

**Admission Test****Sample Questions for Undergraduate Programs**

Read the admission instruction to identify the sections relevant to you. The sample questions indicate the pattern, not the difficulty level of the questions that will appear in the admission test. The test consists of SIX SECTIONS. Section A, Section B, Section C, Section D, Section E and Section F.

SECTIONS	QUESTION TYPE	NO. OF QUESTIONS	TOTAL MARKS
A. ENGLISH	MCQ	25	25
B. MATHEMATICS	MCQ	25	25
C. PHYSICS	MCQ	25	25
D. CHEMISTRY	MCQ	25	25
E. GENERAL KNOWLEDGE	MCQ	25/50	25/50
F. BIOLOGY	MCQ	25	25

NAME OF PROGRAMS	SECTIONS	DURATION	TOTAL MARKS
ENGINEERING (Civil, Computer, Mechanical, Electrical and Electronic)	A, B, C, D	60 Minutes	100
BBA, BATHM, BAECON, ENGLISH	A, B, E(50)	60 Minutes	100
AGRICULTURAL SCIENCE	A, B, D, F	60 Minutes	100

SAMPLE QUESTIONS:**SECTION A: ENGLISH**

1. Rafiq called me a liar. What is the direct speech of this sentence?

- a. Rafiq said to me, “you were a liar”.
- b. Rafiq says to me, “you are a liar”.
- c. Rafiq told me, “you are a liar”.
- d. Rafiq said to me, “you are a liar”.

2. Identity the word that is correctly spelled

- a. development
- b. develtpment
- c. developtment
- d. developtent

3. I hardly understand French. "hardly" means

- a. rarely
- b. quickly
- c. nicely
- d. clearly

4. Kamal will come to Dhaka21st October.
e. on b. in c. at d. with

5. Since the weather is rough, "My mother did not let me go outside" is a
a) simple sentence
b) complex sentence
c) compound sentence
d) compound complex sentence

6. When the Principal entered the class, a student..... on the blackboard.
a. wrote b. was writing
c. writes d. is writing

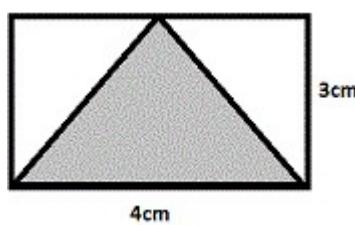
SECTION B: MATHEMATICS

1. In a class of 40 students 20% are girls. How many boys are there in the class?
A. 26
B. 28
C. 30
D. 32

2. If $2x - 1 \leq 3x - 3$ which one will be true?
(A) $x \leq 1$ (B) $x \geq -2$ (C) $x \leq 2$ (D) $x \leq -2$ (E) $x \geq 2$

3. What is the area in cm² of the shaded region in the diagram below?

A. 6
B. 7
C. 8
D. 9



4. A man's weekly salary is x Tk. He saves y Tk. What fraction of his weekly salary does he spend?
A. $\frac{x}{y}$ B. $\frac{x-y}{x}$ C. $\frac{y-x}{x}$ D. $\frac{y-x}{y}$ E. $\frac{x-y}{y}$

5. What is the rate of discount if a bicycle which cost Rs.4,000 is sold for Rs.3,200?
A. 14% B. 16% C. 18% D. 20%



6. What is the 20th number of sequence 1,4,7,10..... ?

A. 60 B. 58 C. 63 D. 49 E. 59

SECTION C: CHEMISTRY

1. In known elements, the maximum number is of

A. metals B. non metals C. metalloids D. none of these

2. 4. In nuclear reactor, Chain reaction is controlled by introducing

A. cadmium rod B. iron rod C. platinum rod D. graphite rod

3. Which is the gas used for making vegetables and vanaspathi from vegetable oils?

A. hydrogen B. nitrogen C. argon D. helium

4. In alkenes each carbon atom forms

A. 2 bonds B. 4 bonds C. 6 bonds D. 8 bonds

5. What one is the correct molecular formula of potassium dichromate?

A. KCl B. PCl5 C. K2Cr2O7 D. KMnO4

6. Which particle is not a fundamental particle?

A. Electron B. Proton C. Neutron D. Deuteron

SECTION D: PHYSICS

1. Which one of the following is correct?

(a) $\hat{j} \times \hat{k} = -\hat{i}$
(b) $\hat{j} \times \hat{k} = \hat{i}$
(c) $\hat{j} \times \hat{k} = 1$
(d) $\hat{j} \times \hat{k} = 0$

2. What is the unit of energy?

A. Newton B. m/s C. Joule D. eV

3. If the molecules of the fluid do not flow parallel to the direction of flow, then that motion is called-

A. Streamline motion B. Turbulent motion
C. Non-linear motion D. Circular motion

4. The first law of thermodynamics is expressed as-

(a) $dQ = du + dW$
(b) $du = dQ + dW$
(c) $dW = dU + dQ$
(d) $du = dQ$



5. Cathode rays are –

A. positively charge B. negatively charge C. neutral D. none of them

SECTION E: GENERAL KNOWLEDGE

1. The World Largest desert is ?

A. Thar B. Kalahari C. Sahara D. Sonoran

2. Country that was called as Land of Rising Sun ?

A. Russia B. Japan C. Korea D. Holland

3. The hottest planet in the solar system ?

A. Earth B. Venus C. Mars D. Jupiter

4. Headquarters of UNO are situated at

A. New York, USA B. Hague (Netherlands)
C. Geneva D. Paris

5. What is "Oval Office"?

A. UN Security Council meeting room
B. The personal office of the US President
C. The place where the Queen of England gives personal audience
D. The place where England's Cricket Control Board is headquartered

SECTION F: BIOLOGY

1. Which of the following is a nitrogen-fixing symbiotic organism in legumes

A. Mycorrhiza B. Rhizobium C. Azotobacter D. Cyanobacteria

2. Which pigment absorbs light energy during photosynthesis

A. Hemoglobin B. Insulin C. Chlorophyll D. Myoglobin

3. The shape of DNA is

A. Circular B. Double helix C. Straight rod D. Triangle



4. Pollination is the process of transferring pollen from

- A. Ovary to stigma
- B. Anther to stigma
- C. Anther to ovary
- D. Ovary to anther

5. Which of the following is NOT a part of the flower

- A. Carpel
- B. Sepal
- C. Stamen
- D. Endosperm