FIRST SEMESPEMCA C2020 SCHEMED PRACTICAL EXAMINATION JUNE-JULY 2021

20MCA 131 PROGRAMMINGILAB.

Date: 2-07-2021

Reg: NO: ICEMCA-2037

Jime: 1 pm - Apro

BATCH 2: SET A

Tell State of the

QUESTIONS

1. List ordinal value of each element of a word

2. Greate a package graphics with modules rectangle, circle and subjectage 3D graphics with modules aubord and sphere. Include methods to find area and perimeter of respective sigmes in each module light programs that find area and parimeter of sigme by different important statement.

CD List ordinal value of each element of a word

list 1 = ['shee', 'lee', 'reshi']

Point ("The organal list: \n" + str Clista))

res = [ord (ele) fev sub in lista for ele in sub]

Point ("The ascii list is: \n" + str (res))

Character of the

EXPECTED OUT PUT

The organal list [shee , lee , weshill The ASCII LIST IS! Read words [100, 120, 130 ...]

OUTPUT

The original list ['shee', 'ree', 'heahi'] The ASCII LIST Is:

ALGORITHM

step 1: start

Signs: point orginal lut

step 4. ordinal elements

for suda in lut for

elements in sub

Staps: print 'ASCII value

steps: stop

[115/104, 101, 101, 101, 14, 1011, WT) 104, 100]

(2) Create a paixage graphic with module vectorigle, crule and sub package 30-graphics with modules cuboid and sphere. Include methods to find one and perimeter of figure by different importing statement

circle and and prepared applications and application

cuboid and spring sychide methods to and over

PROGRAM

Packages: Graphics

Circle

cricle avea def c bea cos: reult = 3.14 * 7 * 8 return result

circle penimete def cpeninger(n) Rectangle

Area of rectangle

def Recavea (w, 1):

result = w**,

return result.

#perimeter of rectangle

def Experimetr Cwill:

result = 2 * CP+w)

Sub-packages: 3D graphics

au Cuboid to Albania Colors Tights for Es one

HAVER of auboid

def Acuboid can:

result = 6 * a*a

vetum result.

perimeter of cuboid

def peuboid (1,b,b)

aresult = 4* (1+b+b)

return result.

Sthere

Howen and perimeter of sphere fun.

def Asphere (v):

verult = 4*3.14****

verult verult

parimeter from.

def pshere cos:
veille - (4/3)* 3.14 * 7 * 12.16
veille result

Graphia Main ty

from graphics rectange AP function import * from graphics. Circle APFunction imports from graphics. agraphics. Caloud Affireton imperts from graphics. dyraphics. Sphare AP Function importnum_1 = int cinput cleanter length of rectangle 4) num 2= int cingut clanter breadth of rectangle ">) print ("avea = ", Recarea Chuma / mum 2)) print ("perimeter-", & perimeter cours, num 1) radius = int cinput cllenter the radius of a circle 10 print ("circle over = ", caver cradius)) point & c'arde peimeter =", (perimeter cradius)) radius - int Cisput clerker radius of sphere)) print ("aven of sphere =" 1 A sphere (radius)) ponnt ("penimeter of sphere=", Psphere (radius))

edge = int Cinput Clenter the edge of cuboid 19

l = int Cinput Clenter the length of cuboid 19

b = int Cinput Clenter the breadth of cuboid 19)

b = int Cinput Clenter the breadth of cuboid 19)

Print ("avea of cuboid", Acuboid (edge))
Print ("perimeter of cuboid ", Pouboid (libih))

ALGORITHM

Stepa: start

Step 2: Rade variables

Step 3: Import from module graphics main.

step 4: Read values of variable from keyboard

Proposition do ...

Step 5: Display area and perimeter

steps: call function

Step 7: calculate the values

steps. Display output

stop stop

EXPECTED OUTPUT

Enter the breadth of rectangle 2

area= 10

Perimeter = 14

Enter the radius of circle 6 circle avea = 113.0399 99999 Circle penimeter = 37.68 Enter radius of sphere 7 over of sphere 7 = 6 Penimeter of sphere =1426.026666 enter edge of about 9 Enter length of arband 9 Enter breadth of cuboid 6 Enter height of cubad 4 Area of cubad 4 Perimeter of cuboid - -

OUTPUT .

label to technical experiences and bounded Enter the length of restangle 4 Ente the breadth of rectangle 3 onea=12 depte administration when which Perimeter = 14 Enter radius of circle 6 circle avea = 113. 08999999 ande onea = 37.68 Enter the radius of sphere 3 sophere Avea of sphere = 113.0999 perimeter Associate of sphere = 113.039999 Enter edge of cuboid - 3 Enter length of cuboid 5 tenter breadth of cuboid 8 tisks height of about 9 Area of cuboid 54 perimeter of cuboid 58