

IGNOU

Diploma in Critical Care Nursing (DCCN)

**ASSIGNMENTS
2015**



**School of Health Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi – 110068**

Dear Students,

There are two assignments in total and all these assignments are compulsory. Please note that you are required to score 50 % marks in each assignment separately. The assignments carry a weightage of 30 % marks towards the final evaluation in theory component and submission of related assignments is a pre-requisite for appearing in Theory Term End Examination for respective course. The subject area of assignments and its last date of submission are mentioned below:

Last Date of Submission	Course Code	Blocks Involved	Assignment Code
April 30 th , 2015	BNS – 031	1-3	BNS – 031/ TMA-1
May 30 th , 2015	BNS – 031	4-6	BNS – 031/ TMA-2
July 30 th , 2015	BNS – 032	1-3	BNS – 032/ TMA-1
August 30 th , 2015	BNS – 032	4-6	BNS – 032/ TMA-2

Please take note of the following points before writing your assignments:

- Use only foolscap size paper for writing your responses. Only handwritten assignments will be accepted. Typed or printed copies of assignments will not be accepted.
- Tie all the pages after numbering them carefully.
- Write the question number with each answer.
- **All the questions are compulsory.**
- Every assignment will be evaluated out of a full mark of 100. Weight age is indicated in parenthesis against each question.

Suggestion for writing assignments:

Read the assignments carefully. Scan through whole material of the course, answer may be linked within the blocks /units. Draw a rough outline of your answer in your own words. Support your answer from your clinical / community experience. Make a logical order. Then write your answer neatly and submit. Give illustrations and tables whenever necessary .**You may keep a Xerox copy of the assignments for future reference. Do not copy from print material.**

Answer each assignment in separate sheets. On the first page of the assignment response sheets, write the **course code, course title, assignment code, name of your Programmer study center (PSC) and date of submission. Your Enrollment No., Name and full address** should be mentioned in the top right corner of the first page. The first page of your assignments response sheet should look like the format given below:

Course Code.....	Enrollment No.....
Course title.....	Name.....
Assignment Code.....	Address.....
PSC
Date of Submission.....

Please submit the assignments to the Programme In -Charge of the Programme Study Center Allotted to you

Concept and Principles in Critical Care Nursing
Assignment I (Block 1- 3) (Tutor Marked)

Programme Code: 031
Course Code: DCCN - 031
Assignment Code: BNS –031 /TMA-1/2015
Maximum Marks: 100
Last date of submission: July 31, 2015

Note :

This Assignment has three parts – Part A, B and C

Part A consists of two long answer questions. Each question carries 15 marks

Part B consists of six short answer questions. Each question carries 10 marks

Part C consists of four objective type questions. Each question carries 2 ½ marks

Part – A

1. a. Discuss the principles of Critical Care Nursing
b. Describe the job responsibilities and functions of a Critical Care Nurse.
c. Enlist the traits of a Critical Care Nurse.
6+6+3=15

2. a. Define therapeutic Communication.
b. Differentiate therapeutic relationship and Social Relationship.
c. Discuss the factors affecting effective communication.
d. Enlist the points you will as a critical care nurse keep in mind while communicating with the client and his family.
2+5+5+3=15

Part-B

3. a. Discuss the physiological response to stress.
b. Explain various occupational stressors for Nurses.
5+5=10

4. a. Describe various routes of administering drugs.
b. Explain the indication, Dose, side-effects & nursing care of the drugs used for respiratory illness.
5+5=10

5. a. Define Hyperkalemia.
b. Enlist the signs and Symptoms of hyperkalemia.
c. Describe the nursing management of patient with hyperkalemia.
2+3+5=10

6. Mr. Suresh, 49 years old, a case of road traffic accident has been admitted to ICU. He is bleeding profusely. Blood transfusion has been ordered for him. Answer the following
a. Describe various blood components.
b. Explain the risks of blood-transfusion .
5+5=10

7. Describe various steps that may be followed to assess the nutritional status of a client admitted in Critical Care Unit.
10

8. a. Enlist the Clinical indications for Pulmonary artery Catheterization.
b. Explain the complications of Pulmonary artery Catheterization.
5+5=10

9. Place tick mark (✓) against the most appropriate answer given under each statement. ($\frac{1}{2} \times 5 = 2\frac{1}{2}$)
- a) Tympany is:
- i) A dull sound felt while liver percussion.
 - ii) Drum like sound
 - iii) Sound felt on percussion of thigh.
 - iv) Sound that can be heard in case of pulmonary edema.
- b) Passage of solvent from area of lesser concentration to area of greater concentration through semi permeable membrane is known as:
- i) Diffusion
 - ii) Filtration
 - iii) Osmosis
 - iv) Active Transportation
- c) Functions of electrolyte include all except:
- i) Assisting in regulating water balance
 - ii) Maintaining acid-base balance
 - iii) Maintaining body temperature.
 - iv) Maintaining neuromuscular activity
- d) Kayexalate is used in the treatment of :
- i) Hyperkalemia
 - ii) Hypokalemia
 - iii) Hypocalcemia
 - iv) Hyponatremia
- e) Non-invasive method of determining arterial oxygen saturation is done by: -
- i) Hyperbaric Oxygen therapy
 - ii) Arterial blood gas analysis
 - iii) Auscultation
 - iv) Pulse-oximetry
10. Match the terms given in column A with the Statements given in column B ($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

Column A

- a) Delegation
- b) Skin Turgor
- c) Microcephaly
- d) Chovstek's Sign
- e) Myotics

Column B

- i) Small head
- ii) Hypocalcaemia
- iii) Drugs that constrict pupil
- iv) Elasticity of Skin
- v) Drugs that dilate Pupil
- vi) Assign Task to a competent person
- vii) Small Sized Ear

11. Fill in the blanks:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) Channelizing unacceptable behavior in an acceptable manner is called.....
- b) Use of mental images to help in relaxation is called
- c) Shortening of tissue due to healed scar tissue is called.....
- d) Drugs used in the promotion of mental relaxation are known as
- e) A change designed to assist in adjusting to new environment or situation is called.....

12. Write T if the statement is True and F if the Statement is false

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) Going back to childish behavior is called displacement. (T/F)
- b) Clubbing of nails is seen in diseases of lungs & heart. (T/F)
- c) Low level of serum albumin leads to tissue edema. (T/F)
- d) The period of sleep during which airflow stops for few seconds is called parasomnia. (T/F)
- e) Patient controlled analgesia can be used for pain relief in cancer patients. (T/F)

Concept and Principles in Critical Care Nursing
Assignment 2 (Block 4-6) (Tutor Marked)

Programme Code: 031
Course Code: DCCN - 031
Assignment Code: BNS –031 /TMA -2/2015
Maximum Marks: 100
Last date of submission: July 31, 2015

Note :

This Assignment has three parts – Part A, B and C

Part A consists of two long answer questions. Each question carries 15 marks

Part B consists of six short answer questions. Each question carries 10 marks

Part C consists of four objective type questions. Each question carries 2 ½ marks

Part-A

1. a) Describe chain of infection.
b) Explain the stages of infection process.
c) Describe the measures you will take as a Critical Care Nurse to break the chain of infection.

5+5+5=15
2. Mrs. Meena's condition is very critical. She needs to be transported to a Super Specialty hospital. Answer the following questions:
 - a) Explain various modes of transporting Mrs. Meena to a Super Specialty Hospital.
 - b) Enlist the factors considered for transporting Mrs. Meena.
 - c) Describe your role as critical care Nurse during various phases of transportation of Mrs. Meena.

5+4+6=15

Part-B

3. a) Discuss the infection control protocols to prevent ventilation associated pneumonia as followed in your hospital.
b) Describe the responsibilities of an Infection control nurse towards surveillance in Critical Care Unit.

5+5=10
4. a) Define Nursing Research.
b) Enlist the purposes of nursing research.
c) Explain the research process.

1+3+6=10
5. a) Differentiate In-service education and Continuing Education.
b) Describe Induction and Orientation as a type of staff development program

5+5=10
6. Write short notes on:-
 - a) Progressive care units.
 - b) Consumer Protection act.
 - c) Nursing Audit

3+3+4=10
7. a) Define Variables.
b) Explain various types of variables.
c) List down the characteristics of a good research problem statement.

1+4+5=10

8. a) Enlist three characteristics of a True Experimental research approach.
 b) Explain the advantages and limitations of Survey approach.

3+7=10

Part –C

9. Place tick mark (✓) against the most appropriate answer given under each statement. (1/2 × 5= 2½)
- a) The action directed towards “doing good” is called:
 i) Paternalism
 ii) Beneficence
 iii) Fidelity
 iv) Veracity
- b) All of the following include Sources of knowledge **except**:
 i) Tradition
 ii) Authority
 iii) Experience
 iv) Discipline
- c) All the following are purposes of nursing research **except**:
 i) Description
 ii) Exploration
 iii) Intuition
 iv) Prediction
- d) The most effective way of preventing nosocomial infection is :
 i) Isolating the client
 ii) Hand washing
 iii) Maintaining Six feet distance from client
 iv) Use of closed drainage system
- e) All of the following can be disposed in red bag except:
 i) Expired drugs
 ii) I/V tubings
 iii) Rubber Catheters
 iv) Gloves.

10. Match the terms given in column A with the statements given in column B

(1/2 × 5= 2½)

Column A

Column B

- | | |
|-------------------|---|
| a) Leniency error | i) Used for dressing |
| b) Veracity | ii) Mercy killing |
| c) Euthanasia | iii) Examination of organs and tissues of human body after death. |
| d) Ethylene oxide | iv) Tendency to over rate staff Performance |
| e) Autopsy | v) Telling Truth |
| | vi) Used for Sterilization |
| | vii) Doing Good |

11. Fill in the Blanks: ($\frac{1}{2} \times 5 = 2\frac{1}{2}$)
- a) Destruction of pathogenic microorganism but not bacterial spores is called.....
 - b) A place where pathogen can survive but may or may not multiply is called.....
 - c) The objective description of behavior recorded on a form is called.....
 - d) Rating all traits of an employee based on general impressions is called.....
 - e) A legal permit that a government agency grants to individuals to engage in the practice of a profession is called.....

12. Write T if the statement is True and F if the Statement is false: ($\frac{1}{2} \times 5 = 2\frac{1}{2}$)
- a) Sharp instruments should be boiled for longer period of time. (T/F)
 - b) A process where by a group of practicing registered Nurses evaluate the quality of another registered nurse is called critical incident method. (T/F)
 - c) Autonomy is the individual's right and responsibility to make decisions. (T/F)
 - d) Identification of population to be studied is in analytic phase of research process. (T/F)
 - e) Log book is a written record of the assignments carried out by the learner during the course of study. (T/F)

Nursing Management in Critical Care Conditions
Assignment I (Block 1-3) (Tutor Marked)

Programme Code: 032
Course Code: DCCN - 032
Assignment Code: BNS –032 /TMA -1/2015
Maximum Marks: 100
Last date of submission: July 31, 2015

Note :

This Assignment has three parts – Part A, B and C

Part A consists of two long answer questions. Each question carries 15 marks

Part B consists of six short answer questions. Each question carries 10 marks

Part C consists of four objective type questions. Each question carries 2 ½ marks

Part-A

1. a) Define heart block
b) Differentiate first, second and third degree heart block.
c) Discuss the role of a critical care nurse in educating patient and family about living positively with cardiac pacemaker.
d) Prepare a check list while receiving a patient after CABG in recovery room of Critical Care Unit (Refer management of CABG for preparing check list of care)

1+3+4+7=15

2. Mr. Ram, 45 years old, with history of peptic ulcer has come to surgical emergency with complaint of coffee colour vomiting, fatigue and shortness of breath. On examination, his B.P. was 100/60 mm of HG and was having cold and clammy skin. After endoscopic examination he has been diagnosed as a case of acute gastrointestinal bleeding (GI Bleeding). Discuss condition of Mr. Ramesh under the following headings:
 - a) Define upper and lower gastrointestinal bleeding.
 - b) Enumerate the etiological factors for GI bleeding.
 - c) Enlist the goal of management for Mr. Ramesh.
 - d) Discuss medical management for Ramesh.
 - e) Describe objective based nursing interventions for Mr. Ramesh in Critical Care Settings.

2+3+2+3+5=15

Part-B

3. a) Define abdominal compartment syndrome
b) Explain classification of abdominal compartment syndrome.
c) Describe the pathophysiology of hepatic failure with the help of flow chart.
- 2+3+5=10**
4. a) Differentiate between clinical manifestations of small bowel and large bowel obstruction.
b) Prepare a post operative check list for receiving a patient diagnosed with peritonitis after exploratory laprotomy in recovery room of critical care Unit. (Refer management of patient after exploratory laprotomy for Check list)
- 4+6=10**
5. a) Discuss the collaborative management in Acute Respiratory Distress Syndrome (ARDS).
b) Explain the role of a nurse in care of a client with pulmonary embolism.
- 4+6=10**

6. a) Discuss the mechanism of status asthmaticus with the help of flow chart.
 b) Describe the Nursing management of a patient with status asthmaticus in Critical Care Unit **4+6=10**
7. a) Enumerate the ECG Changes in Unstable Angina.
 b) Prepare management guidelines for taking care of Patient with hypertensive Crisis. **4+6=10**
8. a) Explain the management of Atrio Ventricular (AV) block .
 b) Discuss the role of nurse in educating patient with heart failure about positive living. **4+6=10**

Part – C

9. Place tick mark (✓) against the most appropriate answer given under each statement. ($\frac{1}{2} \times 5 = 2\frac{1}{2}$)
- a) ECG strip of patient with heart block will depict:
 i) PR interval less than 0.20 seconds.
 ii) PR interval equals to 0.20 seconds.
 iii) PR interval greater than 0.20 seconds.
 iv) None of the above.
- b) Factors determining decreased oxygen supply needs in patient with acute coronary syndrome include the following except:
 i) Anemia.
 ii) COPD
 iii) Arrhythmia
 iv) Hypertension
- c) Blood test to assess blood clotting includes:
 i) LFT, KFT and blood grouping
 ii) BUN, blood grouping and cross matching.
 iii) Prothrombin time, LFT and KFT
 iv) Pulmonary, kidney and lung function test.
- d) Ventricular assist device is:
 i) A mechanical device used to replace the function of failing heart.
 ii) A mechanical device used in heart block
 iii) A device used during implantation of pace maker.
 iv) A device used in left and right ventricular failure.
- e) Aortic aneurysm is a term used for :
 i) Aortic rupture
 ii) Aortic constriction
 iii) Aortic tear
 iv) Swelling or dilatation of the aorta

10. Match the statements given in column A with the terms given in column B

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

Column A

Column B

- | | |
|---|---------------------------|
| a) PH of blood is more than 7.45 | i) Intussusceptions |
| b) PH of blood in less than 7.35 | ii) Bevtall Procedure |
| c) Telescoping of one segment of bowel to another | iii) David Procedure |
| d) Replacement of damaged section of aorta and re-implantation of the aortic of valve | iv) Respiratory Alkalosis |
| e) Replacement of damaged section of aorta and replacement of all aortic valve | v) Acidosis |

11. Fill in the Blanks:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) In heart transplant when the patient's own heart is not removed before implanting the donor's heart is termed as
- b) Pain with constipation is known as
- c) Dose of streptokinase in management of acute coronary syndrome is
- d) Chronic bronchitis is also termed as
- e) In case of Asystole..... should be started immediately.

12. Write T if the statement is True and F if the Statement is false:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) The bolus dose of injection atropine and cardiac pacing are the methods to manage bundle branch block. (T/F)
- b) Pneumothorax is marked by reduced chest expansion . (T/F)
- c) In false aneurysm, the inner layers of a vessel bulge outside the outer layer. (T/F)
- d) Chest wall moves in during inhalation and moves outward during expiration, in flail chest. (T/F)
- e) S3 & S4 heart sound are heard in left sided heart failure. (T/F)

Nursing Management in Critical Care Conditions
Assignment II (Block 4-6) (Tutor Marked)

Programme Code: 032
Course Code: DCCN - 032
Assignment Code: BNS -032 /TMA -2/2014
Maximum Marks: 100
Last date of submission: July 31, 2015

Note :

This Assignment has three parts – Part A, B and C

Part A consists of two long answer questions. Each question carries 15 marks

Part B consists of six short answer questions. Each question carries 10 marks

Part C consists of four objective type questions. Each question carries 2 ½ marks

Part A

1. Ms. Arti, 32 years old caught fire while working in the kitchen and was rushed to burns casualty. Discuss her condition under the following headings.
 - a) Prepare an outline for assessment of burn of Arti at the time of admission.
 - b) Explain pathophysiology of burn with the help of flow chart.
 - c) Describe the fluid management for Mrs. Arti.
 - d) List the complication that Arti may develop.

4+4+4+3=15

2.
 - a) Define Hyperglycemic Hypersomolar Non-ketotic syndrome (HHNS)
 - b) Differentiate Diabetic Ketoacidosis and HHNS.
 - c) Enumerate clinical manifestations of HHNS.
 - d) Discuss the Nursing Management of HHNS.

1+5+3+6=15

Part-B

3.
 - a) Define Locked- in syndrome.
 - b) Enumerate the preventive measures you will as a critical nurse will take to decrease Raised Intracranial Pressure.
 - c) Explain the nursing responsibilities or a patient with altered sensorium in critical care Unit.

1+4+5=10

4.
 - a) Classify status epilepticus.
 - b) Explain the physiological changes that occur during generalized convulsive status epilepticus.
 - c) Describe the objective based nursing intervention for a patient with status epilepticus.

2+3+5=10

5. Discuss the role of nurse in care of patient with bladder trauma based on steps of nursing process. Support your answer with suitable examples from clinical area.

10

6.
 - a) State the diagnostic studies for thyroid crisis.
 - b) Explain the collaborative management of patient with thyroid crisis.

4+6=10

7.
 - a) Elaborate the specific strategies for the treatment of shock.
 - b) Describe objective based nursing interventions for the management of septicemic patients.

4+6=10

8. a) Enumerate the clinical manifestations of an anaphylactic reaction.
 b) Discuss the initial nursing management of patient with anaphylaxis.

5+5=10

Part-C

9. Place tick mark (✓) against the most appropriate answer given under each statement:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) Signs of stroke are:
 i) Dysrhythome and ataxia
 ii) Slurred speech and double vision.
 iii) Nausea and vomiting
 iv) Dizziness and severe headache.
- b) Following health education should be given to Patient after renal transplantation:
 i) Avoid prolonged period of sitting
 ii) Avoid contact
 iii) Avoid bladder irrigation
 iv) Avoid exposure to people with infection
- c) Following activity can increase the intracranial pressure:
 i) Use of hypertonic I/V solution
 ii) Use of hypotonic I/V solution
 iii) Pre oxygenation before suctioning
 iv) Hyperventilation after suctioning.
- d) In Azotemia there is elevation in levels of :
 i) Serum protein
 ii) Total leukocyte
 iii) Serum cholesterol
 iv) Blood Urea
- e) Following are the nursing interventions to improve cerebral tissue perfusion in a patient with traumatic brain injury **EXCEPT**:
 i) Administration of mannitol
 ii) Elevate the head of the bed to 45°
 iii) Fluid restriction
 iv) Prevent activities that initiate valsalva manoeuvre.

10. Match the statements in Column A with the terms in Column B:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

Column A

Column B

- | | |
|--|------------------|
| a) Physiologic dilatation of pupils | i) Ataxia |
| b) Gait problem | ii) Autograft |
| c) Speech Problem | iii) Allograft |
| d) A graft transferred from one human to another human | iv) Aphasia |
| e) A graft derived from one part of a patients body and used on another part of the same patient | v) Mydriasis |
| | vi) Diplopia |
| | vii) Heterograft |
| | viii) Meiosis |

11. Fill in the blanks:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) Intracranial hypertension is a sustained elevation of ICP above.....
- b) In oliguric phase urine volume of the patient is reduced below.....
- c) Diabetic Ketoacidosis is commonly seen indiabetes mellitus patients.
- d) Addison's disease is also termed as.....
- e) Inducing vomiting is contraindicated in

12. Write T if the statement has True and F if the Statement is false:

($\frac{1}{2} \times 5 = 2\frac{1}{2}$)

- a) Patient with myxedema has marked elevation of TSH. (T/F)
- b) HHNS patient shows the sign and symptoms of hyponatremia. (T/F)
- c) In right cerebral hemisphere lesion right hemi paresis is seen in patient. (T/F)
- d) Fourth degree burns damage not only skin but also muscles and bones. (T/F)
- e) Decreased CNS functioning due to hypoglycemia is termed as Neuroglycopenic manifestation. (T/F)

DCCN
KEYS FOR THE ASSIGNMENTS- 2015

BNS-031 Concepts & Principles in Critical Care Nursing.
Assignment -1 (Block-1 To 3) Tutor Marked

Part A

S.No.	Block	Unit	Page No.
Question 1			
(a)	1	1	16-17
(b)	1	1	21-22
(c)	1	1	20
Question 2			
(a)	2	4	55
(b)	2	4	56
(c)	2	4	47
(d)	2	4	48

Part-B

Question	Block	Unit	Page No.
(a)	2	2	19-20
(b)	2	2	20-21
Question 4			
(a)	3	1	8-9
(b)	3	1	11-12
Question 5			
(a)	3	2	44-45
(b)	3	2	44-45
(c)	3	2	44-45
Question 6			
(a)	3	4	66
(b)	3	4	68
Question 7	3	5	78-80
Question 8			
(a)	3	6	103
(b)	3	6	106

Part-C

- Q9. (i) b (ii) c (iii) c (iv) a
(v) d
- Q10. (i) f (ii) d (iii) a (iv) b
(v) c
- Q11. (i) Sublimation (ii) Imagery (iii) Contracture (iv) Tranquillizers
(v) Adaptation
- Q12. (i) False (ii) True (iii) True (iv) False
(v) True

**BNS-031-Concept & Principles in critical care nursing
Assignment -2 (Block-4 To 6) Tutor Marked**

Part A

Question	Block	Unit	PP
1a	4	1	19-23
1b	4	1	27-28
1c	4	1	24-26
2a	5	2	23-25
2b	5	2	22
2c	5	2	27-29

PartB

3a	4	3	45
3b	4	3	49
4a	6	2	27
4b	6	2	29-30
4c	6	2	30
5a	5	5	76-78
5b	5	5	74-76
6a	5	1	17
6b	5	6	117
7a	6	3	40
7b	6	3	40-41
7c	6	3	44
8a	6	4	59
8b	6	4	58

Part-C

Q.9	(i) b (v) a	(ii) d	(iii) c	(iv) b
Q10.	(i) d (v) e	(ii) e	(iii) b	(iv) f
Q11.	(i) Disinfection (v) Licensure	(ii) Reservoir	(iii) Anecdotal record	(iv) Halo error
Q.12	(i) False (v) True	(ii) False	(iii) True	(iv) False

Assignment -1 (Block-1 To 3) Tutor Marked

Part A

Q.No.	Block	Unit	Page No.
1 (a)	3	4	79
(b)	3	4	81-85
(c)	3	4	88-89
(d)	3	6	136-144
2 (a)	1	1	6
(b)	1	1	7-8
(c)	1	1	11
(d)	1	1	11-13
(e)	1	1	13-16

Part B

Q 3 (a)	1	2	36
(b)	1	3	50
Q.4 (a)	1	2	23-24
(b)	1	2	32-35
Q.5 (a)	2	1	10
(b)	2	3	50-54
Q.6 (a)	2	4	83
(b)	2	4	85-87
Q.7 (a)	3	1	11
(b)	3	2	40
Q.8 (a)	3	4	85
(b)	3	5	112-113

Part -C

- Q.9 (i) c (ii) b (iii) d (iv) a
(v) d
- Q.10 (i) d (ii) e (iii) f (iv) g
(v) b
- Q.11 (i) Heterotopic procedure
(ii) Obstipation
(iii) 1.5 million units I/V over 30-60 minutes.
(iv) Blue Bloaters
(v) Cardio pulmonary resuscitation
- Q.12 (i) True (ii) True (iii) False (iv) True
(v) False

Part A

Question	Block	Unit	Page no.
1 (a)	6	1	23
(b)	6	1	17
(c)	6	1	20
(d)	6	1	31
2 (a)	5	3	51
(b)	5	3	53-54
(c)	5	3	52-53
(d)	5	3	54-55

Part B

3 (a)	4	1	41
(b)	4	1	16
(c)	4	1	29-33
4 (a)	4	3	101
(b)	4	3	101
(c)	4	3	103-104
5 (a)	5	2	35-38
6 (a)	5	4	63
(b)	5	4	64
7 (a)	6	3	77-78
(b)	6	3	82-83
8 (a)	6	4	112-113
(b)	6	4	114

Part C

Q.9	(i) a	(ii) c	(iii) b	(iv) d
	(v) b			
Q.10	(i) e	(ii) a	(iii) d	(iv) b
	(v) c			
Q.11	(i) 15 mm of Hg	(ii) 50cc/24 hrs	(iii) insulin dependent.	
	(iv) Adrenal insufficiency	adrenal crisis	(v) Acid poisoning.	
Q.12	(i) True	(ii) False	(iii) False	(iv) True
	(v) True			