup>1</sup>/2]
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**D.G.O.**  
**[Diploma in Gynaecology & Obstetrics]**  
BF/2007/12

**Principles & Practice of Obstetrics & Gynaecology**  
**& diseases of new born babies**  
[Paper -II]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. How will you manage a woman at 36 weeks gestation, tested as HIV positive? [25]
  2. Write short notes on:
    - a. Tocolytic drugs. [12]
    - b. Partogram. [13]
  3. Write short notes on:
    - a. Causes of Puerperal pyrexia. [12]
    - b. Management of 2<sup>nd</sup> twin during labour. [13]
  4. Write short notes on:
    - a. Causes of Intrauterine death. [13]
    - b. Cephalhematoma. [12]
-

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**D.G.O.**  
**[Diploma in Gynaecology & Obstetrics]**  
BF/2007/12

**Recent advances in Obstetrics & Gynaecology**  
[Paper -III]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. HRT journey from traditional Oestrogens to SERMS. [20]
  2. Discuss the Stress incontinence and its current management. [20]
  3. Write short notes on following [15x4=60]
    - a. I.U.I.
    - b. C.I.N.
    - c. Hirsutism.
    - d. RCH programme.
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**D.A.**  
**[Diploma in Anaesthesia]**  
BF/2007/12

**Basic Sciences as related to Anaesthesia**  
**[Paper -I]**

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. How do you monitor neuromuscular transmission during anaesthesia? Describe in detail. List the causes of prolonged apnoea after general anaesthesia. [30]
  2. Describe briefly about: [2x15=30]
    - a. Prone position.
    - b. Various Co-axial circuits and their functional analysis
  3. Write short notes on: [4x10=40]
    - a. Uses of Adrenaline.
    - b. IVRA.
    - c. Various Capnographic waveforms in different clinical situation.
    - d. Defrillation and Cardioversion.
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**D.A.**  
**[Diploma in Anaesthesia]**  
BF/2007/12

**Anesthesia and Analgesia history, theory and practice of  
anesthesia**  
[Paper -II]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. Discuss the anaesthetic management of a 70 year old male patient scheduled for Transurethral Resection of Prostate. [25]
  2. Write briefly about: [15x2=30]
    - a. Current guidelines for CPBR.
    - b. Pain relief in labour.
  3. Write short notes on: [15x3=45]
    - a. Monitored anaesthesia care.
    - b. World Anaesthesia Day.
    - c. Infection control in I.C.U.
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**D.A.**  
**[Diploma in Anaesthesia]**  
BF/2007/12

**Preoperative care and postoperative complications, the  
clinical sciences in relation to anaesthesia etc.**  
[Paper -III]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. A 20 years young male is posted for Renal transplant. Discuss in detail pre-operative problems with management in Renal failure case and enumerate only the post-operative problems. [30]
  
  2. **Write short notes on:**
    - a. Respiratory work load on COAD cases. [10]
    - b. Head injury management in ICU. [10]
    - c. Problems and management of Chest Trauma. [10]
  
  3. **Write short notes on:**
    - a. Acute Spinal Cord injury. [10]
    - b. Drug induced platelet dysfunction. [10]
    - c. Tracheostomy management. [10]
    - d. Post operative respiratory depression. [10]
-

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**D.C.H.**  
**[Diploma in Child Health]**  
BF/2007/12

**Basic Sciences as related to Paediatrics**  
**[Paper -I]**

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions. All questions carry equal marks.*

**Write short notes on:**

1. Thumb sucking.
  2. Warm Chain.
  3. AFP surveillance.
  4. IMNCI approach to child health.
  5. Management of Shock.
  6. Etiology of short stature.
  7. Management of pain in neonates.
  8. Laboratory diagnosis of iron deficiency anaemia.
  9. Probiotics.
  10. Low Osmolarity oral rehydration solution.
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**D.C.H.**  
**[Diploma in Child Health]**  
BF/2007/12

**Neonatal Paediatrics, growth and development, diet and  
nutrition etc.**  
[Paper -II]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

1. **Write in brief:**
    - a. Growth during first year of life. [15]
    - b. Nutritional requirements during adolescence. [15]
    - c. Child health components of NRHM. [10]
  2. **Write short notes on:**
    - a. Rationale drug therapy for Cough. [15]
    - b. Breast feeding in baby born to HIV positive mother -current concepts. [15]
  3. **Write the management of:**
    - a. New born with Hyperglycemia. [15]
    - b. Babies weighing <1000g during first hour. [15]
-



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**D.C.H.**  
**[Diploma in Child Health]**  
BF/2007/12

**Diseases of Infancy & childhood and recent advances in  
Paediatrics**  
[Paper -III]

**M.M. : 100**

**Time : 3 Hours**

*Note : Attempt all questions.*

**Write notes on:**

[10x10=100]

1. Causes and investigations of a case of acute Flaccid paralysis.
  2. Attention deficit hyperactive disorder.
  3. Management of refractory status epilepticus.
  4. Causes, clinical features and treatment of Hyponatraemia.
  5. IMNCI.
  6. Management of Snake bite.
  7. Genetic counseling in pediatrics.
  8. Enumerate various presentations of severe Falciparum.
  9. Investigations and management of a 4 year old girl with precocious puberty.
  10. Complications of Measles.
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**D.M.R.T.**  
**[Diploma in Medical Radiology Therapy]**  
BF/2007/12

**Basic Sciences as related to Radiotherapy**  
**[Paper-I]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Outline the important physical characteristics of Electron beam therapy.  
Enlist the clinical situations which merit their use. [30]
  2. Discuss the role of Radioactive iodine therapy in the treatment of Thyroid cancers. [25]
  3. Write short notes on:
    - a. Four R's of Radiobiology. [15]
    - b. Interstitial Brachytherapy. [15]
    - c. IGRT. [15]
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**D.M.R.T.**  
**[Diploma in Medical Radiology Therapy]**  
BF/2007/12

**Physical as applied to Medical Radiotherapy**  
**[Paper-II]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Describe the management of Carcinoma of the Buccal Mucosa. [25]
  2. Classify Brain tumour. How will you treat Glioblastoma Multiforme. [25]
  3. Classify Bone tumour. How will you manage a case of Osteogenic Sarcoma. [25]
  4. Write short notes on: [25]
    - a. Molecular therapy.
    - b. Multiple Myeloma.
-

1.
  - a. How will you manage Stage-III Carcinoma Ovary? [12<sup>1</sup>/2]
  - b. Discuss principle and regimen of chemoradiation in the treatment of Cancer of Cervix. [12<sup>1</sup>/2]
2.
  - a. Discuss the management of localized Ewing's sarcoma occurring in mid shaft of femur. [12<sup>1</sup>/2]
  - b. Describe the treatment of Embryonal Rhabdomyosarcoma of childhood. [12<sup>1</sup>/2]
3.
  - a. Discuss the role and technique of radiation in Stage-II Seminoma of Testis. [12<sup>1</sup>/2]
  - b. What is I.M.R.T.? Discuss the steps involved in the treatment planning of I.M.R.T. [12<sup>1</sup>/2]
4. **Write short notes on:** [5x5=25]
  - a. Chemotherapy induced Emesis.
  - b. Sentinel lymphnode biopsy in Carcinoma breast.
  - c. Erythropoietin in cancer management.
  - d. Staging of multiple Myeloma.
  - e. Adriamycin.

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**D.M.R.D.**  
**[Diploma in Medical Radiology Diagnosis]**  
BF/2007/12

**Basic Sciences as related to Radiology**  
**[Paper-I]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Describe in brief the anatomy of Breast and various imaging modalities available for its examination. [40]
  2. Write short notes on:
    - a. Anatomy of Mediastinum. [15]
    - b. Image intensifier. [15]
  3. Enumerate the harmful effects of Radiation. Describe the protective measures, you will take in diagnostic radiological department to protect the staff. [30]
-

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**D.M.R.D.**  
**[Diploma in Medical Radiology Diagnosis]**  
BF/2007/12

**Physics as applied to Medical Radiology**  
**[Paper-II]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. **Write short notes on:**
  - a. Digital Radiography. [10]
  - b. Adverse reactions of contrast media. [10]
  - c. M.R. Spectroscopy. [10]
2. **Describe in detail:**
  - a. Image intensifier. [10]
  - b. Ultrasound harmonic imaging. [10]
  - c. Isotopes in hepatobiliary diseases. [10]
3. **Write briefly on:**
  - a. Intensifying Screens. [10]
  - b. Construction of transducer. [10]
  - c. Digital subtraction Angiography. [10]
  - d. Radiation hazards in diagnostic radiology. [10]

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**D.M.R.D.**  
**[Diploma in Medical Radiology Diagnosis]**  
BF/2007/12

**Diagnostic Radiology & Recent advances**  
**[Paper-III]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Role of radiology in acute aortic syndrome. [25]
  2. Discuss briefly: [25]
    - a. Echo enhancing agents.
    - b. Newer MRI sequences.
  3. Enumerate different imaging techniques for detection of Breast Tumours. Write in detail about Mammography. [25]
  4. Write short notes on: [25]
    - a. Role of HRCT in Pulmonary tuberculosis.
    - b. Various radiological features of Liver hydatid disease and role of PAIR therapy.
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