

S.Y.B.Sc. Physics, Paper-III, Semester-IV

Sample Questions

1)is the science which deals with investigating the Earth ,using the methods andtechniques of physics.

Geophysics

Mechanics

Electronics

Optics

2) The two basic divisions of geophysics are labelled as geophysics and global geophysics.

Exploration

Geomagnetism

Paleomagnetism

Archeology

3) The use of physics to study the interior of the, from land surface to the inner core is known as solid Earth Geophysics.

Earth

Moon

Sun

Mars

4) Accordingto this hypothesis originally our solar system was very hot incandescent mass of gas in the shape of spheroidand greater in diameter than the present one.

Nebular

Seabed spreading

Continental crust

Spiral

5) and Moulton have formulated the Spiral Hypothesis as an attempt to give rational explanation of the origin of the solar system.

Chamberlin

Galileo

Newton

Rutherford

6)The average diameter of the Earth is km.

12,742

15,340

23,750

17,242

7)The radius of the inner core is about of that of Earth.

One fifth

Two third

Three forth

Half

8)The best age of the Earth is based on the time required for the lead isotopes to evolved from the composition of lead at the time the Solar System formed, this model lead age is..... billion years.

4.54

5.74

6.57

7.58

9).....are stratigraphic units of the same age.

Marker horizones

APWP

Varves

Chondrites

10) Microcomputer is theprocessor based system with limited resources.

Micro

Nano

Pico

Min

11) Set of instructions in binary format is called

LSI

PSI

PCM

MLP

12) MLP s are dependent.

Machine

Area

User

Customer

13) The address is specified in..... notations which provides more compact form.

Binary

Hexadecimal

Octal

Decimal

14) Registers are viewed aslocations, except they are built inside the microprocessor and identified by specific names.

Address

Memory

Data

Control

15) To sequence and execute the instructions a 16 bit register called is provided.

Stack Pointer

Programme Counter

Incrementor

Decrementor

16) The stack pointer is each time the data is popped off the stack.

Incremented

Decrementd

Set

Reset

17) Communication is the exchange of information between an information source and its receiver through the communication.....

Channel

Path

River

Canal

18) When the message is sent in space the channel is band of allotted to the transmitted message.

Frequencies

Wavelength

Amplitude

Phase

19) Transmission occurs in one direction only, a transmitter sends the signals and receiver receives them.

Simplex

Duplex

Triplex

Internet

20) The signals from the keyboard to the CPU and those from CPU to the monitor are Simplex, the transmission is also simplex.

Duplex

Triplex

Internet

Multiplexed

21) Some data transmission occurs in mode e.g. in inquiry response systems, FAX, CPU to printer etc.

Duplex

Triplex

Simplex

Half duplex

22) Full Duplex transmission is used in applications requiring high throughput and response time.

Slow

Fast

Moderate

Optimum

23) The of a digital signal is number of bits sent out by its transmitter in one second .

Baud Rate

Pulse Rate

Growth Rate

Bit Rate

24) frequencies are low and hence can not be transmitted over a radio link or TV or satellites.

Broadband

Brassband

Internet

Baseband