


Y.A. GOVT. COLLEGE FOR WOMEN, CHIRALA
DEPARTMENT OF MICROBIOLOGY
SCHEME OF EVALUATION OF CERTIFICATE COURSE 2019-20

Model Blue print for Certificate course DAIRY MICROBIOLOGY

Exam	-	25M
Attendance	-	5M

30 M




Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155, Prakasam DI (A.P.)



Y.A GOVT DEGREE COLLEGE FOR WOMEN::CHIRALA

COURSE COMPLETION TEST ON DAIRY MICROBIOLOGY

2019-20

Time: 1 hour

Maximum: 25 Marks

SECTION – A

Answer any two of the following

2 x 6 = 12M

1. Write about introduction and development of dairy in India?
2. Write the significance of MBR test?
3. Determine the procedure of SNF, TS in sensory analysis of milk?

SECTION – B

Answer any three of the following

3 x 3 =9 M

5. Explain feature scope of dairy farming farmer?
6. Write about pre and post management of dairy husbandry?
7. Describe advanced analytical techniques in milk and milk products?
8. What are the limitations of dairy farming?

SECTION – C

Answer the following questions

4x 1 =4M

9. Write about milk born diseases?
10. Write about determination of specific gravity in sensory analysis of milk?
11. Write common microbes in milk?
12. What are breeding methods?



Principal
Y.A. Govt. Degree College for Women,
CHIRALA-523155, Prakasam Dt. (A.P)

Y.A. GOVT. COLLEGE FOR WOMEN, CHIRALA

DEPARTMENT OF MICROBIOLOGY

SCHEME OF EVALUATION OF CERTIFICATE COURSE 2020-21

Model Blue print for Certificate course PREPARATION OF BIOFERTILIZERS

Exam	-	25M
Attendance	-	5M

30 M



A handwritten signature in green ink, consisting of stylized, cursive letters.

Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155 Prakasam Dt. (A.P.)



Y.A GOVT DEGREE COLLEGE FOR WOMEN::CHIRALA

COURSE COMPLETION TEST ON PREPARATION OF BIOFERTILIZERS
2020-21

Time: 1 hour

Maximum: 25 Marks

SECTION – A

Answer any two of the following

2 x 6 = 12M

1. Define fertilizers and its uses in agriculture ?
2. Explain methods involved in the preparation of bio fertilizers?
3. Write growth factors required for the plants?

SECTION – B

Answer any three of the following

3 x 3 =9 M

5. Difference between bio fertilizers and chemical fertilizers?
6. Write general components in the fertilizers?
7. What are different types and organisms used as biofertilizers?
8. Describe preparation of biofertilizers?

SECTION – C

Answer the following questions

4x 1 =4M

9. What are advantages and use of biofertilizers?
10. what are biofertilizers?
11. What are advantages of using biofertilizers over chemical fertilizers?
12. What are the uses of biofertilizers?



Principal

Y.A. Govt. Degree College for Women,
CHIRALA-523155, Prakasam Dt. (A.P)

Y.A. GOVT. COLLEGE FOR WOMEN, CHIRALA

DEPARTMENT OF MICROBIOLOGY


SCHEME OF EVALUATION OF CERTIFICATE COURSE 2021-22

Model Blue print for Certificate course DEVELOPMENT OF DIAGNOSTIC KITS

Exam	-	25M
Attendance	-	5M

30 M




Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155. Prakasam Dt (A.P.)



Y.A GOVT DEGREE COLLEGE FOR WOMEN::CHIRALA

COURSE COMPLETION TEST ON DEVELOPMENT OF DIAGNOSTIC KITS

2021-22

Time: 1 hour

Maximum: 25 Marks

SECTION – A

Answer any two of the following

2 x 6 = 12M

1. Explain origin of clinical laboratories?
2. Write about common diagnostic tests and importance of the tests?
3. Describe history and development of diagnostic kits?

SECTION – B

Answer any three of the following

3 x 3 =9 M

5. Describe advanced methods involved in diagnosis of disease?
6. Define comparative applications of the diagnostic kits?
7. Explain principles involved in the diagnosis of disease?
8. What are the importance and role of the diagnostic tests in identification of the disease?

SECTION – C

Answer the following questions

4x 1 =4M

9. Explain history of medical diagnosis?
10. Describe development of diagnostic kits?
11. Explain development of clinical laboratories?
12. What are the importances of common diagnostic tests?



Principal

Y.A. Govt. Degree College for Women,
CHIRALA-523155, Prakasam DT (A.P.)

Y.A.Govt. Degree college for women

Photoshop design

Question paper

Max. Marks:25

Time:2Hrs.

Section-A

Answer any two of the following.

2*10=20M.

1. Write a procedure to design a certificate of merit?
2. Convert Color photo to black and white?
3. Change the background to the image?

Section-B

Answer all the questions.

5*1=5M.

4. How to use the following tools?

- a) Move tool
- b) Shape tool
- c) Marquee tool
- d) Brush tool
- e) Pen tool

Y.A. Govt. Degree College for Women**Photoshop Design****Question Paper**

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. How to save Photo in Photoshop? Explain with step by step process.
2. Explain the tool box with neat diagram.
3. Design a calendar in Photoshop with step by step process.
4. How to changes background in photoshop?

Section-B

Answer all the questions:

5*1=5M

5. How to create a new photo in photoshop?
6. Explain the Earser tool?
7. How to adjust opacity in photoshop?
8. How to convert color photo to black and white photo?
9. Explain text tool?

Y.A. Govt. Degree College for Women**R-Programming****Question Paper**

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. Define various Bar charts in R-Programming.
2. How to perform operations on vectors and matrices?
3. Explain various loop statements in R-Programming.
4. Explain the process of installing R and R studio.

Section-B

Answer all the questions:

5*1=5M

5. What is arithmetic operation?
6. Define logical operation.
7. What is the use of sqrt() Function?
8. What is frequency plot?
9. What is Categorial data?

Java Programming

Question Paper

Max. Marks: 25

Time: 2Hrs.

1. Which of the following language was developed as the first purely object programming language?

- A. SmallTalk B. C++ C. Kotlin D. Java

[A] ✓

20
—
25

2. Who developed object-oriented programming?

- A. Adele Goldberg B. Dennis Ritchie C. Alan Kay D. Andrea Ferro

[C] ✓

3. Which of the following is not an OOPS concept?

- A. Encapsulation B. Polymorphism C. Exception D. Abstraction

[C] ✓

4) Which feature of OOPS described the reusability of code?

- A. Abstraction B. Encapsulation C. Polymorphism

[D] ✓

D. Inheritance

5. Which of the following language supports polymorphism but not the classes?

- A. C++ programming language B. Java programming language
C. Ada programming language D. C# programming language

[C] ✓

6. Which among the following feature is not in the general definition of OOPS?

- A. Modularity B. Efficient Code C. Code reusability D. Duplicate or Redundant Data

[D] ✓

7. Which feature of OOPS derives the class from another class?

- A. Inheritance B. Data hiding C. Encapsulation D. Polymorphism

[A] ✓

8. Which of the following is not a Java features?

- A. Dynamic B. Architecture Neutral C. Use of pointers D. Object-oriented

[C] ✓

9. _____ is used to find and fix bugs in the Java programs.

- A. JVM B. JRE C. JDK D. JDB

[D] ✓

10. Which of the following for loop declaration is not valid?

[B]

- A. for (int i = 99; i >= 0; i / 9) B. for (int i = 7; i <= 77; i += 7)
C. for (int i = 20; i >= 2; - i) D. for (int i = 2; i <= 20; i = 2* i)

11. Which of the following is an immediate subclass of the Panel class?

[A]

- A. Applet class B. Window class C. Frame class D. Dialog class

12. Which keyword is used for accessing the features of a package?

[D]

- A. package B. import C. extends D. export

13. What is the range of data type short in Java?

[B]

- A. -128 to 127 B. -32768 to 32767
C. -2147483648 to 2147483647 D. None of the mentioned

14. Decrement operator, "decreases value of variable" by what number?

[C]

- A. 1 B. 2 C. 3 D. 4

15. Which of the following can be operands of arithmetic operators?

[A]

- A. Numeric B. Boolean C. Characters D. Both Boolean & Characters

16. Which of the following is not a decision making statement?

[D]

- A. if B. if-else C. switch D. do-while

17. Which of the following is not a valid flow control statement?

[A]

- A. exit() B. Break C. Continue D. return

18. Which of the following is not a valid jump statement?

[A]

- A. return B. continue C. break D. goto

19. Which of the following is used with the switch statement?

[A]

- A. break B. do C. Exit D. Continue

20. Which of these jump statements can skip processing remainder of code in its body for a particular iteration?

[C]

- A. return B. continue C. break D. exit

21. Which of these are selection statements in Java?

[C]

- A. for() B. break C. if() D. continue

22. Which of these selection statements test only for equality?

[A]

- A. switch B. if & switch C. if D. loop

23. Choose a valid loop name in Java below.

- A. for B. while C. do while D. All

[D]

24. A BREAK statement inside a Loop like WHILE, FOR, DO WHILE and Enhanced-FOR causes the program execution ___ Loop.

- A. Exit B. Continuation with next iteration
C. Never exit D. None

[C]

25. A Loop in Java language may contain ___.

- A. Any loop B. IF-ELSE statements C. SWITCH statements D. All

[A]

Y.A. Govt. Degree College for Women

PHP and MYSQL

Question Paper

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. Define function? What are the different types of functions and function calls?
2. A. What is variable? Briefly explain a scope of the variables.
B. Explaining saving state between function calls with static statements?
3. Define array? Explain the different types of arrays?
4. What is form? How to create, access the forms?

Section-B

Answer all the questions:

5*1=5M

5. Define Variables.
6. Explain switch flow.
7. Explain user defined functions.
8. How to create an array?
9. How to sending mail on form submission?

Y.A. Govt. Degree College for Women**R-Programming****Question Paper**

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. Explain the process of installing R and R studio.
2. How to perform operations on vectors and matrices?
3. Explain various loop statements in R-Programming.
4. Define various Bar charts in R-Programming.

Section-B

Answer all the questions:

5*1=5M

5. What is arithmetic operation?
6. Define logical operation.
7. What is the use of sqrt() Function?
8. What is frequency plot?
9. What is Categorical data?

Y.A. Govt. Degree College for Women

PHP and MYSQL

Question Paper

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. Define function? What are the different types of functions and function calls?
2. A. What is variable? Briefly explain a scope of the variables.
B. Explaining saving state between function calls with static statements?
3. Define array? Explain the different types of arrays?
4. What is form? How to create, access the forms?

Section-B

Answer all the questions:

5*1=5M

5. Define Variables.
6. Explain switch flow.
7. Explain user defined functions.-
8. How to create an array?
9. How to sending mail on form submission?

Y.A. Government Degree College Women, Chirala

Corel Draw

(End of the Value added Course)

Date: 08/01/2020

Time: 30 Min

Marks: ____ / 20 M

Name: _____

NO: _____

Year & Branch _____

- 1) _____ tool is used for cropping. []
A. Pick tool B. shape tool C. zoom tool D. knife tool
- 2) We have _____ paper Orientation in CorelDraw. []
A. 1 B. 2 C. 3 D. 4
- 3) _____ is used for selecting and deselecting objects. []
A. Bezier tool B. freehand tool C. shape tool D. pick tool
- 4) CorelDraw is a _____ based drawing Application Package. []
A. Photo paint B. Bitmap C. Vector D. Scalar
- 5) Bitmap images are made up of _____. []
A. Pixels B. vectors C. particles D. lines
- 6) What is the default paper type/size when you open CorelDraw window []
A. A4 B. B2 C. postcard D. letter
- 7) The pick tool is used in skewing and scaling objects []
A. True B. False
- 8) The zoom tool is used for _____ objects. []
A. Magnifying B. cropping C. marquee selecting D. embedding
- 9) In Corel Draw the keyboard shortcut to save your drawing is: []
A. Ctrl +s B. Ctrl +c C. Ctrl +z D. OuCtrl +a

10) Which of the following file types can be modified while applying filters on them? []

A.Raster B. Vector C. Animation D. All of the above.

11)What type of text would you use to create a title? []

a. Artistic b. paragraph c. Bezier d. Freehand

12) What tool allows you to get a closer look at an object? []

a.Zoom b.Pick c. Text d. Eyedropper

13) If a person wanted to fill an image of a curtain with a plaid texture, what tool should be used? []

a. Uniform fill b. Fountain c.Gradient d. Pattern

14) What tool is the quickest and easiest way to add a row of bubbles to a 2D vector design? []

a. Bezier or pen b. Spiral ro contour c. Artistic media or paintbrush d.Rectangle

15) What is NOT a basic shape used in a vector drawing program? []

A.Rectangle B. Bezier C. Spiral D. Polygon

16) If a person wanted to fill an object with two colors that blend from one to another, what fill tool would he/she use? []

A. Pattern B.Fountain C. Transparent D.Uniform

17) Corel draw software was developed by which company []

a. Corel b. Microsoft c. Apple d. none of the above

18) Corel draw file Extension is _____ []

a. .cdr b. .exe c. .pdf d. .docx

19) Which Submenu convert the .cdr to .jpg file []

a. New b. Insert c. filter d.export

20) From where we insert the 'insert character' []

a. File b. Edit c. Text d. View

Y.A. Govt. Degree College for Women

PHP and MYSQL

Question Paper

Max. Marks: 25

Time: 2Hrs.

Section-A

Answer any two of the following:

2*10=20M

1. Define PHP Loops? Explain the different types of PHP Loops?
2. Explain the saving state between function calls with the static statement, more about arguments.
3. Define objects? Explain how to create objects and working with strings?
4. How to combine HTML and PHP code on a single page?

Section-B

Answer all the questions:

5*1=5M

5. What is Constants?
6. Uses of functions.
7. How to create object?
8. Uses of arrays.
9. How to send mail?



Y.A GOVT DEGREE COLLEGE FOR WOMEN::CHIRALA

CERTIFICATE COURSE ON PYTHON PROGRAMMING

Time: 1 hour

Maximum: 25 Marks

SECTION – A

Answer any Two of the following

2 x 5 = 10M

1. Explain different string formats available in python with example.
2. Define Python. Give the features of python.
3. What is a list? Write few methods used in list.
4. Write a short note on conditional statements in python.

SECTION – B

Answer any Three of the following

3 x 5 = 15M

5. Explain the math operations in python from highest precedence to lowest precedence with example.
6. What are comparison and Boolean operators? List all the comparison and Boolean operators in python?
7. Write a python program to print factorial of a number. Take input from user.
8. Write a python program to calculate area of triangle and circle and print the result .Take input from user.
9. Write a python program to check whether a string is palindrome or not.

@ ALL THE BEST @

జర్నలిజం సర్టిఫికేట్ కోర్సు
సమూహ ప్రశ్నా పత్రం

సమయం : 2.00 గం

2020-21

మార్కులు : 50

ఈ క్రింది వానిలో మూడింటికి వ్యాసరూప సమాధానాలు వ్రాయండి. 3=30

అ) ఏ సౌకర్యాలు లేనినాడు భారతదేశంలో వార్తా ప్రసారం జరిగిన విధానం గురించి తెలియజేయండి.

ఆ) ముద్రణ పుట్టు పూర్వోత్తరాలు తెలియజేసి, గూటెన్ బెక్ ముద్రణకు ఏ విధంగా పితామహుడో తెలియజేయండి.

ఇ) తెలుగులో వచ్చిన సుప్రసిద్ధ సాహిత్య పత్రికలను మూడింటిని గురించి విశదీకరించండి.

ఈ) సంపాదకీయ రచన ప్రాముఖ్యతను గురించి వ్రాయండి.

ఉ) ఎడిటర్ అర్హతలు, లక్షణాలు, విధులను పేర్కొనండి.

ఊ) మాధ్యమాలకు వ్రాయడం ఎలాగో విశదీకరించండి.

2. ఈ క్రింది వానిలో నాల్గింటికి సంగ్రహ సమాధానాలు వ్రాయండి. 45=20

ఎ) బెంజమీన్ షూల్జ్

ఏ) సుజన రంజని

ఐ) ప్రజాశక్తి

ఒ) ఇంటర్వ్యూ

ఓ) రిపోర్టర్

ఔ) ఎబికె ప్రసాద్

అం) ఇంటర్వెయ్

అః) శీర్షిక

Handwritten signature

సినిమా స్క్రిప్ట్ రచన (సర్టిఫికేట్ కోర్సు)

నమూనా ప్రశ్నా పత్రం

సమయం : 2.00 గం

2021-22

మార్కులు : 50

1. ఈ క్రింది వానిలో మూడింటికి వ్యాసరూప సమాధానాలు వ్రాయండి.

3 X10=30మా

అ) సినిమా ఆవిర్భావ వికాసాలను వివరించండి.

ఆ) సాహిత్య కథకి, సినిమా కథకి ఉండే మౌలిక భేదాలను వివరించండి.

ఇ) సినీ స్క్రిప్ట్లను ఎన్ని రకాలుగా వర్గీకరించవచ్చో తెలపండి.

ఈ) సినీ స్క్రిప్ట్ రచనలో వాడే టెర్మినాలజీ గురించి వ్రాయండి.

ఉ) సినీ స్క్రిప్ట్ రచనలోని దశలను వివరించండి.

2. ఈ క్రింది వానిలో ఒకదానిని సినిమా స్క్రిప్ట్ రూపంలో వ్రాయండి.

1X20=20మా

అ) 'నమ్మకున్న నేల' కథ

ఆ) 'దిద్దుబాటు' కథ

Handwritten signature

Organic Farming - Plant Production

TEST-I (2018-19)

MODEL QUESTION PAPER OF CERTIFICATE COURSE

Time: 1 Hour

TOTAL MARKS-10

(1X10=10)

Answer the following question

(10 Marks)

1. Write the importance of Organic farming ?

TIE & DYE

TEST-I (2019-20)

MODEL QUESTION PAPER OF CERTIFICATE COURSE

Time: 1 Hour

TOTAL MARKS-10

(1X10=10)

Answer the following question

(10 Marks)

1. Write an essay on the development of Textile Industry in India ?

Organic Farming - Procedure

TEST-III (2020-21)

MODEL QUESTION PAPER OF CERTIFICATE COURSE

Time: 2Hours

TOTAL MARKS-25

Answer the following questions

1. Organic farming merits and demerits ? (10 Marks)
2. Describe the impact of Green revolution on human health. (10 Marks)
3. Micro Nutrients ? (5 Marks)

TEST-I (2021-22)

MODEL QUESTION PAPER OF CERTIFICATE COURSE

Time: 1 Hour

TOTAL MARKS-10

(1X10=10)

Answer the following question

(10 Marks)

1. Write about the new trends in Agriculture ?

Journalism

MODEL QUESTION PAPER OF CERTIFICATE COURSE

2020-2021

SECTION -A

Answer the any THREE of the following Questions

(Each question carry 10 marks)

- 1) Write about the Origion and Growth of News Papers?
- 2) Explain the Indian Press and Freedom Movement ?
- 3) Discuss about the contribution of Raja Ram Mohan Roy in Journalism ?
- 4) Write about the famous news papers in India ?
- 5) - Write the Origion and growth of telugu news papers ?
- 6) - Explain the role of Kandukuri Veeresalingam in Journalism ?

SECTION---B

Answer any FOUR of the following Questions

(each question carry 5 marks)

- 1) Bombay Chronicle
- 2) -Mahatma Gandhi
- 3) .Amrit Bazar
- 4) The Hindu
- 5) Muttunuri Krishna Rao
- 6) Eenadu

Handwritten signature

Women Freedom Fighters in India

MODEL QUESTION PAPER

2017-2018

ANSWER ANY THREE OF THE FOLLOWING QUESTIONS

(EACH QUESTION CARRY 10 MARKS)

SECTION -A

- 1.Explain the role women in freedom struggle.
- 2.life history and role of Rani Jhansi Lakshmi Bai in freedom struggle.
- 3.life history and role of Anne Besant in freedom struggle.
- 4.life history of Savitri Bai Phule.
- 5.life history of Indira Gandhi.

SECTION-B

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS

(EACH QUESTION CARRY 5 MARKS)

- 1.Vijaya Lakshmi Pandit
- 2.Kamala Nehru
- 3.Aruna Asif Ali
- 4.Usha Mehatha
- 5.Kalpana Datta
- 6.Sarojini Naidu
- 7.Suchita Kripalane

2/2/18

public policy

MODEL QUESTION PAPER OF COURSE: (Total marks-50)

[2017-18]

Answer the following questions:(Each question carries 10 Marks)

- 1) What are some current public policy issues?
- 2) How does public policy affect our everyday lives ?
- 3) What are problems that arise in public policy Implementation

Answer the following questions?(Each question carries 5 Marks)

- 1) Public Policy
- 2) Policy Analysis
- 3) Planning commission role in public policy

Local self Government

MODEL QUESTION PAPER OF CORSE : (Total marks- 50)

[2018-19]

Answer the following questions : (Each question carries 10 marks)

- 1) Describe the types of Urban local bodies in India after 74th Constitutional Amendment ?
- 2) What are the problems faced by the women leaders of marginalised section in Rural local bodies ?
- 3) What are the operational gaps in PESA ? Suggest how to improve the situation ? How PESA can be meaningful ?

Answer the following questions ? (Each question carries 5 Marks)

- 1) District Planning Committee
- 2) State Election Commission
- 3) PESA Act
- 4) Municipal council
- 5) GramaSabha

Human Rights & Environment

MODEL QUESTION PAPER OF COURSE: (Total marks-50)

[2020 - 21]

Answer the following questions:(Each question carries 10 Marks)

- 1) How does Environment effects Human Rights ?
- 2) why do some groups require special human rights? Does this mean that they have more rights than others ?
- 3) why do we talk about huma rights not human responsibilities?

Answer the following questions?(Each question carries 5 Marks)

- 1) Development vs environment livelihoods
- 2) Environment crisis
- 3) Natural Resources

Contemporary Global Issues

MODEL QUESTION PAPER OF COURSE : (TOTAL MARKS-50) [2021-22]

Answer the following Questions : (Each question carries 10 Marks)

- 1) Write a note on India's Climate commitments and its progress in attaining those commitments ?
- 2) What is weapon Mass Destruction ? Briefly describe the biological and chemical weapons of WMDs ?
- 3) Explain the various International conventions ,treaties and organisations that deal with the human rights and refugees ?

Answer the following Questions : (Each question carries 5 Marks)

- 1) Discuss and describe NPT ?
- 2) Paris Climate Agreement
- 3) Positive and Negative outcomes of Migration ?
- 4) Challenges in achieving Non -Proliferation ?

2020 - 2021
CERTIFICATE COURSE
QUANTITATIVE APTITUDE

MODEL QUESTION PAPER OF COURSE (TOTAL MARKS – 30)

SECTION-A

- MULTIPLE CHOICE QUESTIONS - 10
(Each question carries 1 mark)

SECTION-B

- FILL IN THE BLANKS – 10
(Each question carries 1 mark)

SECTION-C

- SOLVE THE FOLLOWING – 5
(Each question carries 2 marks)



Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155. Prakasam Dist. (A.P.)



2021-22
CERTIFICATE COURSE
ARITHMETIC ABILITY

MODEL QUESTION PAPER OF COURSE (TOTAL MARKS – 30)

SECTION-A

- MULTIPLE CHOICE QUESTIONS - 10
(Each question carries 1 mark)

SECTION-B

- FILL IN THE BLANKS – 10
(Each question carries 1 mark)

SECTION-C

- SOLVE THE FOLLOWING – 5
(Each question carries 2 marks)



Principal

YA. Govt. Degree College for Women
CHIRALA-523155. Prakasam DI (A.P)



DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

SOIL ANALYSIS

2017-2018

COURSE END EXAMINATION

Multiple choice questions

1. The Scientific Study of Soil is

A. Pedology B. Earth Study C. Soil Science D. Soil Chemistry

2. Which of the following is not a nitrogenous fertilizer

A. Urea B. Ammonium Sulphate C. Super Phosphate D. Ammonium Nitrate

3. Soil factors are otherwise known as

A. Biotic factors B. Edaphic C. Climatic D. Physiographic

4. Soils of Western Rajasthan have a high content of

A. Calcium B. Nitrogen C. Aluminium D. Phosphorus

5. Which of the following is an oil seed

A. Clove B. Garlic C. Mustard D. Cardamom

6. Which of the following is a food crop

A. Jute B. Palm C. Maize D. Cotton

7. Potassium chloride contains K

A. 50% B. 60% C. 70% D. 80%

8. Plant Micronutrient is

A. Boron B. Carbon C. Sulphur D. Magnesium

9. Atmosphere is essential for

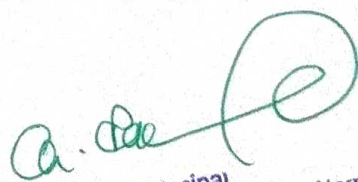
A. Winds B. Cloud formation C. Weather Phenomena D. All of these

10. White colour of soil is due to the presence of

A. Manganese oxide B. Silica C. Iron D. All of these

11. For Water logged rice cultivation the fertilizer that may be avoided is
A. Urea B. Sodium Nitrate C. Ammonium Chloride D. None of these
12. Biofertilizers are
A. Culture of Micro organism B. organic manures C. Green Manure D. None of these
13. Sulphur coated Urea contains N
A. 3% B. 13% C. 33% D. 60%
14. The number of essential Mineral elements of plant is
A. 12 B. 16 C. 20 D. 22
15. Soil fertility is reduced due to
A. Poor drainage B. over irrigation C. Continuous cropping D. Imbalanced use of fertilizers
16. Which one of the following is not a primary nutrient
A. S B. N C. P D. K
17. Which group of plant nutrients involves in N₂ fixation
A. P, S, CO B. P, S, MO C. P, MO, CO D. All of these
18. Which one of the following fertilizers is known as kisanKhad
A. Urea B. Ammonium Sulphate C. Calcium Ammonium Nitrate D. None of these
19. How does the supply of Nitrogen in grains take place
A. From Stem B. From old leaves C. From Plant Roots D. By Photo Synthesis
20. The Soil formed by the deposition of Silt brought by rivers is
A. Pod Soil B. Red Soil C. Black soil D. Alluvial Soil




Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155, Prakasam DI. (A.P.)

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE CLINICAL LABORATORY TESTS 2018-2019

COURSE END EXAMINATION

Multiple choice questions

1. Low effective Sterilization With

- a) Methyl Alcohol
- b) Chloroform
- c) 5% Phenol
- d) 5% Cresol
- e) ethyl alcohol 70%

2. The microscope which is used to investigate syphilis is

- a) Light Microscope
- b) dark field
- c) Ultra -Violet

3. One of these cells is the largest leukocyte cell

- a) Basophil
- b) Monocyte
- c) Lymphocyte
- d) Neutrophil
- e) Eosinophil

4. The malarial sporozoite in man invades

- a) RBCS
- b) White blood cells
- c) Reticulo endothelial cells
- d) All of the above

5. One Jaundice patient has yellow skin his bilirubin is

a) 2.5 Mg/dl

b) 5.0 Mg/dl

c) 1.2 Mg/dl

6. For Glucose tolerance test

a) Collect 5 blood samples only

b) Collect 5 Urin samples only

c) Collect 5 blood samples + 5 Urin Samples

7. Purine Associated with

a) Adenine

b) Uric acid

c) RNA

d) Guanine

8. The most source of ATP in cell is

a) Cytoplasm

b) Nucleus

c) Cell wall

d) Mitochondria

9. Serious that causes food poisoning

a) Staph albus

b) Salmonella enteritidis

c) Salmonella typhi

10. Streptococci responsible for the majority of human infections are

a) Bacitracin-S and camp(-)

b) Group A

c) Beta-haemolyticocci

b) All of these

e) None of these

11. The trophozoite which contains red blood cells in the cytoplasm belongs to this parasite

- a) Entamoeba histolytica
- b) Entamoeba coli
- c) Entamoeba gingivalis
- d) Entamoeba butschlii
- e) None of the above

12. The only enrichment medium of following is

- a) Blood agar
- b) Chocolate agar
- c) Selenite broth
- d) MacConkey agar
- e) Cystine lactose electrolyte Deficient (CLED)

13. The organs of adhesion in bacteria are

- a) Flagella
- b) Fimbriae
- c) Slim layer
- d) 130 days
- e) Microcapsule

14. Life span of red blood cell in the circulation (body)

- a) 80 days
- b) 120 days
- d) 7 days

15. What practical cardiolipin is applicable in laboratory work

- a) FTA
- b) RPR only
- c) VDRL only
- d) VDRL & RPR

16. A semen specimen, containing sugar source of the spermatozoan energy is

- a) Glucose
- b) Mannose
- c) Fructose
- d) Sucrose
- e) Galactose

17. To differentiate between *Neisseria gonorrhoea* and *Neisseria meningitidis*

- a) Fermentation of dextrose and lactose
- b) Fermentation of dextrose and maltose
- c) Fermentation of maltose and lactose
- d) Fermentation of maltose and sucrose

18. Significant bacteruria, puria and alkaline urine probably indicate urinary tract infection due to

- a) *Staphylococcus epidermidis*
- b) *E. coli*
- c) *Proteus vulgaris*
- d) *Pseudomonas aeruginosa*
- e) *Enterococcus faecalis*

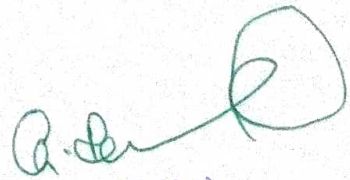
19. Organism soluble in bile

- a) Staph
- b) Streptococci
- c) *Haemophilus influenzae*
- d) pneumococci (*Streptococcus pneumoniae*)

20.) The following organisms are lactose fermenters except

- a) *E. coli*
- b) *Proteus* spp
- c) *Shigella sonnei*




Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155. Prakasam DI (A.P.)

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE

GREEN CHEMISTRY

2021-2022

COURSE END EXAMINATION

MULTIPLE CHOICE QUESTIONS

Maximum marks : 25x2= 50

1) The principles of green chemistry include the eliminating of.....
Treatments

- a) Costly
- b) Harmful
- c) Hard
- d) Easy

2) One of the principles of green chemistry says that to produce
Goods

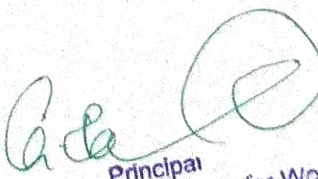
- a) Harmful
- b) Commercial
- c) Safer
- d) Most used

3. After the use of chemicals, we must _____ them properly.
- Use
 - Reuse
 - Dispose
 - Store
4. Green chemistry applies across the _____ of a chemical product like design, manufacture and use.
- Life cycle
 - Properties
 - Uses
 - Efficiency
5. We must use feedstock derived from annually renewable resources or from _____
- Chemicals
 - Organic compounds
 - Abundant waste
 - Plants
6. Green chemistry improves _____ of chemical manufacturers.
- Competitiveness
 - Easiness of production
 - Services
 - Chemicals
7. It reduces the use of _____
- liquid fuels
 - Energy
 - Gaseous fuels
 - Solid fuels
8. It reduces the _____ and protects the environment.
- Pollution
 - Temperature
 - Air
 - Water
9. According to the green chemistry, the chemical involved in the production must be _____
- Non toxic
 - Toxic
 - Highly toxic
 - Produces the toxic by products
10. The green synthesis methods should have _____
- Low efficiency
 - High harmful products

- c) Low energy requirements
d) Low atom efficiency
11. Green chemistry is also called as _____
a) Life chemistry
b) Environmental chemistry
c) Organic chemistry
d) Sustainable chemistry
12. . An ideal solvent facilitates the _____
a) Mass transfer
b) Dissolving property
c) Combustion
d) Titration
13. A desirable green solvent should be _____
a) Costly
b) Toxic
c) Readily available
d) Synthetic
14. The green solvent maximises the atom _____
a) Molecular weight
b) Electronic configuration
c) Velocity
d) Efficiency
15. What is the percentage atom utilisation?
a) $(\text{mole wt of desired product} \times 100) / \text{mole wt of (desired product total product)}$
b) $(\text{mole wt of desired product} \times 100) / \text{mole wt of (desired product)}$
c) $(\text{mole wt of desired product} \times 100) / \text{mole wt of (desired product used product)}$
d) $(\text{mole wt of desired product} \times 100) / \text{mole wt of (desired product by product)}$
16. The _____ reactions involves reorganization of the atoms of the molecules.
a) Addition reactions
b) Rearrangement reactions
c) Reorganised reactions
d) Elimination reactions
17. $\text{C}_2\text{H}_4 + 1/2 \text{O}_2 \rightarrow \text{C}_2\text{H}_4\text{O}$ (Ethylene oxide). This reaction will takes place under presence of catalyst. Find out the %atom economy.
a) 25%
b) 50%
c) 75%
d) 100%
18. _____ are greener than the conventional methods.
a) Micro waves

- b) Electromagnetic waves
c) Ultra violet waves
d) Radio waves
19. Self thermo regulated systems are called as _____
a) Green methodologies
b) Green synthesis
c) Green principles
d) Green concepts
20. _____ is the fundamental advantage of the sono chemistry in organic synthesis without solvents.
a) High yields
b) High energy requirements
c) Use of solvents
d) High wastes
21. Green chemistry aims to?
a) Design chemical products and process that maximize profits
b) Design safer chemical products and processes that reduce or eliminate the use and generation of hazardous substances
c) Design chemical products and processes that work most efficiently
d) Utilize non-renewable energy
22. Bio-catalysis has become very useful in green chemistry manufacturing?
a) True
b) False
23. Green chemistry can reduce all but which of the following?
a) Cost
b) Risk & Hazard
c) Awareness
d) Waste
24. An example of green chemistry is?
a) Recycled carpet
b) A product made on Earth Day
c) A sublimation reaction
d) Bio-plastics
25. This 'green' chemical is used in household cleaners to remove stains and is also a favorite dressing on salads?
a) Vinegar (acetic acid)
b) Citric acid
c) Hydrochloric acid (HCl)
d) Water




Principal
Y.A. Govt. Degree College for Women
CHIRALA-523155, Prakasam Dt. (A.P.)

Y.A.GOV. COLLEGE FOR WOMEN, CHIRALA, PRAKASAM DISTRICT
DEPARTMENT OF ENGLISH -2017-2018
A COURSE IN CONVERSATIONAL SKILLS
FINAL EXAMINATION QUESTION PAPER -2020-2021 [FEB,24/02/2018]

TIME:1HOUR

MAX. MARKS:30

SECTION-A

I. Answer ALL questions:

6X5=30 MARKS

1. Construct a dialogue of greeting Where you have met a friend after a long time.
2. You have some difficulty in Learning English Grammar. Make a request to your English Teacher asking to take tuitions (use polite forms, Convenience of time and place).
3. Seek information from the office, about the courses, fee structure, payment method, extracurricular activities, sports, scholarship etc. that offered in the college.
4. List any FIVE debate points to support the topic given:
"Addition to Smart Gadgets".
5. With the help of hints given below describe a birthday Party.
Birthday- Fun & enjoyment- Gifts -Preparations Decorations – food -cake -dances.
6. Write a Role-Play between you and your sibling, who frequently complains everything to parents.

MODULE-1:: THREE BASIC SENTENCE PATTERNS

Let us study the following sentences: (Reading)

- 1. Birds fly.
- 2. Suresh is a lawyer.
- 3. I am eating a banana.
- 4. Ravi gave me a pen.
- 5. Krishna is walking slowly.

These above sentences are not similar, are they? Why?
 The reason is that there is a difference in the structure of each of the sentences. This structure is called 'sentence pattern'.

Set-1: Let us study more examples: (Reading)

- 1. Madhu is swimming.
- 2. They were crying.
- 3. The paper boat sank.
- 4. She was sweating.

In these above examples we have talked about 'what happened' and 'who did the action'. That means we used only the 'subject' (or the agent of action) and the 'action'.

For example: Who is swimming? Ans: Madhu
 What is Madhu doing? Ans: Swimming

Pattern -1: These examples belong to the pattern called "SUBJECT + VERB" pattern.

Activity-1:

Work in pairs and frame more sentences on this pattern (Speaking & Writing)

- 1.
- 2.
- 3.

Set-2: Let us study more examples:

- 1. I am a teacher.
- 2. She is an engineer.
- 3. They are friends
- 4. They were angry.
- 5. My father is worried.

These sentences are also similar, are they? Why?
 The reason is that they tell either about 'what/who the subject is' or 'how the subject is'.

For example: What am I? Ans: a teacher.
 Who are they? Ans: friends.
 How were they? Ans: angry.
 How is my father? Ans: worried.

Pattern-2: The above examples belong to the pattern called 'SUBJECT+BE+NOUN/ADJECTIVE' pattern.

Activity-2:

Work in pairs and frame more sentences on this pattern. (Speaking & Writing)

-
- 1.
- 2.

Set-3: Let us study these following examples:

- 1. They were playing cricket.
- 2. She has bought a dozen eggs.
- 3. We called for him twice.
- 4. They met their teacher at the theatre.
- 5. Ravi boiled the eggs.

In these examples, we learn about what the 'subject is doing' and that there is somebody/something to receive the action done by the subject.

For example:

- a. 'They' is the subject which is doing the action
- b. 'were playing' is the action being done by the subject
- c. 'Cricket' is the thing that receives the action done by the subject.

'a' denotes the subject or doer of action, 'b' denotes 'the verb' or action and 'c' denotes the 'object'.

We can understand the person who does the action by asking a 'who' question.

- e.g.: Who were playing cricket?
- Who has bought dozen eggs?
- Who will meet at the theatre?

Similarly the thing which receives the action by asking a 'what' question.

- e.g.: What were they doing?
- What has she done?
- What did Ravi do?

And the person who receives the action by asking a 'whom' question.

- e.g.: Whom did they meet at the theatre?
- Whom did we call for twice?

The thing which receives the action by asking a 'what' question.

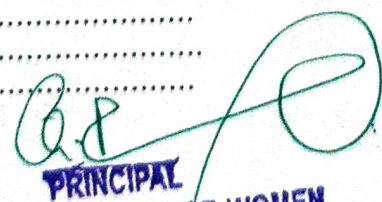
- e.g.: What were they playing?
- What has she bought?
- What did Ravi boil?

Pattern-3: The above examples belong to the 'SUBJECT + VERB + OBJECT' pattern.

Activity-3:

Work in pairs and write five sentences using the above pattern: (Speaking & Writing)

-
-
-


PRINCIPAL

Y.A. Govt. COLLEGE FOR WOMEN
CHIRALA - 523155, A.P.



CERTIFICATE COURSE IN FUNCTIONAL ENGLISH

FINAL EXAMINATION 2019-20

I. write the meanings of the following one word substitutes

5m

1. Philanthropist=
2. Gullible=
3. Polyglot=
4. Mercenary=
5. Glutton=

II. Write the meaning and own sentences using the following Idioms

5m

1. At the eleventh hour=
2. A bed of roses=
3. Red day=
4. Once in a blue moon=
5. A piece of cake=

III. Fill in the blanks with the correct forms of the verbs given in brackets.

1. Last year we----- to Zoo. (go) **5Marks**
2. I -----seventeen on my next birthday. (be)
3. Abdul often-----coffee.(drink)
4. If you start at once, you ----by six o` clock. (arrive)
5. Look! The monkey-----a banana (eat)

IV. Complete the following dialogue 5Marks

Customer : _____?I want to take some money out

Banker : Surely , sir.Have you filled out the withdrawal slip ?

Customer : Yes I have .

Banker : how much would you make a withdrawal, sir ?

Customer : Rs 35000/- please

Banker : which _____ would you make a withdrawal from?

Customer : I want to take out from my _
_____ account , please.

Banker : alright , I will setup your transaction. Please sign right here, sir.

Customer : _____ process ?

Banker : just a few minutes sir .what else can I help, sir?

Customer : nothing . _____ for helping me .

Banker : please don't mention it ,sir. Thank you.

V. Identify the parts of speech of the underlined words (5marks)

1. Latha is dancing.
2. It is my I phone.
3. It is a smart phone.
4. The smart phone is ringing .
5. The smart phone ringing slowly is on a table.

VI. Write five sentences about the given picture (5Marks)



Y.A.GOV.T. COLLEGE FOR WOMEN, CHIRALA, PRAKASAM DISTRICT

DEPARTMENT OF ENGLISH -2021-2022

A COURSE IN CONVERSATIONAL SKILLS

FINAL EXAMINATION QUESTION PAPER -2020-2021 [JAN S04/01/2021]

TIME:1HOUR

MAX. MARKS:30

SECTION-A

I. Answer ALL questions:

6X5=30 MARKS

1. Construct a dialogue of greeting Where you have met a friend after a long time.
2. You have some difficulty in Learning English Grammar. Make a request to your English Teacher asking to take tuitions (use polite forms, Convenience of time and place).
3. Seek information from the office, about the courses, fee structure, payment method, extracurricular activities, sports, scholarship etc. that offered in the college.
4. List any FIVE debate points to support the topic given:
"Addition to Smart Gadgets".
5. With the help of hints given below describe a birthday Party.
Birthday- Fun & enjoyment- Gifts -Preparations Decorations – food -cake -dances.
6. Write a Role-Play between you and your sibling, who frequently complains everything to parents.

Y.A.GOV.T. COLLEGE FOR WOMEN, CHIRALA, PRAKASAM DISTRICT
DEPARTMENT OF ENGLISH -2021-2022
A CERTIFICATE COURSE IN ENGLISH FOR COMPETITIVE EXAMS
FINAL EXAMINATION QUESTION PAPER -2021-2022 [Feb 14/02/2022]

TIME:1HOUR

MAX. MARKS:30

I. Answer ALL questions: SECTION-A

(a) Fill in the blanks with suitable forms of the verbs given in the brackets:5x1=5 Marks

- i) Padmini _____ (going)to college now.
ii) The Prime Minister _____ (address) the public tomorrow.
iii) Preethi _____ (Play) on the laptop since 6 a.m.
iv) I _____ tennis when it _____ to rain. (Play, Start)
v) We _____ our dinner before aunt arrived. (finished)

II. Fill in the blanks with suitable prepositions:3x1=3 Marks

- i). He introduced me ____ the Chief Minister.
ii). I am angry _____ your behaviour.
iii). She is confident _____ success.

III. Fill in the blanks with suitable articles:3x1=3 Marks

- i). Don't drink _____ water from the bottle. Its dirty.
ii). She is _____ young research Scholar.
iii). I've received _____ e-mail from Dr.G.K.PRASAD.

IV. Complete the sentences with correct question tags:2x1=2Marks

- i). Mobile Phones contribute to the radiation levels, _____ ?
ii). Don't waste your time, _____ ?

V). Fill in the blanks with suitable modal verbs:2x1=2 Marks

2017-18
Graph Theory

QUESTION PAPER FOR VALUE ADDED COURSE:

Section. A

6x5= 30M

Answer any 6 of the following.

1. Define a Graph and give two examples.
2. Define a complete, Bipartite and Complete Bipartite Graphs.
3. Define complements, regular Graphs and cycles.
4. Define a sub Graph and give examples.
5. Define a eccentricity of a Vertex and give examples.
6. Define a domination number and give an examples,
7. Prove an edge is a cut edge iff. It belongs to no cycle.
8. Define a Hamiltonian Graph and give an example.

Section. B

Answer the following questions:

2x10=20

1. Prove that the following statements are equivalent for a connected graph G:
 - (1) G is Eulerian
 - (2) Every vertex of G has even degree
 - (3) The set of edges of G can be Partitioned into Cycles.
2. (1) Draw an example for Eulerian graph.
(2) Draw a graph with neither an Eulerian trail nor an Eulerian Circuit.

Signature

Y.A Government degree college (w) chivala Prakasham (Di) A.P
Certificate course on objectives of Arithmetic and Reasoning

TEST-1

2018-2019

Fill in the blanks with correct answers.

- ① 6, 7, 13, 20, 33, _____, 86 is
- ② 1, 5, 13, 25, 41, _____ is
- ③ R, U, X, A, D, _____ is
- ④ If 'LODES' is coded as 46321, how will you code the word 'DOES' as _____
- ⑤ A woman introduces a man as the son of the brother of her mother. How is the man related to the woman _____
- ⑥ If "HTSM" means 'GIRL'. What does 'RNES' mean _____
- ⑦ CAT + DOG = 50, BAT + HEN = _____
- ⑧ If X is the brother of the son of Y's son, how is X related to Y _____
- ⑨ What was the day of the week on 1st August 2009 _____
- ⑩ How many prime numbers are less than 100 _____

TEST-2

2018-2019

Choose true or false for the following questions.

- ① 700 is a leap year ()
- ② The greatest in $16\frac{2}{3}\%$, $\frac{2}{15}$ and 0.17 is 0.17 ()
- ③ A person crosses a 600m long street in 5 minutes. his speed in km/hour is 7.2 ()
- ④ A does a work in 10 days and B in 15 days. The no. of days they together will do the same work in 5 days ()
- ⑤ If a radio is purchased for 490 rs. sold for 465.50 rs then loss percentage is 5% ()
- ⑥ The probability of getting a sum 9 from two throws of a die is $\frac{1}{12}$ ()
- ⑦ The probability that a card drawn from a pack of 52 cards will be a diamond is $\frac{4}{13}$ ()
- ⑧ The sum of first 100 natural numbers is 5050 ()
- ⑨ If 60% of $\frac{3}{5}$ of 'x' is 36, then the number is 50 ()
- ⑩ The least number which must be subtracted in 6709 to make it exactly divisible by 9 is 4 ()

Y.A. Government Degree college (w) Chirala.
Prakasam (Dist). Andhra Pradesh.

CERTIFICATE COURSE ON ARITHMETIC AND
REASONING.

2018-2019

TEST-3

Multiple choice questions.

1. 2, 5, 11, 20 _____ 47
a) 23 b) 25 c) 32 d) 42.
E, I, O, U _____
a) B b) C c) A d) J
2. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C _____
a) Father b) brother c) ~~brother~~ father d) uncle.
3. Book - PEN = 8, PEN - NIB = ?
a) 6 b) 8 c) 10 d) 12
4. How many days in 2nd Jan 1993 to 15th May 1993
a) 72 days b) 73 days c) 74 days d) 75 days.
5. Which of the following number is exactly divisible by 11. _____
a) 235641 b) 245642 c) 315624 d) 415624.
6. Average of first 20 natural numbers _____
a) 20 b) 20.5 c) 21 d) 21.5
7. The number which exactly 16% of it by 42 is
a) 45 b) 50 c) 55 d) 60.
8. Successive discount of 10%, 12%, and 15% amount of a single discount.
a) 32.68% b) 35.28% c) 36.68% d) No
9. In a simultaneous throw of a pair of dice, find the probability of total more than 7? _____
a) $\frac{12}{36}$ b) $\frac{13}{36}$ c) $\frac{14}{36}$ d) $\frac{15}{36}$

Y.A.Government Degree College (W) Chirala Prakasam(Dist),Andhra Pradesh

VALUE ADDED COURSE ON VEDIC MATHEMATICS

Assessment Form

1. Add the following by Bindvankana method.
a) $924+3462+5643$, b) $5408+7823+2376$
2. Subtract the following by Bindvakana method
a) $6300-3076$, b) $5315-2089$, c) $6123-5469$
3. Find the products by Nikhilam Method
a) 353×357 , b) 253×257 , c) 354×356
4. Find the product by Cross addition method
a) 104×98 , b) 989×988 ,
5. Find the product by Vinkulam method and Cross addition method
a) 1009×1007 , b) 1004×989
6. Find the product theoretical base 1000 and 500 working base
a) 506×508 , b) 256×252 (250 working base)
7. Find the products by Urthvatiryak Sutra.
a) 123×321 , b) 342×435
8. Find the Squares by Nikhilam method
a) 98, b) 1003, c) 997
9. Find the Cubes by Yuvadunam Method
a) 109, b) 113
10. Divide the following by Nikhilam Method
a) $607 \div 9$, b) $246 \div 8$

Sir

Question Paper for Certificate Course

Total Marks :50

Answer the following Questions:

6*5=30

1. Define a graph and give an Example?
2. Define Directed and Undirected Graphs?
3. Write applications of Graphs?
4. Prove that An edge is a Cut-edge if and only if it belongs to no cycle
5. Define Complete bipartite graph give an example
6. Prove that each U,V-Walk Contains a U,V-path

Answer the following questions:

2*10=20

7. Prove that the following statements are equivalent for a connected graph G:
 - (1) G is Eulerian
 - (2) Every vertex of G has even degree
 - (3) The set of edges of G can be Partitioned into Cycles
8. (i) Draw an example for Eulerian graph
(ii) Draw a graph with neither an Eulerian trail nor an Eulerian Circuit

Y.A Government Degree college (w) Chirala Prakasam (Dist) A.P

CERTIFICATE COURSE ON GRAPH THEORY

2020-2021

TEST-1

Fill in the blanks with suitable answers.

- ① A graph is a mathematical structure consisty of a set of _____
- ② set of points are called _____
- ③ The lines are called _____
- ④ Simple graph has _____ edges
- ⑤ Two vertices are said to be adjacent if there is _____ connectly them
- ⑥ Adjacent edges are edges that share a _____
- ⑦ The number of edges incident with that vertex is known as _____
- ⑧ The path that begins and ends at the same vertex lines called a _____
- ⑨ A circuit that does not repeat vertices is called a _____
- ⑩ The graph that is not connected is a _____

Y.A Government Degree College (w) Chirala Prakasam (O's) A.P
CERTIFICATE COURSE ON GRAPH THEORY

2020-2021

TEST-2

Choose true/False for following questions.

- ① The edge is a cut-edge if and only if it belongs to no cycle ()
- ② In an undirected simple graph with N vertices, there are at most $\frac{N(N-1)}{2}$ edges ()
- ③ The number of vertices with odd degree is odd ()
- ④ In any graph G , there are two vertices with same degree ()
- ⑤ A complete graph has loops ()
- ⑥ The number of edges in K_n is $\frac{n(n-1)}{2}$ ()
- ⑦ Where a walk is defined then each edge $e_i = \{v_{i-1}, v_i\}$ ()
- ⑧ The union of distance u, v -walks must contain a cycle ()
- ⑨ An Eulerian circuit contains all the edges and vertices of the graph ()
- ⑩ A connected graph G is an Euler graph \Leftrightarrow are the vertices of G and q odd degree ().

Multiple choice Questions.

1. Each edge e in E has a set of _____
a) 3 vertices b) 4-vertices c) 1 or 2 vertices d) none.
2. A simple graph has _____
a) no loops b) 2 loops c) 5 loops d) 3 loops.
3. If $e=(u,v)$ is a directed edge in a graph then v is terminal
a) u is terminal vertex b) u is initial vertex c) v is initial vertex.
d) u is middle vertex.
4. In a complete graph K_n degree of each vertex is _____
a) n b) $n+1$ c) $n-1$ d) $2n$
5. The number of edges in K_n is _____
a) $\frac{n(n-1)}{2}$ b) $\frac{n}{2}$ c) $\frac{n(n+1)}{2}$ d) $n(n-1)$
6. Bipartite graphs contains.
a) odd cycles b) even cycles c) odd and even cycles d) none.
7. The set of all central points of G is called.
a) vertex of G b) edges of G c) path of G d) centre of G .
8. The minimum number of edges in a connected graph with n vertices is
a) $n-1$ b) $n+1$ c) $n-2$ d) $n/2$
9. A bipartite graph consists of
a) 1-set of vertices b) 3-sets of vertex c) α -set of vertex d) none.
10. An eulerian circuit contains.
a) all the edges b) all the vertices c) one edge d) all the edges and vertices of the graph

[Signature]

Y.A.Government Degree College (W) Chirala Prakasam(Dist),Andhrapradesh
Certificate Course on Objectives of Arithmetic

Assessment Form

1. The Place value of 7 in the numeral 634721 is
 a) 7 b) 721 c) 714 d) 700
2. Which of the following is the pair of Co-Primes
 a) (14,35) b) (18,25) c) (31,93) d) (32,62)
3. The H.C.F of two numbers is 12. If they are in the ratio 1:2:3, the numbers are
 a) 6,12,18 b) 10,20,30 c) 12,24,36 d) 24,48,72
4. $1/0.04 =$
 a) $1/40$ b) $2/5$ c) $5/2$ d) $1/4$
5. Sum of two numbers is 10 and the sum of their reciprocals is $5/12$. the numbers are
 a) 8 & 2 b) 6 & 4 c) 7 & 3 d) 9 & 1
6. The ratio of the mans age to his sons age is 4:1. The product of their ages is 196. The ratio of Their ages after 5 years will be
 a) 3:1 b) 10:3 c) 11:4 d) 14:5
7. 12% of 980 = ? % of 450 = 30% of 227 then ? =
 a) 14 b) 17 c) 11 d) 8
8. If the cost price of 4 things is equal to the sale price of 3 things then the profit percentage is
 a) 25% b) $33 \frac{1}{3} \%$ c) $37 \frac{1}{2} \%$ d) 40%
9. If $2A = 3B$ and $4B = 5C$ then $A:C = ?$
 a) 3:4 b) 8:15 c) 15:8 d) 4:3
10. At what rate of Simple interest a certain sum will be doubled in 15 years
 a) $5 \frac{1}{2} \%$ p.a b) 6% p.a c) $6 \frac{2}{3} \%$ p.a d) $7 \frac{1}{2} \%$ p.a