

PAF COLLEGE LOWER TOPA
(ACADEMIC TEST)
Sample Question Papers

Note: The Academic Test comprises 100 Multiple Choice Questions (MCQs) of four subjects (Maths, General Science, English & Urdu) in Actual Paper. The Test is to be attempted by the Candidate on Computer (E-Test).

Maths

Multiple Choice Questions:

- (i) The multiplicative inverse of $-\frac{14}{7}$ is:
(A) -2 (B) 2 (C) $-\frac{1}{2}$ (D) $\frac{1}{2}$
- (ii) What is the square root of $\frac{4096}{15129}$
(A) $\frac{64}{123}$ (B) $\frac{24}{123}$ (C) $\frac{18}{123}$ (D) $\frac{26}{123}$
- (iii) The set of rational number is denoted by:
(A) R (B) Q (C) R' (D) Q'
- (iv) If length of a cube is 10cm then what will be its volume?
(A) 100cm^2 (B) 1000cm^2 (C) 1000cm^3 (D) 10000cm^3
- (v) Two sets A and B are said to be disjoint sets, if:
(A) $A \cup B = \emptyset$ (B) $A \cap B = A$ (C) $A \cap B = \emptyset$ (D) $A \cup B = B$
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General Science

Multiple Choice Questions:

- (i) Hair in nostrils help to:
(A) Inhale easily (B) Exhale easily
(C) Clean air from dust (D) Make the air warm
- (ii) Which of the following methods is used to separate a dissolved solid component from its solution?
(A) Evaporation (B) Filtration (C) Sedimentation (D) Decantation
- (iii) ECG stands for:
(A) Electro cardiogram (B) Electron carrying gun
(C) Electric circuit gauge (D) Electrograph
- (iv) State of matter with a definite volume, but no definite shape:
(A) Solid (B) Liquid (C) Gas (D) None of these
- (v) The main source of energy for a food chain is:
(A) Producers (B) Fertilizers (C) Soil (D) Sun

English

Multiple Choice Questions:

- (i) The hunter aimed (at) the dove.
(A) Adverb (B) Adjective (C) Preposition (D) Conjunction
- (ii) I _____ an appointment with the dentist soon.
(A) will make (B) have made (C) Make (D) Made
- (iii) What is the Antonym of word "Natural"?
(A) Solid (B) Truthful (C) Artificial (D) Genuine
- (iv) He is absent _____ the class.
(A) From (B) Of (C) For (D) In
- (v) Identify the correctly spelt word.
(A) Bouquet (B) Bouquette (C) Bouquete (D) Boqque
- (vi) I _____ tennis every Sunday morning.
(A) playing (B) Play (C) am playing (D) am play

اُردو

معروضی سوالات

- (i) : پاکستان کا اعلیٰ ترین فوجی اعزاز ہے:
(i) تمغہ امتیاز (ب) ہلال امتیاز (ج) نشانِ حیدر (د) ستارہ امتیاز
- (ii) : "بچہ حنا" قواعد کی رو سے کیا ہے؟
(i) اسم مصدر (ب) اسم حاصل مصدر (ج) اسم جامد (د) اسم مشق
- (iii) : ایک شعر میں کتنے مصرعے ہوتے ہیں؟
(i) دو (ب) تین (ج) چار (د) پانچ
- (iv) : پھول کا متضاد کیا ہے؟
(i) جڑ (ب) کانٹا (ج) پتا (د) غار
- (v) : "ہامی" کا مترادف ہے:
(i) دوست (ب) دشمن (ج) مچھلی (د) محبوب
- (vi) : کہیو نرسانہ _____ کی طرح کام کرتا ہے۔
(i) سوئی (ب) دماغ (ج) اعصاب (د) عقل

SYLLABI FOR THE ADMISSION TEST داخلے کے امتحان کا نصاب

General Science

جہل سائنس

(Below mentioned topics / areas may be included in paper)

(مندرجہ ذیل عنوانات پرچہ میں شامل کیے جاسکتے ہیں)

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|-----|---|-------------------------------------|-----|
| (a) | Human, Plants Organ System | انسانی، پودوں کے اعضاء کا نظام | ۱۔ |
| (b) | Transport in Human and Plants | انسانوں اور پودوں میں تر | ۲۔ |
| (c) | Reproduction in Plants | پودوں میں عمل تولید | ۳۔ |
| (d) | Environment and Feeding Relationships | ماحول اور غذا کا باہمی تعلق | ۴۔ |
| (e) | Water, Light, Air | پانی، روشنی اور ہوا | ۵۔ |
| (f) | Structure of an Atom | ایٹم کی ساخت | ۶۔ |
| (g) | Physical and Chemical Changes & Processes | روشنی کا انتشار | ۷۔ |
| (h) | Matter and Its Properties | مادہ اور اس کی خاصیتیں | ۸۔ |
| (j) | Some Common Gases | آواز اور آواز کی موجیں | ۹۔ |
| (k) | Force, Work and machines | قوت، کام اور مشینیں | ۱۰۔ |
| (l) | Transmission of Heat | انتقال حرارت | ۱۱۔ |
| (m) | Dispersion of Light | طبعی اور کیمیائی تبدیلیاں اور طریقے | ۱۲۔ |
| (n) | Sound and Sound Waves | چند عام گیسیں | ۱۳۔ |
| (p) | Circuits, electric Current and Magnetism | سرکٹس، الیکٹرک کرنٹ اور مقناطیسیت | ۱۴۔ |
| (q) | Atmospheric Pressure | ہوا کا دباؤ | ۱۵۔ |
| (r) | Earth, Space and Oceans | زمین اور خلا اور بحر | ۱۶۔ |

**PAF COLLEGE LOWER TOPA
(INTELLIGENCE TEST)
Sample Question Paper**

Note: The Intelligence Test comprises 100 Multiple Choice Questions (MCQs) in Actual Paper. The Test is to be attempted by the Candidate on Computer (E-Test).

Multiple Choice Questions (MCQs)

VERBAL

Q.1: Opposite of day is:

- (A) evening
(C) night

- (B) dark
(D) midnight

Q.2: How many minutes are in 3.5 hours?

- (A) 210 (B) 215 (C) 240 (D) 320

Q.3: 13 9 22 31 53 ?

- (A) 75 (B) 84 (C) 106 (D) 62

NON-VERBAL

Q.4: Which is the odd one out?



(A)



(B)

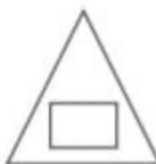


(C)



(D)

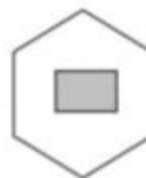
Q.5: Which one of the following is different from the rest?



(A)



(B)



(C)



(D)