2020

PHYSICS (General)

Paper : SEC-1T

[CBCS]

Full Marks : 40   Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

Answer *all* questions.   2×20=40

1. What is the full form of RAM ?

    (a) Random Action Memory

    (b) Random Access Memory

    (c) Random Actual Memory

2. The first widely-used high level language developed in 1957

    (a) C

    (b) JAVA

    (c) FORTRAN

3. Which of the following is a valid statement for FORTRAN language ?

    (a) X**2

    (b) x^2

    (c) x^2

4. Which of the following is not a programming language ?

    (a) MS-Word

    (b) Python

    (c) Fortran

5. FORTRAN stands for —

    (a) FORmula TRANsfer

    (b) FanOut ReTRANsleter

    (c) FORth TRANsleter

6. Which of the following statements is a valid way to open the file "sum.data" and associate it with unit 1 ?

    (a) open(1,sum.data)

    (b) open(1,file="sum.data")

    (c) open(1,file=sum.data)

7. Which of the following components are there in first generation of computers ?

    (a) Vacuum Tubes and Magnetic Drum

    (b) Integrated Circuit

    (c) Magnetic Tape and Transistor

8. A program that reads the source code and converts it to a form usable by the computer

    (a) Interpreter

    (b) Compiler

    (c) Linker

9. Which of the following statements is correct for FORTRAN language to store the data points in data file ?

   (a) write(1,#)x,y

   (b) write(1,*)x,y

   (c) write(1,&)x,y

10. Which of the following commands is correct to write a paragraph in latex ?

   (a) \begin{document}

   (b) \begin(document)

   (c) \begin[document]

11. LateX was created by —

   (a) Leslie B. Lamport

   (b) Linus Torvalds

   (c) Donald Ervin Knuth

12. Latex commands start with a ____ character by the command name.

   (a) /

   (b) \

   (c) %

13. FORTRAN was developed by —

   (a) Apple

   (b) IBM

   (c) Google

14. Which of the following is valid statement in FORTRAN ?

   (a) do i=1,10

   (b) do, i=1,10

   (c) do i=1,10,

15. Which of the following is not a plotting software ?

   (a) Mathematica

   (b) Gnuplot

   (c) Kile

16. Programs stored in ROM are called —

   (a) Software

   (b) Hardware

   (c) Formware

17. Computer monitor is also known as —

   (a) DVU

   (b) UVD

   (c) VDU

18. The printed output from a computer is called —

   (a) Copy

   (b) Hard copy

   (c) Soft copy

19. Arrange in ascending order the units of memory TB, KB, GB, MB —

    (a) TB>GB>MB>KB

    (b) KB>MB>GB>TB

    (c) MB>TB>GB>KB

20. Which of the following are components of CPU ?

    (a) Arithmetic logic unit, Mouse

    (b) Arithmetic logic unit, Control unit

    (c) Control unit, Monitor

বঙ্গানুবাদ

1. RAM এর পুরো নাম কি ?

    (a) Random Action Memory

    (b) Random Access Memory

    (c) Random Actual Memory

2. প্রথম সবচেয়ে বেশি ব্যবহৃত ১৯৫৭ সালে তৈরি high level language কোনটি ?

    (a) C

    (b) JAVA

    (c) FORTRAN

3. FORTRAN ভাষাতে নীচের কোন্টি সঠিক ?

   (a) X**2

   (b) x^2

   (c) x²

4. নীচের কোনটি সঠিক programming language নয় ?

   (a) MS-Word

   (b) Python

   (c) Fortran

5. FORTRAN নামটি এসেছে —

   (a) FORmula TRANsfer

   (b) FanOut ReTRANsleter

   (c) FORth TRANsleter

6. একটি data file খোলার জন্যে নীচের কোনটি সঠিক, যেটির ক্রমিক সংখ্যা 1

   (a) open(1,sum.data)

   (b) open(1,file="sum.data")

   (c) open(1,file=sum.data)

7. নীচের কোনটি প্রথম generation omputer এ ছিল ?

   (a) Vacuum Tubes and Magnetic Drum

   (b) Integrated Circuit

   (c) Magnetic Tape and Transistor

8. Computer-এর program কে পরে computer এর দ্বারা ব্যবহার করা program-এ রূপান্তর করে —

   (a) Interpreter

   (b) Compiler

   (c) Linker

9. ডাটা পয়েন্টগুলিকে একটি ডাটা ফাইল এর মধ্যে রাখতে FORTRAN ভাষাতে নীচের কোনটি সঠিক ?

   (a) write(1,#)x,y

   (b) write(1,*)x,y

   (c) write(1,&)x,y

10. latex এ কোনো paragraph লেখার জন্য নীচের কোনটি সঠিক ?

    (a) \begin{document}

    (b) \begin(document)

    (c) \begin[document]

11. LateX কে তৈরি করেছিল ?

    (a) Leslie B. Lamport

    (b) Linus Torvalds

    (c) Donald Ervin Knuth

12. Latex এ কোনো command এর শুরুতে নীচের কোনটি ব্যবহার করা হয় ?

    (a) /

    (b) \

    (c) %

13. FORTRAN কে তৈরী করেছিল ?

    (a) Apple

    (b) IBM

    (c) Google

14. FORTRAN এ নীচের কোনটি সঠিক ?

    (a) do i=1,10

    (b) do, i=1,10

    (c) do i=1,10,

15. নীচের কোনটি প্লট করার জন্যে ব্যবহার করা হয় না ?

    (a) Mathematica

    (b) Gnuplot

    (c) Kile

16. ROM এ রাখা Program-এর নাম কি ? —

    (a) Software

    (b) Hardware

    (c) Formware

17. Computer এর monitor এর অপর নাম কি বলো ?

    (a) DVU

    (b) UVD

    (c) VDU

18. computer থেকে printed output কে কি বলা হয় ?

    (a) Copy

    (b) Hard copy

    (c) Soft copy

19. Memory এর বড় থেকে ছোট অনুসারে সাজাও—

    (a) TB>GB>MB>KB

    (b) KB>MB>GB>TB

    (c) MB>TB>GB>KB

20. নীচের কোনটি CPU এর অংশ ?

    (a) Arithmetic logic unit, Mouse

    (b) Arithmetic logic unit, Control unit

    (c) Control unit, Monitor

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