

- 1) Which invention in 1948 greatly changed the development of computers?
 A) Microprocessor
 B) Integrated Circuit
 C) Vacuum Tube
 D) Transistor [Correct]
- 2) What type of software contains entries like a dictionary and provides complete historical information about them?
 A) Word Processor
 B) Spreadsheet
 C) Encyclopedia [Correct]
 D) Presentation Software
- 3) How can the stored data in an EPROM be erased?
 A) By using a magnetic field
 B) By applying high voltage
 C) By exposing it to Ultra Violet (UV) light [Correct]
 D) By using a strong electric current
- 4) What type of error is associated with the limitation of an instrument's resolution?
 A) Zero error
 B) Random error
 C) Least count error [Correct]
 D) Personal error
- 5) When an object is moving to the left along the negative x-axis and slowing down, the direction of its acceleration is:
 A) Positive [Correct]
 B) Negative
 C) Zero
 D) Undefined
- 6) What is the magnitude of the horizontal component a_x of the acceleration during projectile motion?
 A) 0 m/sec^2 [Correct]
 B) 9.8 m/sec^2
 C) -9.8 m/sec^2
 D) 19.6 m/sec^2
- 7) Factorization of $P(z) = z^2 + 4$ is:
 A) $(z + 2)(z - 2)$
 B) $(z + i)(z - i)$
 C) $(z + 4i)(z - 4i)$
 D) $(z + 2i)(z - 2i)$ [Correct]
- 8) If a, b, c are position vectors of the vertices of a ΔABC , then $\vec{AB} + \vec{BC} + \vec{CA} = ?$
 A) 0 [Correct]
 B) $3a$
 C) $2b$
 D) $2c$
- 9) Faisal gave $\frac{1}{3}$ of his salary to his mother and spent $\frac{2}{5}$ of the remaining himself. If his monthly salary is Rs.21,000. What amount was left with him?
 A) Rs.7000
 B) Rs.8400 [Correct]
 C) Rs.9500
 D) Rs.10200
- 10) Find the value of x in the proportion $2 : 7 :: 14 : x$.
 A) 21
 B) 28
 C) 35
 D) 49 [Correct]
- 11) An army camp of 150 men has enough food for 40 days. How long will the food last if the number of men in the camp is reduced to 120?
 A) 50 days [Correct]
 B) 48 days
 C) 55 days
 D) 60 days
- Read the passage below and answer **Q12-13**
DIRECTION: Final exams are psychologically difficult for students and, with few exceptions, students hate them. They know that finals can make or break your grade, regardless of how well you have done previously in the semester. So students cram relentlessly; they bury themselves in notes, texts, and supplementary readings with the hope that something will sink in. Soon the pressure begins taking its toll: they may become discouraged, frustrated, short-tempered, and fatigued. Regardless of whether a student has one or all of these symptoms, he is sure to have the disease "finalitis."
- 12) Students hate final exams because:
 A) final exams prove decisive in making or breaking their grades. [Correct]
 B) final exams cause anxiety in them.
 C) final exams break their grades.
 D) final exams make their grades.
- 13) Due to final exams students:
 A) feel discouraged
 B) work very hard
 C) develop phobia for final exam [Correct]
 D) improve their grades

- 14) CHEF: RESTAURANT::DRUGGIST: ____.
[Find a similar relationship as the words in capitals]
A) medicine
B) pharmacy [Correct]
C) store
D) laboratory
- 15) ACTOR: STAGE:: PRIEST: ____.
[Find a similar relationship as the words in capitals]
A) pulpit [Correct]
B) assembly
C) parliament
D) state
- 16) FUGITIVE: FLEE:: SOLDIER: ____.
[Find a similar relationship as the words in capitals]
A) defend [Correct]
B) offend
C) boast
D) chase
- 17) CHIMNEY: SOOT:: HEARTH: ____.
[Find a similar relationship as the words in capitals]
A) ashes [Correct]
B) ambers
C) coal
D) wood