Sri Guru Granth Sahib World University, Fatehgarh Sahib

PhD Entrance Test August 2013

PAPER-I

(Compulsory for all Disciplines)

1) Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to the group?
(1) Magenta
(2) Purple
(3) Pink
(4) Blue

2) In a certain code 'DOUBT' IS WRITTEN AS '53146' AND 'TEAM' is written as '6972'. How is ABODE written in that code?
(1) 74659
(2) 73459
(3) 75439
(4) 74359

3) In a certain code DOCUMENTS is written as VDPENRSMD. How is ADVERTISE written in that code?
(1) FWEBSDRHS
(2) FWENSSHRD
(3) BEDFSDRHS
(4) FWEBSFMLD

Words in questions (Q. 4 & 5) have a definite relationship. Your task is find out the choice with the similar relationship.
4) Milk : Butter
(1) Banana : fruit
(2) Juice : Health
(3) Wood : Paper
(4) Chilli : Spices

5) Horse : Cow
(1) Milk : Ice cream
(2) Mars : Moon
(3) Snow : Water
(4) Pink : Blue

6) The Magsaysay Award is given for proficiency in which of the following?
(1) Literature
(2) Mountaineering
(3) Science
(4) Social Science

7) Which of the following have not undergone much of a change during the process of evolution over millions of years?
(A) Crocodile   (B) cockroach   (C) horse
(1) A and B
(2) B and C
(3) A and C
(4) A, B and C

8) Green house effect' means
(1) Pollution in house in tropical region
(2) Trapping of solar energy due to atmospheric carbon dioxide
(3) Prevention from ultraviolet radiation by the ozone layer
(4) None of these

9) The Indian national calendar is based on
(1) Christian era
(2) Saka era
(3) Vikram era
(4) Hijri era

10) Clothes keep us warm in winter because they
(1) Supply heat
(2) Do not radiate heat
(3) Prevent air from entering
(4) Prevent the heat of the body from escaping

Directions (12-13) : What will come in- place of the question-mark (?) in the following questions ?

11) 78% of 450 + ?% of 250 = 441
 (1) 32
(2) 36
(3) 42
(4) 44

12) 12.25 x 6.4 - 18.95 = ?
(1) 59.45
 (2) 60.645
(3) 60.45
(4) 59.045

13) Calculate the exact value of $\sqrt{?} \times 16.075 = 256$
(1) 16
(2) 36
(3) 144

(4) 256

14) Null hypothesis is denoted by –

(A) H°

(B) HO

(C) OH

(D) H_o

15) Rejecting the null hypothesis when it is correct. This known as –

(A) Error of population

(B) Error in hypothesis testing

(C) Error of tools

(D) Error of statistics

16) "In environment, there are external factors, which constantly spin out opportunities and threats to the business firm".Who said this?

(A) William Gluck and Jouch

(B) Copen

(C) Torch

(D) Richman

17) The consumer environment is growing………………… in India at present-

(A) Fastly

(B) Slowly

(C) Slow but fast

(D) Fast but slow

18) A die is rolled. What is the probability of even number?

(A) 1

(B) ½

(C) 2

(D) 1/3

19)   The value of the variable which occurs most frequently in distribution is called –

(A)   Median

(B)   Mode

(C)   Harmonic mean

(D)   Arithmetic average

20) Which of the following is not mathematical Average?

(A) Median

(B) Geometric mean

(C) Arithmetic average

(D) Quadratic mean

21) A Compiler is _____
   a) a combination of computer hardware
   b) a program which translates from one high-level language to another
   c) a program which translates from one high-level to a machine level
   d) None of these

22) Which number system is usually followed in a typical 32-bit computer?
   a) 2
   b) 10
   c) 16
   d) 32