

## BSc (Sem.-VI) Examination

CC 307

Health Hygiene

April-2017

Time : 3 Hours]

[Max. Marks : 70

- Q-1 Answer any two of the following [14]
- Discuss nature of medical wastes and its management and disposal
  - Explain the basic concept of hospital management.
  - Explain the types of manpower and their role in hospital.
  - Explain the support services required in a hospital
- Q-2 Answer any two of the following [14]
- Write a note on conventional and modern fumigation methods.
  - Describe basic setup of operation theatre.
  - Explain quality assurance in pharma sector.
  - Briefly explain validation of medical procedures and instruments.
- Q-3 Answer any two of the following [14]
- Explain first-aid treatment for Ischemic heart disease.
  - Write objectives behind commonly practiced ward procedures.
  - Write a short note on adult CPR.
  - Explain first-aid treatment for dehydration and respiratory obstruction
- Q-4 Answer any two of the following [14]
- Give brief account of components and use of life support system
  - Explain pre-operative preparations
  - Explain post-partum and neonatal care
  - Describe preparedness for responding to medical emergency
- Q-5 Answer the following in short: [14]
- What are hospital logistics?
  - What is a role of health-care professionals?
  - What is clinical utility?
  - What are the benefits of ISO certification?
  - What is NABH?
  - What is the significance of pulse oximeter machine?
  - In which conditions defibrillation treatment is given?
  - Which are the personal protective equipment in operation theatre?
  - What is main purpose of CPR?
  - What is third degree burn?
  - Trauma centre provides care for patients suffering from \_\_\_\_\_.
  - Define pre-operative care.
  - Why microbiological surveillance is necessary?
  - What is sterilization protocol?
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- Que-1 Answer the following questions (Any two) 14
- Explain the basic setup of Operation Theater.
  - Give an account of Cryosurgery.
  - What are Vital signs and how it is monitored?
  - Write a short note on Angiography.
- Que-2 Answer the following questions (Any two) 14
- Describe X-ray Screening Photography.
  - Explain principle and applications of MRI.
  - Write down the importance of Echocardiograph.
  - Discuss the Principle of Tomography.
- Que-3 Answer the following questions (Any two) 14
- Explain any two Endoscopy procedures.
  - Discuss the use of split lamp microscope.
  - Give an account of Ophthalmoscope.
  - Explain Audio-Visual testing procedures in brief.
- Que-4 Answer the following questions (Any two) 14
- Discuss the working and use of Neonatal incubator.
  - Explain the role of radiation sources used in cancer treatment.
  - Write down the principle and use of Defibrillator.
  - Describe therapeutic use of electric shock.
- Que-5 Answer the following questions (All are compulsory) 14
- What is VER?
  - Define PET Scan.
  - In which medical situation CT scan is recommended?
  - Give the full form of ERG and EOG.
  - What is Tilt test?
  - Name the radiations used in primary diagnosis.
  - When is oxygen mask needed?
  - Give the role of Ultrasonography in medical profession.
  - Enlist the component of Anesthesia machine.
  - What is Dialyzer?
  - Define Lithotripsy
  - Give advantages of Barium meal study.
  - What is objective for Cancer radiation?
  - Give the use of Doppler Ultra sound test.

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- Q-1 Answer any two of the following 14
- A. 'Chemotherapy is effective mean to treat cancer' - Explain.
  - B. Discuss general mode of action of an antimicrobial drug.
  - C. Explain the mechanism of action and uses of immunosuppressive drugs.
  - D. Discuss the mechanism of drug resistance against antibiotics.
- Q-2 Answer any two of the following 14
- A. Discuss the history of physiotherapy.
  - B. Write a note on medicines used for Rehabilitation.
  - C. Explain the branch of physiotherapy practiced with sports person.
  - D. Describe the application of physiotherapy in neurology.
- Q-3 Answer any two of the following 14
- A. Explain therapeutic applications of stem cells.
  - B. Write down the steps involved in IVF.
  - C. Discuss the properties and application of bio-compatible materials.
  - D. Describe importance of Oligonucleotide and RNAi in gene therapy.
- Q-4 Answer any two of the following 14
- A. Give a brief account of counseling and care recommended to psychic patient.
  - B. Explain effects and uses of psychotropic medicines.
  - C. Discuss the steps in psychological analysis.
  - D. Describe need for electroshock therapy giving its limitations.
- Q-5. Answer in brief 14
1. Define MIC.
  2. What are immunosuppressants?
  3. Comment on totipotency.
  4. What is surrogacy?
  5. How nanotechnology is used in medicine?
  6. Name two tranquilizers.
  7. What is euthanasia?
  8. Give two applications of tissue engineering.
  9. Define Psychological counseling.
  10. Define psychiatrist.
  11. Name any two sedative drug agents.
  12. Give two application of physiotherapy in cardiovascular condition.
  13. What are orthopedic implants made up of?
  14. What is microRNA?
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- Que-1 Answer the following questions (Any two) 14
- Explain financial sources to meet health care expenses?
  - Write note on ethics in medical profession.
  - Discuss scope for exploration of medical tourism in India
  - Write a note on cashless services of medical insurance.
- Que-2 Answer the following questions (Any two) 14
- What is Pharmacy Act? Why is it necessary?
  - What is need for Narcotic and Psychotropic substances Act in the Society?
  - Describe the objectives of Drugs and Magic remedies Advertisement Act, 1954.
  - Discuss important provisions in drug and cosmetic Act, 1940.
- Que-3 Answer the following questions (Any two) 14
- Discuss the consequences that person has to suffer under the Dentist Act, 1948.
  - Explain Indian Nursing Council Act, 1947.
  - Explain Indian Medical Council Act, 1956.
  - Discuss professional ethics described under Indian Medical Council Act, 1956.
- Que-4 Answer the following questions (Any two) 14
- Explain the laws to regulate and manage Biomedical Waste.
  - Explain scope for and punishment prescribed for violation of Pre-Natal Diagnostic techniques Act, 1994.
  - Discuss the Medical Termination of Pregnancy Act, 1971.
  - Give the importance and advantages of birth, death and marriage registration Act, 1886.
- Que-5 Answer the following questions (All are compulsory) 14
- What are the terms and condition to claim the medical insurance?
  - Define as per law, 'food' and explain the term 'misbranded'.
  - Mention the local authority under PFA Act, 1954.
  - List impact of Medical Tourism on Indian Economy.
  - Define epidemic disease with example.
  - Write two disadvantages of animals experimentation.
  - Name any two Biomedical wastes in hospital.
  - What are feature of Schedule-H drugs?
  - In which year Human Organ Act was implemented?
  - What is cashless treatment?
  - Give two examples of narcotic substances.
  - What are major effects of food adulteration?
  - Which condition allows lawful medical termination of pregnancy?
  - What are the advantages for seeking medical insurance?