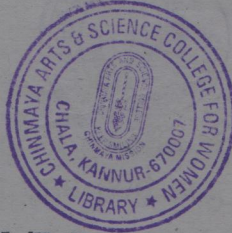
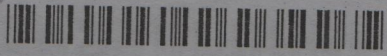


0136951



K19U 3343

Reg. No. : .....

Name : .....

I Semester B.A/B.Sc./B.COM./B.B.A./B.B.A.(TTM)/B.B.A(RTM)/B.T.T.M/  
B.C.A/B.S.W/B.Sc(LRP)/B.A. AFZAL -UL-ULAMA Degree CBCSS  
(OBE) - Regular Examination, November -2019

(2019 ADMISSION)

COMMON COURSE IN ENGLISH

1A 01 ENG : COMMUNICATIVE ENGLISH

Time : 3 Hours

Max. Marks : 40

I. 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 used 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

P.T.O

K19U 3343



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. (5×1=5)

- 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 **two** of the following questions in **two** or three sentences

(2×2=4)

- f) What are the advantages of alternative fuel over the petroleum diesel?
- g) How was the alternate fuel made?
- h) In what way did the college project end up as a massive public awareness programme ?

II. The following is a report on Child Labour taken from the website of the Ministry of Labour & Employment, Government of India. Read the passage and answer the questions that follow:

The problem of child labour continues to pose a challenge before the nation. Government has been taking various pro-active measures to tackle this problem. However, considering the magnitude and extent of the problem and that it is essentially a socio-economic problem inextricably linked to poverty and illiteracy, it requires concerted efforts from all sections of the society to make a dent in the problem.

According to the Census 2001 figures there are 1.26 crore working children in the age group of 5-14 as compared to the total child population of 25.2 crore, As per survey conducted by National Sample Survey Organisation (NSSO) in 2004-05, the number of working children is estimated at 90.75 lakh. As per Census 2011, the number of working children in the age group of 5-14 years has further reduced to 43.53 lakh. It shows that the efforts of the Government have borne the desired fruits.

Way back in 1979, Government formed the first committee called Gurupadswamy Committee to study the issue of child labour and to suggest measures to tackle it. The Committee examined the problem in detail and made some far-reaching recommendations. It observed that as long as poverty continued, it would be difficult to totally eliminate child labour and hence, any attempt to abolish it through legal recourse



K19U 3343

would not be a practical proposition. The Committee felt that in the circumstances, the only alternative left was to ban child labour in hazardous areas and to regulate and ameliorate the conditions of work in other areas. It recommended that a multiple policy approach was required in dealing with the problems of working children.

Based on the recommendations of Gurupadaswamy Committee, the Child Labour (Prohibition & Regulation) Act was enacted in 1986. As per the Act, employment of children was prohibited in certain specified hazardous occupations and processes and regulates the working conditions in others. The list of hazardous occupations and processes is progressively being expanded on the recommendation of Child labour Technical Advisory Committee constituted under the Act. Subsequently the act was amended in 2016 with the enactment of the Child Labour (Prohibition & Regulation) Amendment Act 2016 prohibiting the employment of children below 14 Years in all employment and also with the provisions for prohibition on employment of adolescents (14-18 years) in the scheduled hazardous occupations and processes.

Give short answers to all the following questions. (5x1=5)

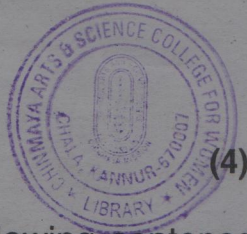
- a) Name two reasons of child labour as mentioned in the passage.
- b) Which was the first committee formed by the Government to tackle the issues of child labour?
- c) What observation was made by the committee?
- d) What did the Child Labour Act, 1986 aim at ?
- e) Find a word from the passage which means 'improve'.

III. Answer any **fourteen** of the following: (14x1=14)

- a) Correct the following sentence:  
Italy is an European Country.
- b) Use the appropriate modal from the given options and complete the sentence:  
Anything will/can/should happen when the mob is furious.  
(Possibility)
- c) Convert the following sentence to a question using the appropriate modal:  
We go to college tomorrow.
- d) Complete the table with the correct forms of the verbs:

Present Tense	Present Participle	Past Tense	Past Participle
Sing			

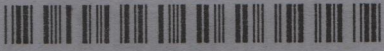
K19U 3343



- e) Correct the following sentence:  
Balu, Suresh and David has come.
- f) Convert the following sentence into a yes/no question without changing the tense:  
We shall register our names for the competition.
- g) Convert the following sentence into passive voice:  
He helped me.
- h) Correct the following sentence:  
Ten rupees are just enough for the bus fare.
- i) Fill up the sentence using the appropriate word.  
A pair of shoes are/is very expensive now a days.
- j) Convert the following sentence into reported speech:  
The owner said to the servant, "Open the door".
- k) Convert the following sentence into reported speech:  
Raju said, "Do you enjoy cricket?"
- l) Add an appropriate question tag for the following sentence:  
She has no money,
- m) Add an appropriate question tag for the following sentence:  
The Prime Minister visited Kumarakom,
- n) Select a synonym for the word 'crying' from the following:  
Blushing, defending, weeping, arguing
- o) Select the appropriate antonym for the word 'immortal' from the following:  
Perennial, Perpetual, evergreen, deadly
- p) What are the two different meanings of the word 'break'?
- q) Identify the idiom in the following sentence. What does it mean?  
Sachin Tendulkar is a past master in batting.
- IV. Answer any **one** of the following topics in not more than **two** pages:  
(1×6=6)
- a) Write an essay on "Fast Food and Human Health".
- b) Write an essay on "Mobile Phone: Uses and Abuses"
- V. Answer any **one** of the following topics in not more than **two** pages:  
(1×6=6)
- a) Write a letter to the editor of "The Indian Express" on the topic "Bad roads in your locality".
- b) Prepare a cover letter and a resume for the post of Junior scientist in the Spices Board of India.



K19U 3344



Reg. No. : .....

Name : .....

I Semester B.A./B.Sc./B.Com/B.B.A./B.B.A(T.T.M)/BBA(RTM)B.T.T.M/  
/B.C.A/B.S.W/B.Sc(LRP) Degree CBCSS (OBE) -

Regular Examination, November - 2019

(2019 Admission)

COMMON COURSE IN ENGLISH

1A 02 ENG: READINGS ON KERALA

Time : 3 Hours

Max. Marks : 40

1. Write an essay (200-250 words) on any one of the following(1x8=8)

- How does Sahodaran Ayyappan's poem "Curing Caste" criticise casteism?
- What salient features of life under the matrilineal system do we understand from the autobiographical sketch of Cherukad?

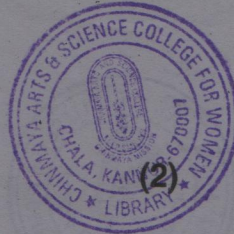
2. Write an essay (200-250 words) on any one of the following(1x8=8)

- Edasseri Govindan Nair's poem "The Kuttippuram Bridge" describes the dilemma faced by the poet confronted by the merits and demerits of kerala's modernization. Explain.
- "The Vaikom Satyagraha is a good example of the mutual relationship between the local and the national movements during the liberation struggle." Explain.

3. Write paragraph length answers (80-100 words) on any two of the following: (2x4=8)

- What are the salient features of Sree Narayana Guru's concept of Sivagiri pilgrimage?
- Describe the parallel tradition of education that existed in Kurumbranad.
- What are the reasons cited for the need of writing and presenting a play about vidwan P. Kelu Nair?

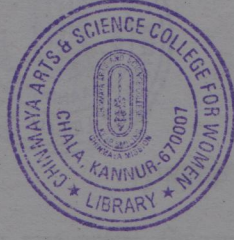
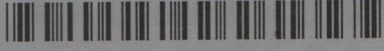
P.T.O.



K19U3344



4. Write paragraph length answers (80-100 words) on any two of the following: (2x4=8)
- How does Poykayil Appachan bring in the idea of God in his poem "About My Race: A Song"?
  - How did Ayisha and her family survive the tough times?
  - What are Yesudas's contributions towards building a secular atmosphere in Kerala?
5. Write Short answers (one or two sentences) on any four of the following: (4x1=4)
- What is Sree Narayana Guru's suggestion regarding the appropriate time for Sivagiri pilgrimage?
  - What is the power gained by those who are cured of the caste disease?
  - What did the Antharjanam want from Eri?
  - What, for Kelu, is the significance of Art?
  - What was the question that everyone frequently asked Cherukad's Kunjammaman?
6. Write Short answers (one or two sentences) on any four of the following: (4x1=4)
- What does the phrase "cursed progeny" in the poem "About my Race: A Song" indicate?
  - "Level with the kingfisher, the sparrow and the crane that once flew over here." What is the irony in these lines?
  - How does Ayisha recollect her father's interest in arts?
  - What were the humiliating treatments practiced in the name of caste?
  - Why does Yesudas avoid recording movie songs during the December-January period?



K19U 3350

Reg. No. : .....

Name : .....

I Semester BCA/BSW/B.Sc. LRP Degree (CBCSS (OBE) - Regular)  
Examination, November 2019

(2019 Admissions)

ADDITIONAL COMMON COURSE IN HINDI

1A07-2 HIN : NAYA SAHITHYA

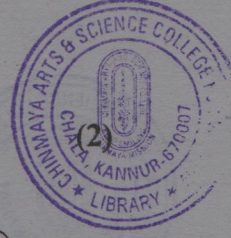
Time : 3 Hours

Max. Marks : 40

- I. किसी एक प्रश्न का उत्तर 300 शब्दों में लिखिए। (1 × 7 = 7)
1. प्रोफेसर शशांक के व्यक्तित्व की विशेषताओं को रेखांकित कीजिए।
  2. हज़ारी प्रसाद द्विवेदी को पक्षियों के संबन्ध में अपने विचार क्यों बदलने पड़े?
- II. किसी एक प्रश्न का उत्तर 300 शब्दों में लिखिए। (1 × 7 = 7)
3. 'स्त्री' कविता का सारांश लिखकर अपना विचार व्यक्त कीजिए।
  4. 'चंपा काले काले अच्छर नहीं चिह्नती' कविता का भावार्थ लिखिए।
- III. किन्हीं तीन प्रश्नों के उत्तर लगभग 125 शब्दों में लिखिए। (3 × 3 = 9)
5. ईर्ष्या से बचने का उपाय क्या है?
  6. व्यासजी और आज के लेखक में क्या अंतर हैं?
  7. कवि से चंपा क्या-क्या कहती हैं?
  8. 'साँप' कविता की प्रतीकात्मकता पर विचार कीजिए।

P.T.O.

K19U 3350



IV. किन्हीं तीन की सप्रसंग व्याख्या कीजिए।

(3 × 3 = 9)

9. यद्यपि उस महाभारत के बाद भी अनेक युद्ध लड़े गये, परिवारों में झगड़े हुए और षडयंत्र रचे गए, नया महाभारत नहीं रचा गया।
10. उन्नति तो उसकी तभी होगी जब वह अपने चरित्र को निर्मल बनाए तथा गुणों का विकास करें।
11. उसे बड़ा अचरज होता है  
इन काले चिट्ठों से कैसे ये सब स्वर  
निकला करते हैं।
12. सूरज पर कभी भी कविता लिख दूँगा।  
माँ पर नहीं लिख सकता कविता।

V. किन्हीं आठ प्रश्नों के उत्तर एक या दो वाक्यों में लिखिए।

(8 × 1 = 8)

13. निबंध शब्द का अर्थ लिखिए।
14. लोग दूसरों की निन्दा क्यों करते हैं?
15. अगर आज के जमाने में कर्ण से कोई कवच, कुंडल माँगने जाता तो वह क्या कहता?
16. रवीन्द्रनाथ का कुत्ता प्रतिदिन उनके पास क्यों बैठा रहता था?
17. विष्णुकांत शास्त्री के अनुसार आज शक्तिशाली कौन हो सकता है?
18. आज्ञेय को किस कृति के लिए साहित्य अकादमी पुरस्कार प्राप्त हुआ?
19. नटखट चंपा क्या-क्या करती है?
20. स्त्री अपनी कोशिश में क्यों हार जाती है?
21. शेर को किससे फर्क नहीं पड़ता?
22. पशु-पक्षियों से गुरुदेव का संबंध कैसा था?





K19U 3356

Reg. No. : .....

Name : .....

I Semester B.C.A./B.S.W./B.Sc./LRP Degree (CBCSS - (OBE) Regular) Examination, November - 2019 (2019 Admission)

ADDITIONAL COMMON COURSE IN MALAYALAM

1A07-2 MAL : സാഹിത്യഗണങ്ങൾ

സമയം : 3 മണിക്കൂർ

മാർക്ക് : 40

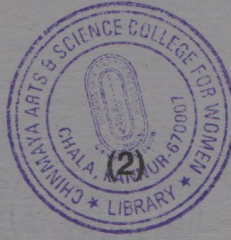
I. 4 ചോദ്യങ്ങളിൽ നിന്ന് രണ്ടെണ്ണത്തിന് 300 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. (2x7=14)

- 1. ജി. ശങ്കരക്കുറുപ്പിന്റെ കവിതകളുടെ പൊതുസവിശേഷതകൾ വിവരിച്ച് 'സൂര്യകാന്തി' എന്ന കവിതയ്ക്കൊരു ആസ്വാദനം തയ്യാറാക്കുക.
2. 'പൊന്തൻമാട' എന്ന സിനിമയുടെ ദൃശ്യഭാഷാ സവിശേഷതകൾ വിവരിക്കുക.
3. 'ഒരു സ്വാദ് നോട്ടക്കാരന്റെ ഭക്ഷണ പര്യവേഷണങ്ങൾ' എന്ന നോവലിന്റെ സമകാലീന പ്രസക്തി വിശദമാക്കുക.
4. ചുള്ളിക്കാടിന്റെ വാക്യതീക്ഷണതയുള്ള കവിതകളെക്കാൾ ധ്വനി സാന്ദ്രതയേറിയവയാണ് വൈലോപ്പിള്ളിക്കവിതകളെന്ന് കൽപ്പന നാരായണൻ സമർത്ഥിക്കുന്നതെങ്ങനെ?

II. 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് 150 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. (4x3=12)

- 5. വൈലോപ്പിള്ളിയുടെ കാവ്യസപര്യക്കുള്ള പ്രണാമമാണ് 'ഇവനെക്കൂടി' എന്ന കവിത. സമർത്ഥിക്കുക.
6. 'ഹിംസാടനം' എന്ന നാടകത്തിലെ രാകേഷ് എന്ന കഥാപാത്രത്തിന്റെ സ്വഭാവം നിരൂപണം ചെയ്യുക.
7. ഉത്തരാധുനിക നോവലുകളുടെ സ്വഭാവം ചുരുക്കി വിവരിക്കുക.
8. പന്തിഭോജനം വിപ്ലവമായ കേരളത്തിൽ പങ്കുകൾ പരാജയപ്പെടുന്നതിന് കാരണമായ ജാതിവിവേചനം നിലനിൽക്കുന്നത് നോവലിൽ ആവിഷ്കരിക്കുന്നതെങ്ങനെ?

P.T.O.

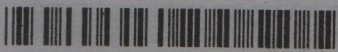


K19U 3356



9. ആത്മപ്രശംസ ഇഷ്ടമല്ലാത്ത വൈലോപ്പിള്ളിയുടെ കാവ്യജീവിതം ബാഹുക ജന്മത്തിന്റെ മഹത്വമുള്ളതാണെന്ന് പറയുവാൻ കാരണമെന്ത്?
  10. ബഷീറിലെ ആക്ടിവിസ്റ്റിനെ കുറിച്ച് എം. എ റഹ്മാന്റെ നിരീക്ഷണങ്ങൾ ക്രോഡീകരിക്കുക.
- III. 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് 100 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. **(4×2=8)**
11. 'പരനിന്ദവിശുന്ന് വാളിനാൽ ചൂളിപ്പോകാ-  
പരകോടിയിൽ ചെന്ന പാവനദിവ്യസന്ദേഹം'- ആശയം വ്യക്തമാക്കുക.
  12. 'ഇത്തറവാടിത്ത ഘോഷണത്തെപ്പോലെ  
വൃത്തികെട്ടിട്ടില്ല മറ്റൊന്നുമുഴിയിൽ' ഇങ്ങനെ പറയാൻ കവിയെ പ്രേരിപ്പിച്ച അനുഭവമെന്ത്?
  13. 'കിളിയൊച്ചകളോ തണലോ ഇല്ലാത്ത നാട്ടുവഴിയിലൂടെ അവൾ ഒറ്റക്കു നടക്കുന്നു. ഉള്ളിലെ ചൂടിൽ വെയിൽ ഉഷ്ണമഴയായി പെയ്യുന്നു' ഈ ആത്മഭാഷണത്തിന് 'ഹിംസാടനം' എന്ന നാടകത്തിലെ പ്രസക്തിയെന്ത്?
  14. കൊച്ചുമ്മച്ചന്റെ പങ്ക് കശാപ്പ് തകർക്കപ്പെട്ടതെങ്ങനെ?
  15. 'പ്രേമലേഖനം' എന്ന നോവലിന്റെ പ്രമേയമെന്ത്?
  16. കൊച്ചുമ്മച്ചൻ പുലർകാലത്ത് കണ്ട സ്വപ്നമെന്ത്?
- IV. 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് ചെറുകുറിപ്പുകൾ തയ്യാറാക്കുക. **(4×1½=6)**
17. 'കറുത്തച്ചെട്ടിച്ചികൾ' എന്ന ശീർഷകത്തിന്റെ അർത്ഥതലങ്ങൾ എന്തെല്ലാം?
  18. 'പൊന്തൻമാട' എന്ന സിനിമയുടെ പ്രമേയമെന്ത്?
  19. പഞ്ചായത്തിന്റെ നടപടിയിൽ നിന്ന് കൊച്ചുമ്മച്ചൻ രക്ഷപ്പെട്ടതെങ്ങനെ?
  20. മദാരി പ്രസ്ഥാനം എന്താണ്?
  21. 'മറ്റൊരുവിധമായിരുന്നെങ്കിൽ' എന്ന ലേഖനത്തിൽ പരാമർശിക്കുന്ന കവികളും കവിതകളും ഏതൊക്കെയാണ്?
  22. ചേറൂർ പടപ്പാട്ടിനെ കുറിച്ച് കുറിപ്പെഴുതുക.

0095264



K19U 3303

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree CBCSS (OBE)-REGULAR Examination,  
November -2019

(2019 ADMISSION)

COMPLEMENTARY ELECTIVE COURSE IN BIOCHEMISTRY

1 C 01 BCH : Biochemistry - I

Time : 3 Hours

Max. Marks : 32

**Section - A**

Answer **All** questions. Each question carries **1** mark (5 × 1 = 5)

1. What is colloidal solution ?
2. The epimer of mannose is .....
3. Rickets in infants is caused by the deficiency of .....
4. Name the carbohydrate present in Honey.
5. The long unbranched chain of glucose indigestible to man is .....

**Section - B**

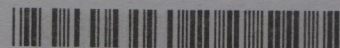
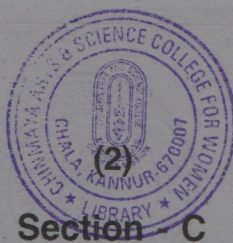
Answer any **four** of the following. Each question carries **2** marks

(4 × 2 = 8)

6. Which vitamin deficiency causes Beriberi ?
7. Define pH scale.
8. Give the physiological functions of vitamin A.
9. What is molarity ?
10. Draw the structure of Isomaltose and Maltose.
11. What are the main biological functions of water ?

P.T.O

K19U 3303



**Section - C**

Answer any **three** of the following. Each question carries **3** marks.

**(3 × 3 = 9)**

12. Compare true solution with colloidal solution.
13. Draw and explain DL isomers.
14. Derive Henderson Hassel balch equation?
15. Define anomeric sugars with an example.
16. Explain the source, deficiency disease and function of Vitamin D.

**Section - D**

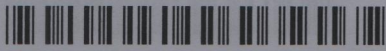
Write an essay on any **two** of the following. Each question carries **5** Marks.

**(2 × 5 = 10)**

17. Name the source, chemical nature, deficiency disease and functions of Vit B.
  18. Explain about heteropolysaccharides with examples.
  19. Importance and scope of Biochemistry in medicine and agriculture.
  20. Explain about biological buffer.
-



K19U 3305



Reg. No. : .....

Name : .....

**I Semester B.Sc. Degree (CBCSS(OBE) - Regular)**

**Examination, November - 2019**

**(2019 Admission)**

**CORE COURSE IN BIOTECHNOLOGY**

**1B01BTC : CELL BIOLOGY**

Time : 3 Hours

Max. Marks : 40

**PART - A**

Write about each of the following in **2 or 3** sentences. Each question carries **1** mark. **(6×1=6)**

1. PPLO
2. Functions of rough endoplasmic reticulum
3. Chromatids
4. Holiday structure.
5. Polytene chromosome
6. Phagolysosome

**PART - B**

Explain about any **Six** of the following. Each question carries **2** marks. **(6×2=12)**

7. Cell theory
8. Structure of prokaryotic ribosomes .
9. Nucleolus
10. Nuclear pore complex
11. Peroxisomes
12. Difference between symport and antiport
13. Normal functions of programmed cell death.
14. Fluid mosaic model of plasma membrane

P.T.O.

K19U 3305



Write short essay on **any Four** of the following. Each question carries **3** marks. **(4×3=12)**

15. Origin of life on earth
16. Body organization in multi-cellular higher organisms
17. Distinguish between plant cell wall and bacterial cell wall
18. Cytoplasmic matrix
19. Role of ER and Golgi complex in post translational modification and transport of protein
20. Structural organization and functions of mitochondria

**PART - D**

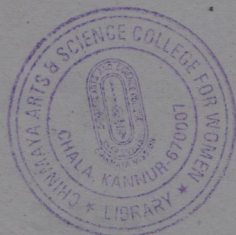
Write essay on **any two** of the following. Each question carries **5** marks. **(2×5=10)**

21. Cytoskeletal systems that help the cell to maintain rigidity, contraction movement and transportation processes.
22. Organizational structure of chromatin.
23. Discuss the different stages of mitosis.
24. Elaborate different types of cellular locomotion of pro and eukaryotes and the organelles involved in the process



Reg. No. : .....

Name : .....



K19U 3328

I Semester B.Sc. Degree (CBCSS (OBE)-Regular)

Examination, November - 2019

(2019 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN MICROBIOLOGY

1C01 MCB: BASIC MICROBIOLOGY-I

Time : 3 Hours

Max. Marks : 32

**PART - A**

Write about each of the following in 2 or 3 sentences. Each carries 1 marks. (5x1=5)

1. Live attenuated vaccines
2. Endospore staining
3. Peptidoglycan
4. Uptake of water by Imbibition
5. Gaseous sterilization agents

**PART-B**

Explain about any **Four** of the following. Each carries 2 marks. (4x2=8)

6. Scanning electron microscope.
7. Ionizing radiations for sterilization.
8. Group translocation reactions.
9. Lacto-phenol cotton blue.
10. Numerical aperture of microscope.

P.T.O.

K19U 3328



**PART-C**

Write short essay on any **Four** of the following. Each question carries **3** marks.  
**(3x3=9)**

11. Difference between endotoxin and exotoxin.
12. Difference between disinfection and antiseptis.
13. Principles and methodology of gram staining.
14. Bacterial capsular structure and staining method.
15. Phase contrast microscope.

**PART-D**

Write essay on any **Two** of the following. Each question carries **5** marks.  
**(2x5=10)**

16. Explain different types of media used in a microbiology laboratory.
17. Elaborate different sterilization agents and their mode of action.
18. Discuss the nutritional requirements and media constituents used for microbial cultures.
19. Elaborate nutritional uptake and transport mechanism in bacteria.