

उत्तर प्रदेश राजर्षि टण्डन मुक्त विश्वविद्यालय, इलाहाबाद

अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Computer Fundamental

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-01

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions.
All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Briefly describe what are Special purpose registers and General purpose registers in CPU. Why registers are present in the CPU.
2. I) Explain the following addressing modes with an example and suggest a use for those addressing modes:
 - i. Register Indirect
 - ii. Auto increment
 - iii. Indirect address
 - iv. Base address
 - v. Indexed addressII) Differentiate RISC Vs CISC.
3. What is input-output interface? Draw and explain block diagram of input-output interface.

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each.
Answer all questions. All questions are compulsory.

4. What is the difference between isolated I/O and memory mapped I/O?
5. Discuss and Differentiate Hardware and Micro-programmed control unit.
6. Explain vector processing. What is the difference between vector & array processing?
7. Explain Flynn's classification of computers. Explain how concurrency is implemented in SISD?
8. What is the race around condition? How can it be overcome?
9. Write assembly language program to print the difference of the squares of 15 and 8 with only one multiplications.

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : PC Software Application Skills

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code : UGCS-02

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. You have three jug whose capacity are 8 liter, 5 liter and 3 liter, and no one jug is calibrated then how can you divide 8 liter water in two equal parts.
2. Write down steps to create an excel spreadsheet for your daily expenses.
3. Explain in detail all the option on menu bar and tool bar of internet explorer.

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. What is DNS and how it works?
5. What is the purpose of web browser? What are the privacy and security features being provided by web browsers?
6. Explain the different types of charts available in MS excel.
7. How you can sum up the Rows and Column number quickly in the excel sheet?
8. What is IF function in excel? Explain with an example.
9. What are E-mail, FTP & TELENET? Explain their usage?

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Introduction to System Software

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-03

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

- (a) What is an operating system? List the major Components / modules of a general purpose operating system software.
(b) How is a process different from a program? What information is contained within a process control block (PCB)?
- (a) Explain the page fault handling routine in a computer system employing virtual memory.
(b) What are the necessary conditions for a deadlock to occur in a computer system.
- Explain the difference between compiler and Interpreter. Write the names of two languages for each used the compiler and interpreter.

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

- Explain the following Unix commands:
(a) cp (b) chmod (c) sort (d) vi (e) ls (f) tee.
- Explain the terms: Process Switch and context switch ? How are they related?
- What is a Semaphore? Explain the wait and signal operations of a semaphore. Why are these operations atomic?
- Explain the following Unix command using suitable examples.
(a) pwd (b) man (c) less (d) whoami (e) who (f) grep.
- Explain the page fault handling routine in a computer system employing virtual memory.
- What are the criteria used for comparing various. CPU scheduling algorithms? Differentiate between Preemptive and Nonpreemptive scheduling policies.

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : C- Programming

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-04

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

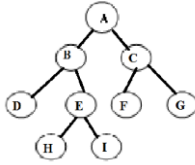
Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Suppose A is a header circular list in memory. Write a program in C which deletes the last node from A.
2. Convert the following infix expression into postfix expression using stack.
 - (i) $(a-b*(f+g * h)) * (d/e-f)$
 - (ii) $(a + b \uparrow d) / (e-f) + g$
3. Obtain the following traversal for the given tree:



- (i) Inorder traversal (ii) Postorder traversal

Section – B

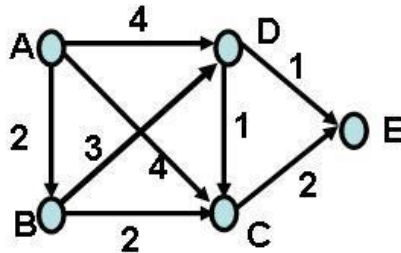
खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Find shortest distance between node A and E using Dijkstra's algorithm



5. Explain Breadth First Search and Depth First Technique in graph?
6. What is hashing?. Explain Division and Mid-square method for hashing.
7. Explain Insertion and bubble sort with the help of example.

8. What is linked list? Write its advantages over sequential representation.
9. Write a C function that accepts an integer as parameter and uses a stack to print all its divisors in descending order.

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2016-2017

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Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Introduction to DBMS

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-06

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. The tourism department wishes to computerize its data. The information consists of monuments of tourist interest, their Region and history. Monuments are classified according to historical, religious and architecture importance. The list of facilities available at each sport is available. These give living accommodation in terms of hotels, their names, category and the number of rooms available and local transport facilities in terms of service provider name, tour with their tariff and timing.
 - (i) Draw an E-R diagram
 - (ii) Transform the E-R diagram to a Relational Schema.
2. How do RDBMS provide ACID properties (atomicity, consistency, isolation, durability)?
3. What are the classifications of schedules based on recoverability? Explain the Relationship and differences among these Schedules?

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Let E1 and E2 be two entities in an E/R diagram with simple single-valued attributes. R1 and R2 are two relationships between E1 and E2, where R1 is one-to-many and R2 is many-to-many. R1 and R2 do not have any attributes of their own. What is the minimum number of tables required to represent this situation in the relational model? Briefly explain how your answer.
5. The relation schema Student_Performance (name, courseNo, rollNo, grade) has the following FDs: name, courseNo->grade
rollNo, courseNo->grade
name->rollNo
rollNo->name
The highest normal form of this relation scheme is?
6. Consider the relation R(A,B,C,D,E,G) with functional dependencies given by {AB->C, AC->B, AD-> E, B->D, BC->A, E-> G}. Consider the decomposition of R into {AB, BC, ABDE, EG}.
 - a) Is this decomposition lossy or lossless? Explain why?
 - b) Is this decomposition is dependency preserving or not? Explain why?

7. Define the following with suitable examples.
 - (i) Entity integrity.
 - (ii) Referential integrity.
8. Explain different type of locking protocols for concurrency control. Which concurrency control protocols ensure both conflict serializability and freedom from deadlock?
9. Check whether the schedule is conflict serializable or not?
S: R3(y); R3(z); R1(x); W1(x); W3(y); W3(z); R2(z); R1(y); W1(Y); R2(y); W2(y)

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Under Graduate Computer Programme

विषय : कम्प्यूटर
Subject : UGCS
कोर्स शीर्षक :
Course Title : Elements of System
Analysis & Design

विषय कोड : यू.जी.सी.एस.
Subject Code : UGCS
कोर्स कोड : यू.जी.सी.एस.
Course Code: UGCS-07

अधिकतम अंक : 30
Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18
Maximum Marks: 18

1. Explain the following:
a) Project b) Project scheduling c) Critical Path
d) Milestones e) Checkpoints f) Project review.
2. What is strategic planning? Relate strategic planning to management control and operational control.
3. With respect to purchasing and inventory control systems explain any three of the following:
a) Why do retail outlets carry inventory b) Inventory carrying cost.
c) Procurement lead time d) Bill of material.

Section – B

खण्ड – ब

अधिकतम अंक : 12
Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Differentiate between decision table and decision tree.
5. What are the attributes of good analyst?
6. Explain the system development life cycle.
7. Distinguish between hierarchical structure and network structure.
8. Define Bench Mark?
9. What is brain storming?

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Discrete Mathematics

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-08

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Consider these statements:

“All hummingbirds are richly colored.”

“No large birds live on honey.”

“Birds that do not live on honey are dull in color.”

“Hummingbirds are small.”

Let $P(x)$, $Q(x)$, $R(x)$, and $S(x)$ be the statements “ x is a hummingbird,” “ x is large,” “ x lives on honey,” and “ x is richly colored,” respectively. Assuming that the domain consists of all birds, express the statements in the argument using quantifiers and $P(x)$, $Q(x)$, $R(x)$, and $S(x)$.

2. (i) How many bit strings of length 10 contain

(a) at most four one's

(b) at least four one's

(c) exactly four one's.

(ii) Determine the number of positive integers n where $15 \leq n \leq 100$ and n is not divisible by 2, 3 or 5.

3. For each of these relations on the set $\{1, 2, 3, 4\}$, decide whether it is reflexive, whether it is symmetric, whether it is antisymmetric, and whether it is transitive.

a) $\{(2, 2), (2, 3), (2, 4), (3, 2), (3, 3), (3, 4)\}$

b) $\{(1, 1), (1, 2), (2, 1), (2, 2), (3, 3), (4, 4)\}$

c) $\{(2, 4), (4, 2)\}$

d) $\{(1, 2), (2, 3), (3, 4)\}$

e) $\{(1, 1), (2, 2), (3, 3), (4, 4)\}$

f) $\{(1, 3), (1, 4), (2, 3), (2, 4), (3, 1), (3, 4)\}$

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

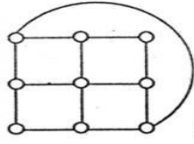
4. Give an example of a connected graph as below:

(1) Eulerian but not Hamilton

(2) Hamilton but not Eulerian

(3) Neither Eulerian nor Hamilton.

5. What is the smallest number of people in a group, so that it is guaranteed that three of them will have their birthday in the same month?
6. Show that $p \leftrightarrow q$ and $\neg p \leftrightarrow \neg q$ are logically equivalent.
7. What is the chromatic number of the following graph?



8. State and prove extended Pigeon hole principle. Using it show that 9 colours are used to paint 100 houses at least 12 houses will be of the same colours.
9. How many positive integers between 1 and 250 that are not divisible by any of the integers 2, 3 and 6?

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Computer Network

विषय कोड : यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-09

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Write short notes on the following: [6]

- Hub
- Repeater
- Switch

2. What do we mean by Multiplexing? Explain the three different types of multiplexing techniques.

3. Explain the OSI reference model with the help of a diagram. Give brief description of each layer of the model.

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Briefly explain the use of Bridges.

5. List the protocols used for host to host communication in the transport layer of TCP/IP model. What are the important differences between these two protocols?

6. Differentiate between multicast addressing and Unicast addressing.

7. What is a parity bit? What is it used for? Explain with example.

8. What do we mean by class addressing and class-less addressing? Give the range of IP addresses used in different classes in class addressing mode.

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अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : TCP/IP Programming

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-10

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

- (a) Why has TCP /IP become a standard protocol for the Internet?
(b) Identify the address classes of the following IP addresses:
(i) 196.201.190.6 (ii) 120.10.10 .77
(iii) 112.196. 112.19 (iv) 150.150.15.15
- What is 3-way handshake mechanism? Also, explain how the mechanism is used for establishing and terminating a TCP connection.
- What are the limitations of IPv4 address classes? How are a large number of IP addresses wasted using IPv4 address classes? What are the possible solutions to the limitations of IP addressing?

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

- Why does lost acknowledgement not necessarily force the retransmission of TCP segment?
- What is the minimum and maximum size of an IP datagram header?
- What are the different types of criteria that can be specified using the Type of service field?
- List the important domain names used in Internet. How does the name resolution take place in DNS? Explain it with the help of a diagram.
- ARP and RARP both map addresses from one space to another. In this respect, they are similar. In what way do they differ? (3)
- Why do we need a DNS system when we can directly use an IP address? What are the three domains of the domain name space? What is the purpose of the inverse domain?

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2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : C ++ and Object
Oriented Programming

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-11

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Discuss in detail the characteristics of an object oriented programming system. [6]
2. Discuss with examples how the two types of polymorphism namely compile time polymorphism and run time polymorphism are achieved in C++. [6]
3. Write a C++ program to read the contents of a file and display it on the screen. [6]

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Explain with the help of an example the difference between multiple and multi-level inheritance.
5. List the characteristics of a constructor
6. What is the use of a friend function? When are its characteristics?
7. What is the difference between UML structural diagram and UML behavioural diagram?

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अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर
Subject : UGCS
कोर्स शीर्षक :
Course Title : Statistical Method

विषय कोड: यू.जी.सी.एस.
Subject Code : UGCS
कोर्स कोड : यू.जी.सी.एस.
Course Code: UGCS-16

अधिकतम अंक : 30
Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18
Maximum Marks: 18

1. Discuss about the Arithmetic mean with its application and merits and demerits. Also prove that the A.M. is not independent of change of origin and scale.
2. Discuss about the Dispersion. Also Define its all measures of Dispersion in detail.
3. Discuss about the co-efficient of variation in the following data find which series has less C.V.

Series A	5	9	12	8
Series B	7	12	19	10
C.I	10-20	20-30	30-40	40-50

Section – B

खण्ड – ब

अधिकतम अंक : 12
Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Discuss about Pie chart and Pictograph.
5. Give short notes on Geograph mean with its merits & Demerits.
6. Discuss about the Histogram and Ogive.
7. State and Prove combined property of the variance.
8. State and prove first property of the mean

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अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Operation Research

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड : यू.जी.सी.एस.

Course Code: UGCS-17

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Discuss about the Linear Programming Also Define the different steps for Graphical solution to LPP.
2. Discuss about the principle of simplex method. Also define non basic variable and artificial variables.
3. Discuss about the different methods for the computation of an initial basic feasible solution.

Section – B

खण्ड – ब

अधिकतम अंक : 12

Maximum Marks: 12

Note: Short Answer Questions. Answer should be given in 200 to 300 words each. Answer all questions. All questions are compulsory.

4. Discuss in brief about the Hungarian method.
5. Discuss about the basic assumption of two person sum- zero game.
6. Write a note on pay off matrix.
7. Describe the graphical method for $2 \times n$ or $m \times 2$ games.

उत्तर प्रदेश राजर्षि टण्डन मुक्त विश्वविद्यालय, इलाहाबाद

अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Diet Therapy

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड :यू.जी.एस.एस .सी

Course Code: UGSSC-04

अधिकतम अंक : 30
Maximum Marks: 30

Section – A

खण्ड - अ

अधिकतम अंक : 18
Maximum Marks: 18

नोट : दीर्घ उत्तरीय प्रश्न । प्रश्नों के अपने उत्तर 800 से 1000 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं ।

Note: Long Answer Questions. Answer should be given in 800 to 1000 words.

Answer all questions. All questions are compulsory.

1. अस्पताल एवं समुदाय में डायटीशियन के महत्व को बताइये। 6
Discuss the role of dietitian in hospital and community what is the principle of diet therapy and plan a diet for a patient suffering from typhoid.
2. उच्चरक्तचाप से आप क्या समझते हैं? उच्चरक्तचाप से पीड़ित एक मरीज के सम्पूर्ण दैनिक आहार तालिका बनाइये। 6
What do you understand by hypertension . Plan a whole day diet for a patient suffering from hypertension.
3. चिकित्सीय आहार की विवेचना कीजिए। आप किस प्रकार एक सामान्य आहार को चिकित्सीय आहार में परिवर्तित करेंगी उदाहरण देकर समझाइये। 6
Describe the importance of therapeutic nutrition. How can you change a normal diet into a therapeutic diet? Explain with example.

Section – B

खण्ड – 'ब'

अधिकतम अंक : 12

Maximum Marks: 12

नोट : लघु उत्तरीय प्रश्न । प्रश्नों के अपने उत्तर 200 से 300 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं।

Note : Short Answer Question. Answer should be given in 200 to 300 words.

All questions are compulsory

4. समुदाय में पोषण शिक्षा की आवश्यकता एवं महत्व को बताइये। 2
Explain the importance and need of nutrition education in the community
5. आहार नियोजन में आर.डी.ए. के महत्व को लिखिए। 2
Write the importance of RDA in diet planning .
6. बी.एम.आर. क्या है? बुखार के समय क्या चयापचयी परिवर्तन होते हैं? 2
What is BMR? What metabolic changes occur during fever.
7. टी.बी.के कारण लक्षण एवं उपचार लिखिए। 2
Write down the causes, symptoms and treatment of tuberculosis.
8. खाद्य संक्रमण क्या होता है? यह किस प्रकार मनुष्य के स्वास्थ्य पर प्रभाव डालता है? 2
What is food contamination . how does it affect the health of person?
9. आहार नियोजन पर एक संक्षिप्त टिप्पणी लिखिए। 2
Write a short note on dietary management .

उत्तर प्रदेश राजर्षि टण्डन मुक्त विश्वविद्यालय, इलाहाबाद

अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Public Health & Hygiene

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड :यू.जी.एस.एस .सी

Course Code: UGSSC-05

अधिकतम अंक : 30
Maximum Marks: 30

Section – A

खण्ड - अ

अधिकतम अंक : 18
Maximum Marks: 18

नोट : दीर्घ उत्तरीय प्रश्न । अपने प्रश्नों के उत्तर 800 से 1000 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं।

Note : Long Answer Question. Answer should be given in 800 to 1000 words.

Answer all question. All questions are compulsory

1. मनुष्य के शरीर में कार्बोज के वर्गीकरण, पाचन, अवशोषण एवं उपयोग को लिखिए।

6

Discribe the classification of digestion, alesorption and assimilation of carbohydrates in human body.

2. आहार नियोजन के सिद्धान्त को लिखिए एक किशोरवास्था कन्या के आहार नियोजन को प्रभावित करने वाले कारकों का उल्लेख करें।

6

Discuss principles of meal planning Explain the factors affecting the meal planning of an adolescent girl.

3. प्रोटीन-वसा कुपोषण से क्या तात्पर्य है? मरास्मय और क्वार्सिवोकर के कारण, लक्षण, बचाव एवं निदान का वर्णन कीजिए।

What is protein- calorie molnattrition discuss causes, symptoms, prevention and treatment of Kwashiorkar and Marasmus in detail.

6

Section – B

खण्ड – 'ब'

अधिकतम अंक : 12

Maximum Marks: 12

नोट : लघु उत्तरीय प्रश्न । प्रश्नों के अपने उत्तर 200 से 300 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं।

Note : Short Answer Question. Answer should be given in 200 to 300 words.

All questions are compulsory

4. शरीर में प्रोटीन के कार्यों का उल्लेख कीजिए।

2

Discuss the fuuetions of proteins in our body.

5. एक धात्रि महिला का आहार आयोजन लिखिए।

2

Write meal plan for a lactating woman .

6. मोटापे से ग्रसित एक व्यक्ति का एक दिन का आहार आयोजन लिखिए।

2

Mention a day's diet for on obese adult.

7. एक परिवार के आहार चुनाव के लिए महत्वपूर्ण कारणों का उल्लेख कीजिए।

2

Mention the factors for food selection for a family.

8. वसा में घुलनशील विटामिनों का नाम लिखिए एवं उनके महत्व को बताइए।

2

Mention fat soluble rtamens ant their impostance

9. भोजन संरक्षण क्या है? सब्जियों के संरक्षण में इसके महत्व को समझाइए।

2

Explain food preseuation and its impostance in presening vegetables .

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अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Energy and Environment

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड :यू.जी.एस.एस .सी

Course Code: UGSSC-10

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

1. Give a systematic account of renewable energy sources and related technologies.
नव्यकरणोय शक्ति संसाधनो एंव संबधित प्रौद्योगिकी का एक कमबद्ध विवरण प्रस्तुत।
2. Discuss the environmental impacts of energy production and its use & misuse.
ऊर्जा उत्पादन और इसके उपयोग और दुरुपयोग के पर्यावरणीय प्रभावों विवेचना कीजिए।
3. Suggest some suitable measures for social control of energy production distribution & consumptions.
ऊर्जा उत्पादन वितरण और उपहभोगो के लिए सामाजिक नियंत्रण हेतु कुछ उपाय सुझावये।

Section – B

खण्ड - ब

अधिकतम अंक : 12

Maximum Marks: 12

नोट : लघु उत्तरीय प्रश्न। अपने प्रश्नों के उत्तर 200 से 300 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं।

Note : Short Answer Questions. Answer should be given in 200 to 300 words. All Questions are compulsory.

- 4 Point out the difference between reasonable & non reasonable sours of energy.
नव्यकरणीय और अन्नव्यकरणीय ऊर्जा श्रोतो में अंतर स्पष्ट कीजिए।
5. What do you mean by nuclear hazards? Explain.
आणविक अपसार से आप समझते हैं ? समझाइये।
- 6 Point out the major cases of global warmap.
भुमण्डलीय ऊष्मन के वृहद कारणो को बताइये।
7. Cloning up is a necessary condition for greening up of the environment. Explain.
हरितपर्यावरण हे सफाई एक आवश्यक शर्त है। समझाइये।
8. Illustrate the meaning of removable energy sources.
स्थानान्तरणीय/अपनयनीय उर्जा स्रोतो का अर्थ सुस्पष्ट कीजिए।
9. Assume the impact of deforestation on mountain economy & its environment.
पर्वतीय अर्थव्यवस्था और उसके पर्यावरण पर निर्वनीकरण के प्रभाव का आकलन कीजिए।

उत्तर प्रदेश राजर्षि टण्डन मुक्त विश्वविद्यालय, इलाहाबाद

अधिन्यास (Assignment)

2016-2017

स्नातक कम्प्यूटर कार्यक्रम

Under Graduate Computer Programme

विषय : कम्प्यूटर

Subject : UGCS

कोर्स शीर्षक :

Course Title : Environment and Development

विषय कोड: यू.जी.सी.एस.

Subject Code : UGCS

कोर्स कोड :यू.जी.एस.एस .सी

Course Code: UGSSC-11

अधिकतम अंक : 30

Maximum Marks: 30

Note. Answer should be given in 800 to 1000 words. Answer all questions. All questions are compulsory.

Section – A

खण्ड - अ

अधिकतम अंक : 18

Maximum Marks: 18

- 1 Define development and mention the necessity of sustainable development.
विकास को परिभाषित कीजिए तथा सम्बन्धीय विकास की आवश्यकता का उल्लेख कीजिए ।
- 2 What do you understand by desertification suggest suitable measures to overcome the problem of desertification.
मरुस्थलीकरण से आप क्या समझते हैं। मरुस्थलीकरण की समस्या से निपटने के उपयुक्त उपाय सुझाईये ।
- 3 Give an account of the major economic challenges in the present context.
वर्तमान संदर्भों में प्रमुख आर्थिक चुनौतियों का विवरण दीजिए ।

Section – B

खण्ड - ब

अधिकतम अंक : 12

Maximum Marks: 12

नोट : लघु उत्तरीय प्रश्न। अपने प्रश्नों के उत्तर 200 से 300 शब्दों में लिखें। सभी प्रश्न अनिवार्य हैं।

Note : Short Answer Questions. Answer should be given in 200 to 300 words. All Questions are compulsory.

- 4 Differentiate between environmental education and environmental ethics.
पर्यावरण शिक्षा एवं पर्यावरण आचार-शास्त्र में विभेद कीजिए ।
- 5 What is national park? Mention any four national park.
नेशनल पार्क क्या है। किनही चार पार्कों उल्लेख कीजिए ।
- 6 Write a note on the structure of the earth.
पृथ्वी की संरचना पर टिप्पणी लिखियें ।
- 7 How has biosphere been formed?
जैवमण्डल कैसे गठन बना है?
- 8 Mention the types of resources.
संसाधन के प्रकार का बताइये ।
- 9 What is meant by demographic transition.
क्या जनसंख्या संक्रमण से तात्पर्य है ।