BCA

Reg No:...................
Name :...................

First Semester FYUGP English Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1AECENG101 (ENHANCING ENGLISH)
(EXAM DATE : 25-11-2024)

Time : 90 min   Maximum Marks : 35

Part A (Answer any 3 questions. Each carries 3 marks)

1. What is interpretive listening?   3

2. Mark the sentences to identify whether these situations require interpretive listening or not.
   - Calling a customer service hotline and navigating through an automated menu to select the desired option.
   - Enjoying a playlist of favourite songs where the focus is on the melody, rhythm, and lyrics rather than interpreting spoken language.
   - Following directions provided by GPS navigation while driving to a destination.
                                                                         3

3. What is stress?   3

4. How does the structure of a presentation impact its effectiveness?   3

Part B (Answer any 2 questions. Each carries 6 marks)

5. What are the main sections of a scientific paper? Explain briefly each section   6

6. Write an article for a scientific journal on the topic carbon emission and environmental pollution   6

7. Prepare a persuasive essay on the topic Gender Discrimination in our society.   6

Part C (Answer any 1 question(s). Each carries 14 marks)

8. - Close-read the passage and answer the following
    The Joy of Helping Others
    There is a special kind of joy that comes from helping others. It's not always about grand gestures or large amounts of money; sometimes, the smallest acts can make the biggest difference. Helping a friend through a tough time, volunteering at a local shelter, or even just lending an ear to someone in need can profoundly impact both the giver and the receiver. The act of helping fosters a sense of community and compassion. It reminds us that we are all connected and that in making a difference in someone else's life, we enrich our own lives as well.

    1.What is the main idea of the passage?
    2.How does the passage describe the joy that comes from helping others?

1

3.What examples of small acts of kindness are mentioned in the passage?

4.According to the passage, how do both the giver and receiver benefit from acts of kindness?

5. According to the author, how does helping others foster a sense of community?

6. What does the passage suggest about the connection between people through acts of kindness?

7.Have you ever experienced the joy of helping someone? How does it compare to what the passage describes?   7

- Read the passage below and make notes using linear method:

Water is one of the most essential resources on Earth. It is necessary for drinking, agriculture, industry, and the environment. However, fresh water is becoming increasingly scarce due to overuse, pollution, and climate change. Many areas of the world are facing water shortages, and millions of people lack access to clean drinking water. To address this issue, it is crucial to practice water conservation in our daily lives. Simple actions like reducing water waste, fixing leaks, using water-efficient appliances, and practicing sustainable farming techniques can significantly help conserve water. Governments and organizations also play a vital role by implementing policies and educating the public about the importance of saving water. As populations grow and climate change continues, it will be more important than ever to protect and conserve our water resources for future generations.   7

9.   - Read the passage given below and answer the questions that follow:

The choices we make on a daily basis—wearing a seatbelt, lifting heavy objects correctly or purposely staying out of any dangerous situation—can either ensure our safety or bring about potentially harmful circumstances. You and I need to make a decision that we are going to get our lives in order. Exercising self-control, self-discipline and establishing boundaries and borders in our

lives are some of the most important things we can do. A life without discipline is one that's filled with carelessness. We can think it's kind of exciting to live life on the edge. We like the image of "Yeah! That's me! Living on the edge! Woo-hoo!" It's become a popular way to look at life. But if you see, even highways have lines, which provide margins for our safety while we're driving. If we go over one side, we'll go into the ditch. If we cross over the line in the middle, we could get killed. And we like those lines because they help to keep us safe. Sometimes we don't even realize how lines help to keep us safe. I'm not proud of this, but for the first 20 years of my life at work, I ignored my limits. I felt horrible, physically, most of the time. I used to tell myself "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." I ran to doctors, trying to make myself feel better through pills, vitamins, natural stuff and anything I could get my hands on. Some of the doctors would tell me, "It's just stress." That just made me mad. I thought stress meant you don't like what you do or can't handle life, and I love what I do. But I kept pushing myself, travelling, doing speaking engagements and so on— simply exhausting myself Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle. You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologize for it. We're not all alike

and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure.

1) Why has living on the edge become popular?

2) Through what example does the author explain the importance of discipline and boundaries in our lives?

3) What is the message conveyed in the last paragraph of the passage?

4) What does the author mean when he says, "to get our lives in order"?

5) What is the writer intending to do through this write-up?

6) What does the phrase "potentially harmful circumstances" refer to?

7

- Read the following passage and answer the questions that follow:

Alternative Fuel

At a time when the use of fossil fuels to power vehicles is making environmentalists angry, an alternative source of fuel-the bio-diesel-has emerged as a useful solution. Additionally, its use solves a disposal problem. The fuel is nothing but vegetable oil which has been tested satisfactorily. It has made a vehicle called the Veggie Van (a motor home) run more than 16,000 km across the United States. Also it has visited 20 major cities causing absolutely no harm to the environment. Vegetable oil from various restaurants in America was all that was used along the entire journey. The novel experiment was started as a college project by two students Joshna and Kaia. It eventually ended in a massive public awareness programme.

The idea of using vegetable oil as a fuel for a diesel engine first occurred to them when they visited a traditional farm in the picturesque southern Germany where vehicles fuelled by vegetable oil were in use. While studying agriculture and living on these farms they noticed that farmers. were always filling tanks of yellow liquid. "This fuel comes from the canola plants which grow on our farms and nearby areas. We put in diesel and it smells good" farmers said.

The process of converting vegetable oil into bio-diesel fuel is cheap and easy to find. Any vegetable oil such as used cooking oil, methanol or clear alcohol can be used as fuel. The diesel engine which is being used, however, can run on altered vegetable oil or bio-diesel without any modification. Not only does bio-diesel require zero modifications to the engine, this fuel works either by itself or blended with petroleum diesel. Bio-diesel has since been recognised as an official alternative fuel in the US. Its use by the bus and truck fleet has soared by more than 1000 per cent.

Give short answers to all the following questions.

a) Which is the alternative fuel suggested in the passage?

b) What is the name given to the vehicle that first used this fuel?

c) How is the alternative fuel made?

d) In which country did the idea of the alternative fuel originate?

e) Which all are the vegetable oils being used as fuel?

Attempt any one of the following questions in two or three sentences

f) What are the advantages of alternative fuel over petroleum diesel?

g) In what way did the college project end up as a massive public awareness programme?

7

First Semester FYUGP Hindi Examination
November 2024 (2024 Admission onwards)
KU1AECHIN101 (KAHANI AUR RACHANA)
(EXAM DATE : 27-11-2024)

Time : 90 min   Maximum Marks : 35

Part A (Answer any 3 questions. Each carries 3 marks)

1. प्रोफेसर की नई पड़ोसन की क्या खासियत है?   3

2. जदीश बाबू को दाज्यू कहकर मदन संबोधित क्यों करता है ?   3

3. सविता अपने कंधे पर बैठी चिड़िया को क्या करती है?   3

4. खिलौने वाले के आने पर बच्चों की प्रतिक्रिया का वर्णन कीजिए ।   3

Part B (Answer any 2 questions. Each carries 6 marks)

5. खितीन बाबू के व्यक्तित्व का परिचय दीजिए ।   6

6. 'अभाव' कहानी के पात्रों का संक्षिप्त परिचय दीजिए ।   6

7. सबके लिए सुविधाएं इकट्ठा करने वाले पिता स्वयं उनमें शामिल नहीं होते हैं– अपना मत व्यक्त कीजिए।
                                                                6

Part C (Answer any 1 question(s). Each carries 14 marks)

8. (a) निराशा भरे जीवन में आशा का संचार जरूर होना चाहिए – 'मिठाईवाला' कहानी के आधार पर समर्थन कीजिए।   7

   (b) 'मिठाईवाला' कहानी की आलोचना कीजिए।   7

9. (a) 'मेहमान' कहानी में मध्यवर्गीय आदमी के मानसिक द्वन्द्व को किस तरह प्रस्तुत किया गया है? 7

   (b) 'दाज्यू' कहानी की समस्याएं व्यक्त कीजिए।   7

First Semester FYUGP Malayalam Examination
November 2024 (2024 Admission onwards)
KU1AECMAL101 (RACHANAYUM SAHITHYAPADANAVUM)
(EXAM DATE : 27-11-2024)

Time : 90 min   Maximum Marks : 35

Part A (Answer any 3 questions. Each carries 3 marks)

1. സ്ക്കൂളിൽ പോകുന്ന ഉണ്ണി വിശപ്പിനെ മറികടക്കാൻ കണ്ടെത്തുന്ന മാർഗങ്ങൾ എന്തെല്ലാമാണ്? 3

2. "മറ്റെന്തുള്ള മഹിഷിക്കധികാരം" ! ആരുടെ വാക്കുകൾ 3

3. എൻ. പ്രഭാകരൻ തന്റെ ബ്ലോഗിന് ഇറ്റിറ്റിപ്പള്ള് എന്ന പേര് നൽകാൻ കാരണമെന്ത്? 3

4. ആശയവിപുലനം ചെയ്യുക

   സ്നേഹമാണഖിലസാരമൂഴിയിൽ 3

Part B (Answer any 2 questions. Each carries 6 marks)

5. ആദ്യകാല കഥകളുടെ സ്വഭാവസവിശേഷതകൾ വിശദീകരിക്കുക 6

6. സമുദ്രാന്തർഭാഗത്ത് കണ്ട ദ്വാരകയുടെ അവശിഷ്ടങ്ങളെപ്പറ്റി കഥാകൃത്ത് വിവരിക്കുന്നതെങ്ങനെ? 6

7. ഇംഗനാഥിലേക്കുള്ള യാത്രയിൽ ഓരോ തട്ടിലേക്കുമുള്ള കയറ്റം വ്യത്യസ്തങ്ങളായ അനുഭവങ്ങളായി മാറ്റുന്നത് എങ്ങനെയെന്ന് കണ്ടെത്തുക 6

Part C (Answer any 1 question(s). Each carries 14 marks)

8. ഉപന്യാസം തയ്യാറാക്കുക:വികസനവും പരിസ്ഥിതിയും 14

9. പകരം വെക്കാനില്ലാത്ത ഒന്നായി അമ്മ മാറുന്നതെങ്ങനെയാണ് ആശ്വാസം എന്ന കവിതയിൽ കവി അവതരിപ്പിച്ചിരിക്കുന്നത് എന്ന് കണ്ടെത്തുക. 14

1

First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCCAP101 (FOUNDATIONS OF COMPUTERS AND PROGRAMMING)
(DATE OF EXAM: 2-12-2024)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. What is register? Why it is known as working memory of CPU?   2

2. What is the difference between ASCII and EBCDIC codes?   2

3. Convert the binary number 10101101 to Gray code and explain the steps involved.
                                                                          2

4. Write any 6 boolean laws.   2

5. What are the different header files used in C language   2

6. What is the difference between assignment and equality operators?   2

7. Write the rules of making identifiers.   2

8. Differentiate between 'break' and 'continue' statements.   2

Part B (Answer any 4 questions. Each carries 6 marks)

9. OS is a resource manager. Justify the statement.   6

10. Explain the concept of 2's complement representation and its role in signed arithmetic   6

11. Draw the logic circuit for the Boolean expression $AB + \overline{A} B$ using basic gates.   6

12. Explain precedence and associativity.   6

13. Define an operator in C. What are increment and decrement operators? Predict the output of the following code. Justify your answer.

```
int x = 4, y, z;
y = --x;
z = x--;
printf("%d\t%d\t%d", x, y, z);
```
                                                                          6

14. Explain the working principle of switch statement with example?   6

   Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Write a C program that accepts a positive integer and prints out the sum of
       the digits of this number.   7

   (b) Write a C program to find average marks obtained by a class of 50 students
       in a test.   7

16. (a) Explain the Types of computer network?   7

   (b) Explain Von Neumann Model with a neat diagram?   7

First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCCSC104 (OFFICE AUTOMATION SOFTWARE)
(DATE OF EXAM: 6-12-2024)

Time : 90 min   Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. What is the first step in getting started with the Word interface?   2

2. Define a table in a document and describe its basic components.?   2

3. Define a cell, row, and column in a spreadsheet .?   2

4. What is use of the COUNT function?   2

5. Identify two methods of sharing a spreadsheet with others.?   2

6. What is the difference between the TODAY() and NOW() functions?   2

7. What is a macro in a spreadsheet, and what is its primary function?   2

8. Define PivotTables and state one use case.?   2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Explain the steps to create and save a new document in a word processor.?   6

10. How can images be inserted and format within a document?   6

11. Compare and contrast the use of rows and columns for organizing tabular data in a spreadsheet. When might it be more appropriate to use a column for data instead of a row?   6

12. Explain the necessary steps to adjust print settings (such as setting page orientation and margins) to ensure a spreadsheet prints clearly and legibly on one page.?   6

13. Analyze how the DATE function can be used to standardize date entry across a dataset. Provide an example where this might be useful.?   6

14. Analyze how multiplying and dividing cells containing quantities and prices can help in inventory management. Provide an example calculation.?   6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Discuss the various text formatting and editing tools available in word processing, such as bullets and numbering, paragraph indentation, font color, and line spacing. Provide examples.?   14

16. Explain how the usage of tables and images increase the readability of the document.   14

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First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCCAP103 (ESSENTIAL IT TOOLS)
(DATE OF EXAM: 4-12-2024)

Time : 90 min   Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. What is Information Technology (IT) and what are its primary components?   2

2. What are the basic functions of text selection in document editing?   2

3. How does adding links to external resources enhance the reader's experience?   2

4. How do you insert an image into a Google Doc?   2

5. How can you sort and filter data in Excel?   2

6. What is a cell address in a spreadsheet, and how is it determined?   2

7. What are PivotTables, and how do they assist in data analysis?   2

8. Describe the process of inserting and editing text on slides. What formatting options are commonly available?   2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Discuss the process of collaborative document editing in Google Drive and its benefits.   6

10. Discuss how you would use tables to present data effectively, including considerations for cell alignment and shading.   6

11. Propose a method for using Google Docs' real-time collaboration features to manage a time-sensitive project with team members across different time zones. How would you ensure efficient collaboration and communication?   6

12. Analyze the differences between Google Sheets and Microsoft Excel in terms of their features for data analysis. In what situations might one be preferred over the other?   6

13. Propose a creative way to incorporate visual elements such as conditional formatting or color coding alongside your charts and graphs to enhance the visual appeal and clarity of the data presentation.   6

14. Suppose you are preparing a group project presentation, and each member is responsible for a different section. Propose a strategy for collaborating on inserting and editing text on slides to ensure consistency in design and messaging across the entire presentation.   6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Outline the steps for setting up a PivotTable in Excel.   7

    (b) Create a step-by-step guide for analyzing data using charts in Excel.   7

16. (a) Explain the benefits of using Google Drive for file management.   7

    (b) Develop a user manual for navigating the Google interface and utilising key features of Google Workspace.   7

First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1MDCCAP101 (BASICS OF IT FOR ALL)
(DATE OF EXAM: 29-11-2024)

Time : 90 min   Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Explain the difference between hardware and software with their definition and uses .   2

2. What is assembly language?   2

3. Define flow chart . Explain flowcharting symbols   2

4. Define network topology . Explain any two topologies.   2

5. What are the various components of security policy?   2

6. Define cryptanalysis   2

7. List the applications of AI?   2

8. With an example write unsupervised learning   2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Explain about the third generation of computers .   6

10. Name two object oriented languages. Explain the characteristics   6

11. Draw a flowchart to add two numbers   6

12. Write short notes on :
    a) LAN b) WLAN c) WiFi d)Ethernet   6

13. Firewall prevents unauthorised access to the computer system. Explain   6

14. Write different types of learning   6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Discuss the basic organization of a computer system and explain the function of various units of a computer system   7

    (b) Define operating system. Explain the functions of operating system   7

16. (a) What is computer network ? Explain various hardware and software components used in it   7

    (b) Compare ISO-OSI, TCP/IP model   7