

بجائوٹی، گروپ دومرا (نوسیم) حصہ معروضی وقت = 15 منٹ، کل نمبر = 12

تعلیمی سیشن 2012-2014

نوٹ: ہر سوال کے چار ممکن جوابات A, B, C اور D دیئے گئے ہیں۔ جمالی کاپی پر ہر سوال کے سامنے دیئے گئے دائروں میں سے درست جواب کے مطابق متعلقہ دائرہ کو مار کر یا تین سے گھر دیجئے۔ ایک سے زیادہ دائروں کو پر کرنے یا کاٹ کر پر کرنے کی صورت میں نمکونہ جواب مقرر ہوگا

- 1- بجائوٹی کی یہ شاخ حشرات سے متعلق ہے  
(A) ٹیکسٹونومی (B) اینٹامالوجی (C) فزیالوجی (D) ایمونولوجی
- 2- ہورتیکلچر کا تعلق کس سے ہے  
(A) باغبانی (B) مرغیانی (C) طیور (D) پودے
- 3- ایسے ہائپوٹھیسز جو اکثر ٹیسٹ کے جائز اور کئی ستر دہائیوں کے کھاتے ہیں  
(A) (B) (C) (D)
- The hypothesis that stand the often tested and never rejected are called  
(A) Laws (B) Theories (C) Deductions (D) Experiment
- 4- Who was discover kingdom protista  
(A) ابو الحسن (B) جابر بن حیان (C) ارسطو (D) ارنسٹ ہیکل
- 5- Inter phase divided in  
(A) تین (B) دو (C) پانچ (D) چار
- 6- Where is Protien synthesis ?  
(A) نیوکلئیس (B) سائل دال (C) رائبوسوم (D) میتوکانڈریا
- 7- Neucleus is discovered in plant cell  
(A) 1932 (B) 1931 (C) 1731 (D) 1831
- 8- Enzyme Amylase is used in  
(A) کپڑے دھونے (B) صابن سازی (C) رنگ سازی (D) برتن دھونے
- 9- One molecule of ATP release energy  
(A) 7300 (B) 3700 (C) 370 (D) 1700
- 10- Necessary for thoyroid gland's function  
(A) کلورین (B) آئیوڈین (C) زنک (D) کیلشیم
- 11- Which disease is caused by an insufficient amount of iodine  
(A) اینیمیا (B) ماریس (C) کواشیاکر (D) گولڈر
- 12- How much water makes the part of plasma  
(A) 90 - 92 % (B) 90 - 91 % (C) 90 - 80 % (D) 90 - 70 %

12013 کلاس

D.G Khan Board

بجائوٹی، گروپ دومرا (نوسیم)

تعلیمی سیشن 2012-2014

کل نمبر = 63، کل وقت = 45 منٹ

حصہ اول (PART I)

- Q. No. 2 Write short answers any six of the following 6 x 2 = 12
- (1) Differentiate between cell biology and histology (2) What is meant by Horticulture ? What benefit this occupation gives to man ? (3) Where does Frog live and what is its scientific name ? (4) What is meant by Deductions ? (5) What is female Anopheles and to which disease it relates ? (6) What is the Basis of classification ? Explain it (7) What is meant by two kingdom classification system and on which thing is it based ? (8) Explain S-Phase in cell cycle (9) What is meant by Regeneration ? Give an example
- Q. No. 3 Write short answers any five of the following 5 x 2 = 10
- (1) Define microscopy and magnification (2) What are plasted. Name their kinds (3) Describe the function of Lysosoms (4) What is the use of enzyme in paper industry ? (5) What is meant by saturation of active site ? (6) What is induced fit model ? (7) Define alcoholic fermentation with equation (8) Define light reaction
- Q. No. 4 Write short answers any five of the following 5 x 2 = 10
- (1) Write the weight and size of liver in an adult human (2) What are micronutrients ? Give an example (3) What do you mean by vitamin. Write the name of it's types (4) How will you differentiate between bolus and chyme ? (5) Define capillaries (6) Define systole and diastole (7) What is Arteriosclerosis ? (8) Write the names of two famous scientists who revealed much knowledge of blood circulatory system

حصہ دوم (PART II)

- NOTE: Attempt any three questions from this part
- 5-(a) Write note on Collenchyma and sclerenchyma tissues (b) What is scope of Fishries and Biotechnology as career in Biology
- 6-(a) Write about two endangered species in Pakistan ? (b) Write a note on prophase of mitosis
- 7-(a) Define and explain fermentation. What are its two main types ? (b) What are meristematic tissues of plants. Explain its two types
- 8-(a) Write down the characteristics of enzymes (b) Describe importance of fertilizers
- 9-(a) Briefly give the symptoms of Diarrhoea also describe the treatments and preventions (b) What four chambers make the Human heart and how blood flows through these chambers ?

PRACTICAL PART (Part - III) حصہ سوم

- 10- Attempt any two questions from A, B and C of the following
- (A) (i) You studied the mustard plant. What type of its leave are, make its diagram (ii) You studied starfish, Write down its two Properties (B) (i) You observe the slide of Animal cell. Draw the diagram of Blood cell of Frog and label it (ii) You see the affect of lime water on germinating seeds. Write down the reaction of CO<sub>2</sub> with lime water (C) (i) You would have performed experiment in the laboratory. Describe transpiration in a plant by using bell Jars and a potted plant with a diagram (ii) You would have performed experiment in laboratory. Describe briefly Biuret test for proteins