



KNOWLEDGE IS POWER

# AMEEE

## AIRCRAFT MAINTENANCE ENGINEERING ENTRANCE EXAM SAMPLE QUESTION PAPER FOR AMEEE EXAM

### Maths

**Q.1:** A line which cuts a pair of parallel lines is called .

- (a) tangent (b) chord (c) transversal (d) interjector

**Q.2 :** A pipe can fill a tank in 24 hrs. but if it is filled in 36hrs .due to a leakage at bottom .if tank is half filled ,then in how much time tank can be empty.

- (a) 24hrs (b) 48hrs (c) 72hrs (d) 36hrs

**Q.3:** An angle whose value is \_ is called complete angle.

- (a)  $180^\circ$  (b)  $240^\circ$  (c)  $360^\circ$  (d) None of the above.

**Q.4:** If the radius of a sphere is doubled then the percentage of increase in volume .

- (a) 600% (b) 800% (c) 500% (d) 700%

**Q.5:** Material A and B are in the ratio of 5:3 in 400gm of an alloy. How much of Material B (in gm) should be added to make the ratio 5:4 .

- (a) 72gm (b) 200gm (c) 50gm (d) 66gm

**Q.6** HCF of 168 and 126 is.

- (a) 21 (b) 42 (c) 14 (d) 18

**Q.7:** 325 can be expressed as a product of its primes as.

- (a)  $5^2 \times 7$  (b)  $5^2 \times 13$  (c)  $5 \times 13^2$   
(d)  $2 \times 3^2 \times 5^2$

**Q.8:** One Card is drawn from a well shuffled deck of 52 cards. the probability that it is black queen is.

- (a)  $1/26$  (b)  $1/13$  (c)  $1/52$  (d)  $2/13$

**Q.9:** which of the following is the decimal expansion of an irrational number.

- (a) 4.561 (b) 0.12 (c) 5.010010001.... (d) 6.03

**Q.10:**  $4950/6 + 112 \times 1.75 = ? \times 2$ .

- (a) 510.5 (b) 505.2 (c) 515.5 (d) none of the above

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#### Chemistry

**Q.1:** A metal crystallizes in a face centered cubic structure .if the edge length of its unit cell is 'a' the closest approach between two atoms in metallic crystal will be.

- (a)  $22\sqrt{2}a$  (b)  $\sqrt{2}a$  (c)  $a/\sqrt{2}$  (d)  $2a$

**Q.2:** Sodium metal crystallizes in a body centered cubic lattice with a unit cell edge of 4.29Å .the radius of sodium atom is approximately.

- (a) 1.86Å (b) 3.22Å (c) 5.72Å (d) 0.93Å

**Q.3:** which of the following compounds is metallic and ferromagnetic .

- (a)  $CrO_2$  (b)  $VO_2$  (c)  $MnO_2$  (d)  $TiO_2$

**Q.4:** The Number of Atoms In The HCP Unit Cell Is.

- (a) 4 (b) 6 (c) 12 (d) 17

**Q.5:** The empty space in the HCP Unit Cell IS

- (A) 74% (b) 47.6% (c) 32% (d) 26%

**Q6.:** Particle having the least mass is .

- (a) Electron (b) Proton (c) Neutron

- (d) None of These

**Q.7:** The Rusting OF the Iron IS the Example Of.

- (a) Oxidation (b) Reduction (c) Polymerization (d) Galvanization

**Q.8:** A solution reacts with crushed egg -shells to give a gas that turns lime water milky the contains.

- (a) NaCl (b) HCl (c) LiCl (d) KCl

**Q.9:** Which one of the following types of medicines is used for treating indigestion?

- (a) Antibiotic (b) Analgesic (c) Antacid (d) Antiseptic

**Q.10:** A solution turns red litmus blue ,its pH is likely to be.

- (a) 1 (b) 4 (c) 5 (d) 10

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### SAMPLE QUESTION PAPER FOR AMEEE EXAM

#### Physics

Q.1: A man pressed more weight on earth at.

(a) Sitting position (b) Standing position

(c) Lying position (d) none of these

Q.2: A piece of ice is dropped in a vessel containing kerosene. When ice melts, the level of kerosene will.

(a) Rise (b) fall (c) remain same (d) none of these

Q.3: An artificial satellite revolves round the earth in circular orbit, which quantity remains constant.

(a) Angular momentum (b) linear velocity (c) angular displacement (d) none of these

Q.4: Minimum distance between an object and real image of a convex lens is.

(a)  $4f$  (b)  $3f$  (c)  $2f$  (d)  $f$

Q.5: Product of force and velocity is called.

(a) Work (b) Power (c) energy (d) Momentum

Q.6: Electronegativity is the measure of.

(a) Metallic character (b) Non-Metallic character (c) basic character (d) None of these

Q.7: Which law is also called the law of inertia?

(a) Newton's first law (b) Newton's second law (c) Newton's Third Law (d) none of these

Q.8: What is the unit of astronomical distance?

(a) Light year (b) angstrom (c) weber (d) lumen

Q.9: What is the scale used for measuring the intensity of an earthquake.

(a) Metric scale (b) quake scale (c) Richter scale (d) epicenter scale

Q.10: Bolometer is used to measure.

(a) Frequency (b) temperature (c) velocity (d) wavelength

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## AIRCRAFT MAINTENANCE ENGINEERING ENTRANCE EXAM SAMPLE QUESTION PAPER FOR AMEEE EXAM

### General knowledge

Q.1:---- is the first women to head a public sector bank .

- (a) arundhati Bhattacharya (b) shikha Sharma  
(c) chanda kochar (d) usha ananthasubramanyan

Q.2: world tourism day is celebrated on .

- (a) 12 September (b) 25 September  
(c) 27 September (d) 29 September

Q.3: 'Line of blood' is a book written by whom

- (a) bairaj khanna (b) Ursula Vernon  
(c) amal ei-mohtar (d) diksha basu

Q.4: ctrl, shift and alt are called .....

- (a) modifier (b) function (c) alphanumeric (d)

Adjustment

Q.5 : junk e-mail is also called .

- (a) spam (b) spoof (c) sniffer script (d) spool

Q.6: who composed the gayatri mantra.

- (a) vishva mitra (b) Vasishtha (c) indra  
(d) parikshit

Q.7: Which state is called the 'Cradle Of Buddhism'

- (a) Sikkim (b) bihar (c) uttar Pradesh (d)  
Madhya pradesh

Q.8: which of the following is a Manipuri version of hokey .

- (a ) khong kangjei (b ) hiyang tanaba (c ) yut lakpi ( d ) none of these

Q.9: The first recipient of Rajiv Gandhi 'khel ratna award' is.

- (a ) vishwanathan anand (b) leander peas  
(c ) kapil Dev (d ) limba ram

Q.10: 20<sup>th</sup> august is celebrated as.

- (a) earth day (b) sadbhavana divas  
( c ) no tobacco day (d ) none of these

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