



DG-3123

Third Year B. Sc. (Sem. V) Examination

March/April - 2016

Physics (Gen. Ele.)

(Bio-physics) (CAN)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृष्टांतक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="Third Year B. Sc. (Sem. V)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Physics (Gen. Ele.) (Bio-physics) (CAN)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="3"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	

(2) The Marks shown on right is the full marks of question.

(3) The symbols used in the question paper have their usual meaning.

Q:1 GIVE SHORT ANSWERS OF ALL QUESTIONS.

08

- 1) What is biostatics?
- 2) There are two types of bone tissues, _____ and _____.
- 3) What is Mass Specific Muscle Power for human?
- 4) Density of compact bone is app. _____ gm/cm³.
- 5) Which fluids are called Newtonian fluids?
- 6) The blood is a _____ fluid. (non -Newtonian, Newtonian).
- 7) The _____ produces sound, while _____ flow is silent.
- 8) Full name of GRIN.

Q:2(a) Explain locomotion in Water in detail.

10

OR

- (a) Give a detail report on Xylem transport.
- (b) Write a note on temperature dependence of fluid.

10

4

OR

- (b) Explain role of gravity.

4

Q:3(a) Explain in detail the physiology of Respiration and physics of Alveoli .

10

OR

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[Contd....

(a) Draw a neat figure of human eye. Explain the terms refraction, GRIN, spherical and chromatic aberration. 10

(b) Explain the Myopia and Hyperopia in eye. 4

OR

(b) Explain sound impedance. 4

Q:4 Attempt any two. 14

1) Explain Retina and Photoreceptor.

2) Explain the Phloem transport.

3) Explain reduced eye model with diagram of eye.

4) Explain transport of O_2 in blood.