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RAN-2503000504038001

B. Sc. (NEP) (Sem. - IV) Examination April - 2025

Bioscience (Microbiology) - Major

BM-MJ-403 : Medical Physiology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (NEP) (Sem. - IV)

Name of the Subject :

Bioscience (Microbiology) - Major - BM-MJ-403 :
Medical Physiology

Subject Code No.: 2503000504038001

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat & clean diagram wherever necessary.

Q. 1. Multiple choice questions: (Any Ten)

10

- Which among the following is the pouch like masculine bag?
 - Stomach
 - Esophagus
 - Small intestine
 - Large intestine
- The alimentary canal is typically longer in _____
 - herbivores
 - carnivores
 - insectivores
 - omnivores
- Which enzyme is activated by HCl?
 - Lipase
 - Pepsinogen
 - Pancreatic lipase
 - Trypsin
- _____ is exocrine gland
 - Salivary gland
 - Liver
 - Lacrimal gland
 - All

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5. Capsule is seen in _____
 - a. Kidneys
 - b. Adrenal gland
 - c. Pancreas
 - d. Stomach
6. Cowper's gland is present in _____
 - a. Male reproductive system
 - b. Female reproductive system
 - c. Male respiratory system
 - d. None
7. Which of the following is an example of types of messenger?
 - a. Paracrine
 - b. Autocrine
 - c. Neurocrine
 - d. All
8. Which of the following is a function of hypothalamus?
 - a. Regulation of blood pressure
 - b. Regulation of water balance
 - c. Regulation of body temperature
 - d. All
9. GnRH directly stimulates release of _____
 - a. FSH
 - b. Progesterone
 - c. Estrogens
 - d. Thyrocalcitonin
10. Which of the following is an example of tropical hormone?
 - a. GH
 - b. TRH
 - c. ADH
 - d. ACTH
11. Which of these diseases is not related to thyroid glands?
 - a. Cretinism
 - b. Myxoedema
 - c. Goiter
 - d. Acromegaly
12. Which of the following is hypopituitarism?
 - a. Acromegaly
 - b. Dwarfism
 - c. Goiter
 - d. All

Q. 2. Describe in detail the histology & physiology of Stomach. **10**

OR

Q. 2. Write short notes. **10**

1. Pancreatic juice.
2. Function of liver.

- Q. 3. Answer the following questions. (Any Two) 10**
1. Write a detail note on Nephron.
 2. Draw a neat & labelled diagram of Liver
 3. Draw a neat & labelled diagram of TS of male gonad.
- Q. 4. Write a detail note on - Physiology of Hypothalamus. 10**
- OR**
- Q. 4. Answer the following questions. 10**
1. Describe in brief characteristics of hormone.
 2. Gonadal Hormones.
- Q. 5. Write a detail note on - Microscopic organization of Hypophysis. 10**
- OR**
- Q. 5. Answer the following questions. 10**
1. Draw a neat and labelled diagram of TS of adrenal gland.
 2. Write a note on hormones of adenohipophysis.
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