



2. In a double bond connecting two atoms there is sharing of:  
(A) 2 electrons (B) 4 electrons  
(C) 1 electron (D) 6 electrons

### BIOLOGY

1. One of the following terms involves all others?  
(A) Stock (B) Scion (C) Graft (D) Cambium
2. The following plant has bisexual flower:  
(A) Papaya (B) Date palm (C) Cycas (D) Datura

### AGRICULTURE

1. Diammonium phosphate contains  $P_2O_5$   
(A) 20%  $P_2O_5$  (B) 36%  $P_2O_5$   
(C) 46%  $P_2O_5$  (D) 60%  $P_2O_5$
2. The cotton plant belongs to the family:  
(A) Brassicaceae (B) Malvaceae (C) Rutaceae (D) Solanaceae

### MATHEMATICS

1. In a  $\Delta ABC$ , if  $a = 3$ ,  $b = 4$  &  $c = 5$  then  $\cos A$  is :  
(a)  $4/5$  (b)  $3/5$  (c)  $5/4$  (d)  $3/4$
2. If the third term of G. P. is 4, the product of first five terms is:  
(A)  $4^3$  (B)  $4^5$  (C)  $4^4$  (D) None of the above

### COMMUNITY SCIENCE

1. Amla is rich source of  
(A) Calcium (B) Vitamin C (C) Zinc (D) Vitamin E
2. This is natural fibre  
(A) Rayon (B) Nylon (C) Acetate (D) Cotton

## BSET (Ballawal Saunkhri Entrance Test)

For admission to B.Sc. (Hons) Agriculture 4-year degree programme of PAU College of Agriculture, Ballawal Saunkhri

### 1. TEST STRUCTURE

- (a) The test shall comprise one paper of three hours' duration.
- (b) The question paper will have three sections as under:
- (i) Compulsory sections:  
Physics : 66 questions of one mark each.  
Chemistry : 66 questions of one mark each.  
These two sections are compulsory for all candidates.
- (ii) Section with option Mathematics/Biology/Agriculture  
68 questions of one mark each for Biology or Agriculture  
or 34 questions of two marks each for Mathematics.

- The candidate can opt for any of these three options. The optional subject in which the candidate wants to appear must be mentioned at Sr. No. 6 of the application form.
- (c) Each correct answer will carry one mark whereas  $1/4$  mark will be deducted for every wrong answer. The weightage for correct and incorrect answer will be double in case of Mathematics subject.
- (d) The medium of question paper will be English only.



### 2. SYLLABUS

The syllabi of Entrance Test will be the same as the syllabi of 10+2 of the Punjab School Education Board (both years i.e., +1 and +2).

### 3. Model Questions

#### PHYSICS

- Angular momentum has the same dimensions as:  
(A) Boltzmann constant (B) Rydberg constant  
(C) Universal Gravitational constant (D) Planck's constant
- Which of the followings is not a conservative force?  
(A) Gravitational force (B) Electrostatic force  
(C) Magnetic force (D) Frictional force

#### CHEMISTRY

- Which of the following elements is a metalloid?  
(A) Si (B) Sn (C) Pb (D) Ge
- The correct oxidation number of Mn atom in  $\text{KMnO}_4$  is  
(A) 7 (B) 6 (C) 5 (D) 8

#### BIOLOGY

- Peduncle is a stalk of  
(A) Flower (B) Inflorescence (C) Leaf (D) Fruit
- Tendons are sheets of  
(A) White fibers and connect bone to bone (B) White fibers and connect muscle to bones  
(C) Yellow fibers and connect bone to bone (D) Yellow fibers and connect muscle to bones

#### MATHEMATICS

- The area bounded by the lines  $y = 2 + x$ ,  $y = 2 - x$  and  $x = 2$  is given by  
(A) 3 (B) 4 (C) 8 (D) 16
- If  $A + B = 45^\circ$  then the value of  $(1 + \tan A)(1 + \tan B)$  is  
(A) 0 (B) 1 (C) 2 (D) 4

#### AGRICULTURE

- The cattle and buffaloes species are called  
(A) Caprine (B) Ovine (C) Bovine (D) Swine
- The Marek's disease is mostly found in  
(A) Buffalo (B) Cattle (C) Goat (D) Poultry

For test structure/syllabus/model questions for all subjects of

**Masters' Entrance Test (MET)**

and

**Ph.D. Entrance Test (PET)**

refer to Booklet or visit PAU website

**[www.pau.edu](http://www.pau.edu) & download**

**MET-Syllabus 2021 for MET-Test & PET-Syllabus 2021 for PET-Test**