

B.Sc. Nursing (Pt.-I)

B.Sc. Nursing Part-I (Main & Remanded) Examination

November - 2015

ANATOMY AND PHYSIOLOGY

Paper-I

(Section A & B)

Time: Three Hours

Maximum Marks: 80

Question No.4 of Section A and B both are compulsory.

Attempt any TWO from rest of the questions in each section

(Use Separate Answer-Book for Each Section)

SECTION – A (Anatomy) Marks : 40

1) Describe any three of the following:

- | | | | |
|------------------|------------------------|-------------------|-----------------|
| a) Coeliac Trunk | b) Levator ani muscles | c) Subtalar joint | d) Right atrium |
| | | | 3 x 4 = 12 |

2) Write short notes on any three:

- | | | | |
|---------------------|----------|---------------------|------------------|
| a) Pouch of douglas | b) Scalp | c) Circle of willis | d) Thoracic duct |
| | | | 3 x 4 = 12 |

3) Write in short about:

- | | | | |
|------------|-----------------------|--------------------|--------------------|
| a) Urethra | b) Histology of ovary | c) Brachial plexus | d) Adductor canal. |
| | | | 4 x 3 = 12 |

4) Write short notes on:

- | | | | |
|-----------------------|-------------------------|-----------------|--------------------|
| a) Fissure of Rolando | b) Extra ocular muscles | c) Foetal skull | d) Cavernous sinus |
| | | | 4 x 4 = 16 |

SECTION – B (Physiology) Marks : 401) Define the thermo-regulatory mechanism in human body? Explain the mechanisms activated by heat and cold. 12

2) Write short notes on:

- | | | | |
|-------------------------------|------------------------------|-------------------|------------|
| a) Mechanism of hearing | b) Regulation of respiration | c) Cardiac output | |
| d) Classification of reflexes | | | |
| | | | 4 x 3 = 12 |

3. Enlist the various endocrine glands. Describe the function of thyroid gland in detail. 12

4. Write short notes on:

- | | | | |
|------------------------------------|---|---------------|------------|
| a) Cushing syndrome | b) Metabolic changes in diabetes mellitus | c) Wrist drop | |
| d) Mechanism of muscle contraction | | | |
| | | | 4 x 4 = 16 |

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GENERAL ENGLISH

Paper-VII

Time: Three Hours

Maximum Marks: 80

Attempt ALL questions.

(All questions carry marks as indicated.)

1) Read the following passage and answer the questions that follow:

In the year 1917, I was taken by my Gujarati friends to preside at the Broach Educational Conference. It was here that I discovered that remarkable lady Gangabehn Majmundar. She was a widow, but her enterprising spirit knew no bounds. Her education, in the accepted sense of the term, was not much. But in courage and common sense she entirely surpassed the general run of our educated women. She had already got rid of the curse of untouchability, and fearlessly moved among and served the suppressed classes. She had means of her own, and her needs were few. She had a well seasoned constitution, and went about everywhere without an escort. She felt quite at home on horseback. I came to know her more intimately at the Godhra Conference. To her I poured out my grief about the charkha, and she lightened my burden by a promise to prosecute an earnest and incessant search for the spinning wheel.

- a) Name two qualities of Gangabehn. 3
- b) In what way she was free from the curse of untouchability? 3
- c) What was the grief of the author and how did Gangabehn help him? 3
- d) Where did the author come in close contact with her? 3
- e) Find words in the passage having the following meaning. 3 x 1 = 3
- i) To find out. ii) Poor and exploited people. iii) Exceed

2) Read the following extract and answer the questions.

Thus did my mother say, and kissed me;
And thus I say to little English boy;
When I from black and he from white cloud free,
And round the tent of God like lambs we joy
I'll shade him from the heat, till he can bear
To lean in joy upon our Father's knee;

And then I'll stand and stroke his silver hair

And be like him, and he will then love me.

- a) From which poem the extract has been taken? 3
- b) What does the speaker want to say to little English boy? 3
- c) Who has the silver hair? 3
- d) Where do the people live like lambs? 3
- e) Give one example of simile or metaphor in the above extract from the poem. 3
- 3) a) Write a paragraph on any one of the following topics. 4 x 2 = 8
i) Water management. ii) Road accidents. iii) A good citizen. iv) My neighbours.
- b) Your uncle has sent you a gift of five hundred rupees on your birth day. Write a letter of thanks to him, and tell him how you propose to spend the money. 8
- 4) Fill in the blanks with suitable articles where necessary. 6
- a) i) _____ honest man is liked by all.
ii) You should help your friend. He is in _____ trouble.
iii) _____ cancer is a fatal disease.
iv) Knowledge without _____ wisdom is _____ house without light.
- b) Fill in the blanks with suitable prepositions. 6
- i) Wait _____ me _____ the bus stop.
ii) They were standing _____ the two houses.
iii) You can use my knife to cut it _____.
iv) The brick has fallen _____ the well.
- 5) a) Change the following sentences into passive voice. 4 x 1 = 4
i) Some one knocked the door. ii) We will discuss the matter tomorrow.
iii) She does not know me. iv) The king punished the thief.
- b) Fill in the blanks with suitable modals. 4 x 1 = 4
i) We _____ keep our promises. (Strong moral obligation.)
ii) You _____ control your temper. (Advice)
iii) We _____ hot to walk on the grass (Desirability)
iv) She _____ pass if she works hard (Possibility)
- c) Put the verb in correct form. 4 x 1 = 4
i) He generally (sing) in English. ii) I (live) here since 1928.
iii) I (read) a book when he came in. iv) My father (build) a new house next year
- d) Frame sentences using the following phrasal verbs. 4 x 1 = 4
i) Call on. ii) Give away. iii) Set up. iv) Go through.
6. Punctuate the following: 6
there is an interesting lesson in our book entitled the amazing experiments of sir jagadish chandra bose have you studied it yet.

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HINDI

Paper-VIII

Time: Three Hours, Maximum Marks: 80

Attempt any FIVE questions. All questions carry equal marks.

1) निम्नलिखित पद्यांश की सप्रसंग व्याख्या कीजिए:-

(क) लक्ष्मी नहीं, सर्वस्व जावे, सत्य छोड़ेंगे नहीं,
अन्धे बनें पर सत्य से सम्बन्ध तोड़ेंगे नहीं,
निज-सुत-मरण स्वीकार है पर वचन की रक्षा रहे,
है कौन जो उन पूर्वजों के शील की सीमा कहे? ।।

अथवा

कालिदास सच-सच बतलाना ।

इंदुमती के मृत्यु-शोक से

अज रोया या तुम रोए थे?

कालिदास सच-सच बतलाना ।

शिवजी की तीसरी आँख से

निकली हुई महाज्वाला में

घृतमिश्रित सूखी समिधा सम

कामदेव जब भस्म हो गया

रति का क्रदन सुन आँसू से

तुमने ही तो दृग धोए थे

कालिदास सच-सच बतलाना ।

रति रोई या तुम रोए थे?

4

(ख) आज दीनता को प्रभु की पूजा का भी अधिकार नहीं,
देव ! बना था क्या दुःखियों के लिए नितुर संसार नहीं ?
धन-पिशाच की विजय, धर्म की पावन ज्योति अदृश्य हुई ।
दौड़ो बोधिसत्व ! भारत में मानवता अस्पृश्य हुई ।

अथवा

कौन कहता है कि स्वप्नों

को न आने दे हृदय में,

देखते सब है इन्हें

अपनी उमर, अपने समय में,

और तू कर यत्न भी तो

मिल नहीं सकती सफलता,

ये उदय होते लिये कुछ

ध्येय नयनों के निलय में,

किन्तु जग के पंथ पर यदि

स्वप्न दो तो सत्य के दो

स्वप्न पर ही मुग्ध मत हो,

सत्य का भी ज्ञान कर लें,

पूर्व चलने के, बटोही,

बाट की पहचान कर ले ।

4

(ग) कोई आदमी किसी मरते हुए आदमी के पास नहीं जाता, इस डर से कि वह कत्ल के मामले में फँसा दिया जाएगा। बेटा बीमार बाप की सेवा नहीं करता। वह डरता है, बाप मर गया तो उस पर कहीं हत्या का आरोप नहीं लगा दिया जाए। घर

जलते रहते हैं और कोई बुझाने नहीं जाता—डरता है कि कहीं उस पर आग लगाने का जुर्म कायम न कर दिया जाए। बच्चे नदी में डूबते रहते हैं और कोई उन्हें नहीं बचाता। इस डर से कि उस पर बच्चे को डुबाने का आरोप न लग जाए। सारे मानवीय सम्बन्ध समाप्त हो रहे हैं।

अथवा

मैंने सोचा— मेरा अपने प्रति यह अधिकार है कि मैं हार जाऊँ, गिर भी पडूँ और भूलूँ—भटकूँ भी, क्योंकि यह सब एक मनुष्य के नाते मेरे लिए स्वाभाविक है, सम्भव है, पर मेरा यह कर्तव्य है कि मैं हार कर भागूँ नहीं, थककर बैठूँ नहीं, गिरकर गिरा ही न रहूँ और भूल भटक कर भरमता ही न फिरूँ, जल्दी से जल्दी अपनी राह पर आ जाऊँ, अपने काम में लग जाऊँ और एक नया आरम्भ करूँ, क्योंकि रुक जाना ही मेरी मृत्यु है और मरने से पहले मरना, न मेरा अधिकार है, न कर्तव्य।

4

(घ) महाकाल देवता सपासप कोड़े चला रहे हैं, जीर्ण और दुर्बल झड़ रहे हैं, जिनमें प्राणकण थोड़ा भी उर्ध्वमुखी है, वे टिक जाते हैं। दुरंत प्राणधारा और सर्वव्यापक कालाग्नि का संघर्ष निरंतर चल रहा है। मूर्ख समझते हैं कि जहाँ बने हैं, वहीं देर तक बने रहें तो काल—देवता की आँख बचा जायेंगे। भोले हैं वे। हिलते—डुलते रहो, स्थान बदलते रहो, आगे की ओर मुँह किये रहो तो कोड़े की मार से बच भी सकते हो। जमे कि मरें।

अथवा

काले—बहरे अँधियारे को मिटाकर तुम्हें सम्पूर्ण उजियारा जगमगाना है। केवल चिरन्तन प्रकाश से ही मनुष्य—जीवन सार्थक होगा। अँधियारे में औंधी सूझती है। उजियारे में सब—कुछ स्पष्ट नजर आता है। निर्धूम आलोक आत्मा के सम्मुख झिलमिलाने लगता है। जिसकी जोत के दर्शन नितान्त अन्धा मनुष्य भी कर सकता है। अँधियारे में जीना निपट अकारथ है। सम्यक् उजाले में मरना भी श्रेयस्कर है।

4

2) 'निराला' की 'जागो फिर एक बार' कविता के मूल भाव को स्पष्ट करते हुए बताइये कि इस कविता से क्या संदेश प्राप्त होता है?

अथवा

'बुद्धदेव' कविता में व्यक्त महात्मा बुद्ध के विचारों को संक्षेप में स्पष्ट कीजिए।

16

3) 'पथ की पहचान' कविता की मूलभावना को स्पष्ट करते हुए सिद्ध कीजिए कि यह कविता आज की युवा पीढ़ी के लिए एक प्रेरक कविता है।

अथवा

'प्रभु तुम मेरे मन की जानो' कविता के मूल भाव को अपने शब्दों में लिखिए।

16

4) 'एक दुराशा' निबंध में गुप्त जी ने भारत की दशा का जो वर्णन किया है, उसे अपने शब्दों में लिखिए।

अथवा

सिद्ध कीजिए कि 'शिरीष के फूल' एक सफल ललित निबंध है।

16

5) 'हरी—हरी दूब और लाचार क्रोध' निबंध का सारांश लिखिए।

अथवा

'बलवान से भिड़ंत' रचना का सारांश लिखिए।

16

6) (क) निम्न में से एक विषय पर निबन्ध लिखिए:—

8

- व्यावसायिक शिक्षा का महत्त्व
- नारी सशक्तिकरण
- राजस्थान में पेयजल समस्या व समाधान
- योग: स्वस्थ जीवन का राज

(ख) महापौर, जयपुर नगर निगम को विद्युत व्यवस्था ठीक करवाने के लिए पत्र लिखिए।

2

(ग) निम्न सूक्तियों में से किसी एक का पल्लवन (भाव विस्तार) कीजिए:—

2

- एकै साधै सब साधै सब साधै सब जाय।
- जिसकी लाठी उसी की भैंस।

(घ) मुहावरे का अर्थ बताते हुए वाक्य में प्रयोग कीजिए।

2

- अन्न जल उठ जाना
- चुल्लू भर पानी में डूब मरना

(ङ) किन्हीं चार शब्दों को शुद्ध कीजिए:—

- i) प्रगलभ ii) आसुतोस iii) श्रृंखहला iv) अभ्यारण्य v) चिनह vi) संवीधान $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$

(च) विलोम शब्द लिखिए (कोई चार):—

- i) अग्र ii) प्रतिकूल iii) अद्यतन iv) सूक्ष्म v) स्तुति vi) तम $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$

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INTRODUCTION TO COMPUTER

Paper-VI

Time: Three Hours

Maximum Marks: 80

Attempt ALL questions.

1. Explain the Computer Technology used in the field of nursing. (15)

2. Explain the following terms: (3 X 5 = 15)

(a) Features of 'chart' in Excel

(b) 'Table' in word

(c) 'Mail Merge' in word.

3. Write in brief: (10 X 5 = 50)

(a) What is Hospital Management System?

(b) How will you find your files in windows?

(c) What is Recycle Bin? Give its importance.

(d) Write the uses of Multimedia in Nursing.

(e) What are PPT? Explain.

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MICROBIOLOGY

Paper-V

Time: Three Hours

Maximum Marks: 80

Attempt any *FIVE* questions.

(All questions carry equal marks.)

- 1) Define the following: 8 x 2 = 16
- a) Gram stain. b) Flagella. c) Commensal. d) Epidemic.
e) Disinfectant. f) Immunity. g) Log phase. h) Lytic cycle
- 2) Briefly discuss: 2 x 8 = 16
- a) Types of culture media with suitable examples.
b) Morphological classification of microbes with examples.
- 3) Write a short note on following: 4 x 4 = 16
- a) Nosocomial infection and its control.
b) Biomedical waste management.
c) Antibiotics with four (4) examples.
d) Types of sterilization methods.
- 4) Discuss briefly: 2 x 8 = 16
- a) Mycoplasma infection, life cycle and its prophylaxis.
b) Any four (4) viral infections and its prophylaxis.
- 5) Discuss briefly (Any four): 4 x 4 = 16
- a) Antibody antigen interactions and its types. b) Hypersensitive and its different types.
c) Immunization schedule. d) Moist heat sterilization.
e) Rodents and vectors.
- 6) Explain about hospital infection control programme and role of nurse in the same. 16

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NURSING FOUNDATION

Paper-III

Time: Three Hours

Maximum Marks: 80

Attempt any *FIVE* questions.

(All questions carry equal marks.)

- 1) a) Define nursing. 2
 b) Enlist the qualities of an efficient nurse. 7
 c) Discuss the code of ethics for nurses. 7
- 2) Describe the responsibilities of nurses for the following: 4 x 4 = 16
 a) Segregation and transportation of bio-medical waste.
 b) Storage and maintenance of drugs.
 c) Discharging a patient.
 d) Preparation of patient for the surgery.
- 3) Write short notes on any four: 4 x 4 = 16
 a) Care of the dead body.
 b) Functions of hospital.
 c) Care of rubber goods.
 d) Complications of dirty mouth.
 e) Nosocomial infection.
- 4) a) What do you mean by pressure sores. 2
 b) Enlist the causes and stages of pressure sores. 6
 c) Explain the nursing care to prevent pressure sores. 4
 d) Describe the role of a nurse in care of unconscious patient. 4
- 5) a) Define hypoxia and dyspnea. 4
 b) Enlist the factors affecting blood pressure. 4
 c) Write the nursing management of patient with dyspnea. 4
 d) List the methods of oxygen administration. 4
- 6) Write short notes on any four : 4 x 4 = 16
 a) Cold application.
 b) Nursing theories.
 c) Barriers to effective communication.
 d) Scope of nursing practice.
 e) Methods of physical examination.

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NUTRITION AND BIOCHEMISTRY

Paper-II

(Section A & B)

Time: Three Hours

Maximum Marks: 80

Question No.4 of Section A and B both are compulsory

Attempt any TWO from rest of the questions in each section

(Use Separate Answer-Book for Each Section)

SECTION – A (Nutrition) Marks : 40

- 1) Classify carbohydrates. Describe their functions, dietary sources and deficiency diseases. 2+3+3+4
- 2) Write briefly on any three of the following:
- a) Functions of protein & its sources. 4
 - b) Digestion and absorption of fats. 4
 - c) Function of water & Electrolytes. 4
 - d) Factors affecting food and nutrition. 4
- 3) Explain the nutritional problems in India and the national nutrition policy. 12
- 4) Write short notes:
- a) Role of nutrition in maintaining health. 8
 - b) Prevention of food adulteration act. 8

SECTION – B (Biochemistry) Marks : 40

- 1) Define gluconeogenesis. Explain the pathway of gluconeogenesis. 2 + 10
- 2) Discuss briefly:
- a) Importance of biochemistry for nurses. 6
 - b) Blood buffer. 6
- 3) Write briefly:
- a) RNA-types and functions. 6
 - b) Classify lipids and mention functions of lipids. 6
- 4) Write short notes on:
- a) Urea cycle. 4
 - b) Essential amino-acids. 4
 - c) Glycolysis in RBC 4
 - d) Metabolic Acidosis. 4

B.Sc. Nursing (Pt.-I)**B.Sc. Nursing Part-I (Main & Remanded) Examination****November - 2015****PSYCHOLOGY****Paper-IV****Time: Three Hours****Maximum Marks: 80****Attempt any FIVE questions.****(All questions carry equal marks.)**

- 1) Define mental health. Explain the characteristics of mentally healthy person. 16
- 2) Define psychology. Discuss the branches of psychology in detail. 16
- 3) Define emotion. What are the theories of emotion and explain. 16
- 4) Define learning. How a reflex is going to be learnt according to Pavlov's classical conditioning. 16
- 5) Define intelligence. Explain the different types of intelligence test used in the assessment of intelligence. 16
- 6) Explain about the changes occurring during adolescence both psychological and emotional. 16
- 7) Write short notes on any four: 4 x 4 = 16
 - a) Defence mechanism.
 - b) Guidance and counselling.
 - c) Maslow's need hierarchy theory.
 - d) Types of conflicts.
 - e) ID, EGO, superego.
 - f) Twins mechanism.