

Enrollment No.

Program Name- B.Sc. (Ag)

IV Semester / II Year Exam

Subject Code- AG-410

Subject Name- Agri-Informatics

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)**[01×15=15]****I 'C++' was developed in:**

- (a) 1969 (b) 1997 (c) 1979 (d) 1996

II How many KB in 1MB:

- (a) 1028KB (b) 1024KB (c) 1032KB (d) 1045KB

III 'MAN' Full form?

- (a) Metro Access Network (b) Metro pollen Network
(c) Metropolitan area network (d) None of these

IV Which chart can only display one series of data?

- (a) Bar Chart (b) Pie Chart
(c) Column Chart (d) Line Chart

V Identify the name of web browser:

- (a) G-mail (b) Internet explorer (c) Oracle (d) None of these

VI (W3) WWW is refers to:

- (a) World Wild Web (b) Word Wide Web
(c) World Wide Website (d) None of these

VII HTML full form:

- (a) Hyperlink make-up language (b) Hypertext mark-up language
(c) Hybrid markup language (d) None of these

VIII Linux is a:

- (a) System software (b) Software device
(c) Hardware system (d) None of the above

IX What is the LAN belongs to:

- (a) Local area network (b) Line area network
(c) Level area network (d) None of the above

- X** Full form of GPS:
(a) Global Positioning System (b) Geographical Position System
(c) Globe Posture System (d) None of these
- XI** Multitasking operating system is?
(a) Embedded (b) Distributed (c) Real-Time (d) Single-user
- XII** Visual Basic programming language was first released by Microsoft:
(a) 2008 (b) 1991 (c) 1978 (d) 1995
- XIII** MS- word is also known as:
(a) .doc (b) .Net (c) .max (d) None of these
- XIV** 'Opera' is a:
(a) Operating system (b) Window (c) Media player (d) Web browser
- XV** GIS is known as:
(a) Global Positioning System (b) Geographical Position System
(c) Geographic Information Systems (d) None of these
- 2. Answer in long (any three) [10×3=30]**
- I** Write a detail note on Geospatial technology following with the uses of GPS and GIS.
- II** What are the computer programming languages? Also define C, C++ and JAVA in detail.
- III** Discuss in detail about internet, world wide web and e-mail.
- IV** Illustrate the different types of charts with their diagram.
- 3. Answer in short (any Six) [5×6=30]**
- I** Define computer history.
- II** Give a short note on RAM and ROM.
- III** What do you understand by MS-Excel? Also write down their features.
- IV** Could you explain the types of computer viruses?
- V** Discuss about the visual basic programming language.
- VI** Write short notes on e-Agriculture.
- VII** What are the types of network? Define briefly.
- VIII** Explain the role of ICT in agriculture in brief.

Enrollment No.

Program Name: B.Sc. Agriculture

4th Semester /2nd Year Examination

Subject Code BAH-409

Subject Name: Communication Skills and Personality Development

[Time: 03:00 Hours]

[Max. Marks: 75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)

[01×15=15]

- I Communication without words is called ____
 a) oral communication b) written communication
 c) object communication d) non-verbal communication
- II Which of the following is a written or spoken conversation exchange between two or more people.
 a) Monologue b) dialogue
 c) Soliloquy d) none of these
- III The important non-verbal elements of Paralanguage include ____
 a) Voice b) Volume c) Tone d) All the above
- IV Noise in communication can be called as ____
 a) Support b) Barrier c) Both d) None
- V At each stage in the process of communication, there is a possibility of interference which may hinder the process. Such interference is known as ____
 a) barrier b) transmission c) receipt d) haptics
- VI Body language is also known as-
 a) Proxemics b) Chronemics c) Haptics d) Kinesics
- VII Academic listening usually involves trying to follow a/an ____
 a) lecture b) request c) advice d) demand
- VIII Which of the following is not an element of communication process?
 a) sender b) medium c) action d) receiver
- IX Folk art, folk music, festival and fairs are the channels in ____ type of communication.
 a) print media b) electronic media
 c) journalism d) traditional medium
- X Which of the following is not one of the 7 c's of communication?
 a) clarity b) creativity c) capability d) comprehensiveness

- XI** Which of these is not a barrier to listening?
a) Physical barrier b) Cultural barrier
c) Linguistic barrier d) Written barrier
- XII** Which of the following is not the part of communication?
a) feedback b) Receiver
c) Sender d) Circular
- XIII** The person who transmits the message is called _____
a) sender (b) receiver c) driver d) medium
- XIV** Proxemics is associated with which non-verbal form of communication
a) Space b) pitch
c) Body language d) time aspect
- XV** Communication is a _____ way process
a) one b) two c) three d) four
- 2. Answer in long (any three) [10×3=30]**
- I** Explain in detail the functions and components of communication.
- II** *What is effective listening? Write the principles of effective listening.*
- III** What do you mean by group discussion? What are the characteristics of group discussion?
- IV** What is a business letter? Outline the important components of a business letter.
- V** Elaborate tips for giving effective presentation.
- 3. Answer in short (any five) [5×6=30]**
- I** Draw the communication cycle and state the important elements.
- II** What are the advantages and disadvantages of a group discussion? How does group discussion differ from a debate?
- III** Why is it important to know the background of the audience to communicate effectively?
- IV** Distinguish between oral and written communication.
- V** What do you mean by mis-communication? What are the factors responsible for mis-communication?
- VI** What steps can be followed to improve non-verbal communication skills?
- VII** What do you know about 7 c's of communication? Explain.

Enrollment No.

Program Name: B.Sc Agriculture
2nd Semester / 2st Year Examination
Subject Code: AG-409

Subject Name: Inductory Agro-meteorology and Climate Change

[Time :03:00 Hours]

[Max. Marks :75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)**[01×15=15]****(I)** Shortwave radiation is responsible for:

- a) Heating the Earth's surface b) Cooling the Earth's surface
c) Regulating the Earth's atmospheric pressure d) Generating wind patterns

(II) What is the typical time range for short-term weather forecasts?

- a) 1 to 3 days b) 1 to 2 weeks c) 1 to 3 months d) 6 months to 1 year

(III) Which of the following is NOT a component of a weather forecast?

- a) Temperature b) Humidity
c) Historical events d) Wind speed and direction

(IV) What is a cyclone?

- a) A type of cloud formation
(b) A large-scale atmospheric circulation system characterized by low pressure at its center

- (c) A type of tropical fruit
d) A geological formation found in deserts

(V) In which part of the world are tropical cyclones known as hurricanes?

- a) Western Pacific Ocean b) Indian Ocean
(c) Atlantic Ocean d) Southern Ocean

(VI) What is an anticyclone?

- a) A type of cloud formation
(b) A large-scale atmospheric circulation system characterized by high pressure at its center
(c) A geological formation found in mountains d) A type of tropical fruit

(VII) Which of the following weather conditions is typically associated with an anticyclone?

- (a) Heavy rainfall (b) Strong winds
(c) Clear skies and calm weather d) Tornadoes

(VIII) Which of the following greenhouse gases is primarily responsible for global warming?

- (a) Oxygen (O₂) (b) Nitrogen (N₂)
(c) Carbon dioxide (CO₂) d) Hydrogen (H₂)

(IX) What is global warming?

- a) An increase in the average temperature of the Earth's atmosphere and oceans
(b) A decrease in the average temperature of the Earth's atmosphere and oceans
(c) A change in the Earth's orbit around the sun
d) A natural cycle of temperature fluctuations

[1]

- (X) How have human activities contributed to global warming?
a) By planting more trees b) By reducing the use of fossil fuels
c) By releasing greenhouse gases into the atmosphere d) By conserving energy
- (XI) What is albedo?
a) The measure of atmospheric pressure
b) The measure of reflectivity of a surface
c) The measure of humidity in the atmosphere
d) The measure of wind speed
- (XII) What are greenhouse gases?
(a) Gases emitted by plants during photosynthesis
(b) Gases that trap heat in the Earth's atmosphere
(c) Gases released from volcanic eruptions
(d) Gases used in industrial processes for cooling
- (XIII) Which of the following is NOT a greenhouse gas?
(a) Carbon dioxide (CO₂) (b) Oxygen (O₂)
(c) Methane (CH₄) (d) Water vapor (H₂O)
- (XIV) Which of the following cloud types is commonly seen on a clear day and appears as small, fluffy white patches scattered across the sky?
(a) Cirrocumulus (b) Stratocumulus
(c) Cumulus (d) Altostratus
- (XV) What is the boundary between the troposphere and the stratosphere called?
(a) Tropopause (b) Stratosphere
(c) Mesopause (d) Thermopause

2. Answer in long (any three)

- I Describe causes of climate change. ?
II Discuss briefly form of precipitation?.
III Explain the Drought and Flood ?
IV Write about on artificial rainmaking and their advantage?

3. Answer in short (any six)

- I Differentiate between the following
Cyclone and Anticyclone?
II Briefly explain the modification of microclimate?
III Define the following terms
(a) Atmospheric humidity (b) Condensation
IV Write about on weather forecast and important role in agriculture ?
V Write short note on cloud and its types?
VI Write down the vertical profile of temperature ?
VIII Write about on wind and their types ?

Program Name: B.Sc Agriculture
2nd Semester / 2st Year Examination
Subject Code: AG-206

Subject Name Fundamentals of Plant pathology

[Max. Marks :75]

[Time :03:00 Hours]

- Note: 1. Attempt all the questions as per given instructions.
2. Fill the correct answer of MCQs

[01×15=15]

I. Multiple Choice Questions (MCQs)

- I The first latter of species name should be
a. Small latter b. Capital latter c. Both a and b d. None of these
- II The first latter of Genus name should be
a. Small latter b. Capital latter c. Both a and b d. None of these
- III Sporadic disease occur
a. Regular interval year to year moderate or severe form in country
b. Irregular interval and location
c. Both a and b d. All of these
- IV Endemic disease occur
a. More or less constantly present from year to year in moderate to severe form in a particular region
b. Regular interval year to year moderate or severe form in country
c. Both a and b d. All of these
- V Late blight of potato caused by
a. Fungus b. Bacteria c. both a and b d. none of these
- VI Khiara disease caused by ?
a. Potasium difficiency b. Fe difficiency c.
c. Zinc difficiency d. none of these
- VII General character of Fungus?
(A) Acholorophilous (B) Fillamentous structure
(C) Both a and b (D) None of these
- VIII Sporangia contain _____
a. Spore b. hypha
c. Both a and b d. None of these
- IX Father of modern Plant pathology
a. Anton de Barry b. J. K. Singh c. both a and b d) all of these

- X Virus are _____
a Biotic b. Abiotic c. Mesobiotic d. None of these
- XI Obligate parasite are ?
a) Organisms which obtain food only from living host cell
b) Organisms which obtain food from host cell and dead material
c) Organisms which obtain food only from dead material
d) All of these
- XII Facultative parasite ?
a) Organisms which obtain food only from living host cell
b) Organisms which obtain food from generally dead material but under certain condition grow in living host cell
c) Organisms which obtain food only from dead material
d) All of these
- XIII Obligate saprophyte _____
a) Organisms which obtain food only from living host cell
b) Organisms which obtain food from living organism and dead material
c) Organisms which obtain food only from dead material
d) All of these
- XIV Facultative saprophyte _____
a) Organisms which obtain food only from living host cell
b) Organisms which obtain food from generally living host cell but under certain condition grow on dead material
c) Organisms which obtain food only from dead material
d) All of these
- XV Loranthus are ?
(a). Total stem parasite a) Semi stem parasite
b). Total root parasite d) Semi root parasite
2. Answer in long (any three) [10×3=30]
I Describe the method of reproduction of fungi
II Discuss about on Taxonomy and Binomial nomenclature of fungi
III Explain the Cultural method of plant disease management
IV Explain the definition of plant pathology and its scope
3. Answer in short (any six) [5×6=30]
I Explain the wilt disease of plant with causal organism?
II Describe the general character of subdivision Zygomycotina?
III Define the following terms?
(a) Pandemic disease b) Sporadic disease
IV What do you mean phytopathology?
V Define the Virus? Draw the structure of virus.
VI Write about on physical method of Plant disease management?
VII Write about on the name of five plant disease and their causal agent?

Printing Pages : 2
Paper Code: AG-411

A (SVSU:2023-24/R)

Enrollment No.

Program Name: B.Sc Agriculture
4th Semester / 2nd Year Examination
Subject Code: AG - 411

Subject Name: Poultry Production & Management

[Time :03:00 Hours]

[Max. Marks :75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)

[01×15=15]

- I** Which of the following is not typically included in poultry farming?
A) Cow B) Chicken C) Duck D) Turkey
- II** Which of the following is not an important component of poultry farm management?
A) Disease free breed B) Proper food
C) Dirty conditions D) Safe farm conditions
- III** Which is a domestic fowl?
A) It lives in particular region
B) It is a foreign breed
C) A bird kept for obtaining meat and eggs
D) A specific bird kept for breeding purposes only
- IV** Poultry birds which are exclusively grown for meat are called?
A) Layers B) Cockerel C) Rooster D) Broilers
- V** Which of the following is not obtained by eating eggs?
A) Protein B) Lipid C) Carbohydrate D) Alcohol
- VI** Which of the following is an Indian breed of poultry?
A) Busra B) White leghorn C) Australorp D) Plymouth rock
- VII** Which of the following is not an exotic breed reared in India?
A) Rhode Island Red B) White leghorn
C) Plymouth Rock D) Aseel
- VIII** Chicken prefer a laying house temperature of about?
A) 23.8°C B) 25.5°C C) 30.8°C D) 35.9°C
- IX** When the laying house temperature is above?
A) 32.3°C B) 25.5°C C) 30.8°C D) 35.9°C
- X** Average body weight of broiler?
A) 1.5 - 2.0 Kg B) 2.5 - 3.5 Kg
C) 5.5 Kg - 6.5 Kg D) 7.5 Kg - 8.5 Kg

- XI What is the average feeder space of bird for up to 48 days?
A) 3 cm B) 6 cm C) 9 cm D) 12 cm
- XII What is the average feeder space of waterer for up to 18 days?
A) 1.5 cm B) 6.5 cm C) 9.5 cm D) 12.5 cm
- XIII What is the butcher age for broiler?
A) 7 - 12 weeks B) 14 - 20 weeks
C) 5 - 12 weeks D) Both A & B
- XIV What is the butcher age for fryer?
A) 7 - 12 weeks B) 14 - 20 weeks
C) 5 - 12 weeks D) Both A & B
- XV What is the butcher age for roaster?
A) 7 - 12 weeks B) 14 - 20 weeks
C) 5 - 12 weeks D) Both A & B

2. Answer in long (any three) [10×3=30]

- I Explain the poultry production and their management?
- II Explain the classification of chicken?
- III How to incubation of eggs? Explain it.
- IV Explain the selection and care management of hatching egg?

3. Answer in short (any six) [5x6=30]

- I Write the importance of poultry keeping in India?
- II How to selection of good eggs?
- III Define the care and management of broiler?
- IV Write the five breeds name of duck and chicken?
- V Draw a complete diagram of poultry farm?
- VI Define the thermal stress in poultry during summer?
- VII What is the parameter for egg storage?

Printing Pages : 2

Paper Code: BSA-404

C (SVSU:2023-24/C)

Enrollment No.

Course-B.Sc. (Agriculture)

2nd Year/4th Semester Examination

Subject Code: BSA-404

Subject Name: Insect Ecology and Integrated Pest Management including
Beneficial Insects

[Time: 03:00 Hours]

[Max. Marks: 70]

Note: Attempt all the questions as per the given instructions.

1. Multiple Choice Questions (MCQs) [01×15=15]
- I Establishment of Agriculture Research Institute Push Bihar in the year
(a)1937 (b)1905 (c)2000 (d)1916
- II Yellow sticky trap comes under method of pest control
(a)Mechanical (b)Cultural (c)Chemical (d)None of the above
- III Zoological survey of India is established in the year
(a)1930 (b)1925 (c)2003 (d)1916
- IV Insecticides that repel the insects is called
(a) Attractant (b)Antifeedants
(c) Replant (d)None of the above
- V Find out the Biotic factor of insect development.
(a)Temperature (b)Humidity (c)Rainfall (d)Food
- VI A period of suspended activity of insects due to high temperature is called
(a) Aestivation (b)Hibernation
(c)Diapause (d)None of the above
- VII The book "Systema Naturae" was written by
(a)R H Painter (b)Maxwell Lefroy
(c) M S Mani (d)Carolus Linnaeus
- VIII First time entomology division started in IARI New Delhi
(a)1900 (b)1937 (c)1950 (d)2000
- IX The green label insecticides are
(a)Less toxic (b)Highly toxic
(c)Extremely toxic (d)Moderate toxic
- X Clean cultivation comes under which methods of IPM
(a)Mechanical (b) Cultural (c)Biological (d) Chemical
- XI The term insect is derived from the word
(a)Greek (b) French (c)Latin (d)English

- XII** DDT is first synthesized by
(a)Muller (b) Othamar Ziedler
(c)V D Linden (d) None of the above
- XIII** The group of individuals is called
(a)Population (b)Unit (c)Both of them (d)None of the above
- XIV** Insect pest management by any living organism is called as
(a)Chemical control (b)Cultural control
(c)Legal control (d)Biological control
- XV** The full form of LD50 is
(a)Lethal Dose (b)Legal Dose (c) Large Dose (d) Less Dose

2. Answer in long (any three) [10×3=30]

- I** Describe in detail the biotic and abiotic factors in insect development.
- II** Write down the classification of insecticides on the basis of their mode of entry.
- III** Explain in detail the different categories of pests.
- IV** Write down the different formulations of insecticides.
- V** Describe in detail the definition, principles and tools of IPM.

3. Write down the short note on the followings (any five) 5x5=25

- I** Insecticides act 1968.
- II** Occasional pest.
- III** Hazard of insecticides.
- IV** Safety issues of pesticides use.
- V** Define the Insect.
- VI** Advantage of pest surveillance.
- VII** Define the IPM.

Program Name : B.Sc. Agriculture
IV Semester / II Year Examination
Subject Code AG-404

Subject Name -Problematic Soil and Their Management
[Time : 03:00 Hours] [Max. Marks : 75]

Note : 1. Attempt all the questions as per given instructions.

- I. Multiple Choice Questions (MCQs) [01×15=15]**
- I** Which is the primary stage of soil erosion ?
(a) Splash (b) Sheet (c) Rill (d) All of these
- II** Which soil has maximum in India
(a) Alluvial soil (b) Red Soil (c) Laterite soil (d) All of these
- III** Which is not suitable in red soil
(a) High Texture (b) Calcium carbonate
(c) High organic matter (d) none of these
- IV** Which soil is find in high rainfall area
(a) Laterite soil (b) Saline soil (c) Marshy soil (d) All of these
- V** Tarai soil is find in
(a) UP (b) Bihar (c) West Bengal (d) All of these
- VI** How many types of soils are found in India
(a) 12 (b) 8 (c) 6 (d) All of these
- VII** How many types soil ind in India
(a) 10.0 (b) 4.0 (c) 8.0 (d) All of these
- VIII** What is the pH of sodic soil
(a) 10.5 (b) 4.0 (c) 7.5 (d) All of these
- IX** Soils of cold zone are known as
(a) Tundra soil (b) Desert soil (c) Brown soil (d) All of these
- X** Pedon is developed by
(a) USDA (b) U.K (c) Brown soil (d) All of these
- XI** Area of pedon is
(a) 1 to 10 m² (b) 1 to 15 m² (c) A & B both (d) All of these
- XII** O- Horizon find in
(a) Red soil (b) Forest soil (c) A & B both (d) None of these
- XIII** Which is the factors of soil formation
(a) Topography (b) Oxisol (c) Inceptisol (d) All of these

XIV Soil salinity Institute situated in
(a) Haryana (b) Karnal (c) A & B both (d) None of these

XV Physical weathering is due to
(a) disintegration (b) decomposition
(b) (c) A & B both (d) none of these

2. Answer in long (any three) [10×3=30]

I Soils in India and their equivalents in U.S. Soil Taxonomy

II What are salient features of LCC.

III Explain the quality of irrigation water in details.

IV What are major process of soil profile development.

3. Answer in short (any six) [6×5=30]

I What are objectives of soil profile and draw a hypothetical diagram

II Define bulk density, Particle density & Porosity with formula and role of bulk density in Agriculture.

III What is black soil genesis and management practices

IV Write short notes on following

(a) Soil pH in Agriculture (b) Role of soil texture in agriculture

V EC, pH, SAR of Saline soil, Saline and Alkaline soil, non-saline and Alkaline soil

VI What is universal soil loss equation.

VII How to manage watershed.

Note: 1. Attempt all the questions as per given instructions.

I. Multiple Choice Questions (MCQs) [01×15=15]

- I** Which crop is a genetically modified crop?
(a) Bt - Brinjal (b) Pomato (c) Triticale (d) Raphanobrassica
- II** A plasmid consisting of its own DNA with a foreign DNA inserted into it is called _____.
(a) Non-coding DNA (b) Junk DNA
(c) Recombinant DNA (d) Mutated DNA
- III** Which bacterium is used for the gene transfer in genetic engineering?
(a) *A. tumefaciens* (b) *X. citri* (c) *C. septicum* (d) *B. coagulens*
- IV** The extra chromosomal, self-replicating, double stranded, closed, circular DNA molecules are _____.
(a) Plasmid (b) Phages (c) Viruses (d) Chloroplasts
- V** Which compound is used for the callus culture?
(a) Broth (b) Agar (c) Both a & b (d) Polyacrylamide
- VI** Which of the following crop improvement technique is based on cellular Totipotency?
(a) Grafting (b) Hybridization (c) Tissue culture (d) None of these
- VII** A group of genetically similar organisms obtained by asexual reproduction is called:
(a) Population (b) Clone (c) Assembly (d) Hybrid
- VIII** Which hormone is related to cell division?
(a) Auxin (b) Cytokinins (c) Indole acetic acid (d) Ethylene
- IX** Who is known as the father of plant tissue culture?
(a) Philip R. White (b) Murashige & Skoog
(c) Herbert E. Street (d) Gottlieb Haberlandt
- X** Which process involved in plant biotechnology methods?
(a) Modification (b) Transfer (c) Manipulation (d) All of these
- XI** The cells or plants containing nucleus of one species and cytoplasm from both parental species; is called:
(a) Hybrid (b) Cybrid (c) Both a & b (d) None of these
- XII** Who were first produced synthetic seed?
(a) Kitto & Janick (b) Kaul & Staba (c) Noguchi (d) Skoog

- XIII The variation in *invitro* culture is known as:
(a) invitro (b) Somaclonal
(c) Mutation (d) All of these
- XIV In which culture pollen grains give rise to haploid embryos?
(a) Ovary Culture (b) Embryo Culture
(c) Pollen Culture (d) Organ culture
- XV Which technique is most appropriate for protoplast fusion?
(a) Electrofusion (b) PEG
(c) High pH-Ca treatment (d) None of these

2. Answer in long (any three) [10×3=30]

- I What is somaclonal variation? Write about its application in crop improvement.
- II Describe the various methods of gene transfer in detail.
- III Discuss in detail about the micro propagation and its applications?
- IV Explain the process of embryogenesis and its application.

3. Answer in short (any six) [5×6=30]

- I Write down the differences between hybrid and cybrid.
- II Explain the biotechnological regulations in shortly.
- III Describe marker assisted selection for crop improvement in briefly.
- IV What is the synthetic seed? Define it briefly.
- V Give a short note on cryo-preservation.
- VI Write the somatic hybrids applications in crop improvement.
- VII Describe the types and applications of DNA markers.
- VIII What is the advantage and disadvantage of RDT?

Enrollment No.

Program Name: B.Sc. (Ag)

IV Semester / II Year Examination

Subject Code : AG- 408

Subject Name: Entrepreneurship Development And Business
Communication

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

I. Multiple Choice Questions (MCQs) [01×15=15]

1. PMEGP was launched inYear
a. 2008 b. 2009 c. 2010 d. 2011
2. Rajiv Gandhi Udyami Mitra Yojana was started in theYear
a. 2002 b. 2008 c. 2005 d. 2006
3. Which of the following SWOT elements are internal factors for a business
a. Strengths and Weaknesses b. Opportunities and Threats
c. Strengths and Opportunities d. Weaknesses and Threats
4. Which of the following could be a strength
a. Weather b. A new international market
c. A price that is too high d. The location of a business
5. Which of the following could be a weakness?
a. A developing market such as the Internet
b. Competitors with access to better channels of distribution
c. Poor quality of goods and services
d. Special marketing expertise
6. NIESBUD was set u in theYear
a. 1983 b. 1982 c. 1981 d. 1884
7. Indian Institute of Entrepreneurship located at
a. Guwahati b. New Delhi c. Ludhiana d. Karnal
8. Small Industries Development Organizations was developed inYear
a. 1972 b. 1973 c. 1974 d. 1975
9. SIDBI was set up in theYear
a. 1990 b. 1991 c. 1992 d. 1993
10. CGTMSE Scheme was launched inYear
a. 2000 b. 2002 c. 2004 d. 2005
11. The word 'entrepreneur' has been derived fromword
a. French b. Latin c. German d. None of Above
12. National Institute of Small Industry Extension Training located at
a. Hyderabad b. Maharashtra c. U.P d. M.P

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2. **Answer in long (any three)** [10×3=30]
 - I Discuss about the different functions of entrepreneurs.
 - II What are the different characteristics entrepreneurs? Explain in brief.
 - III Describe the scope of entrepreneurship development in agriculture.
 - IV Explain the different phases of entrepreneurship in detail.
3. **Answer in short (any Six)** [6x5=30]
 - I Define communication in brief.
 - II Discuss about the contract farming in brief.
 - III Describe the advantages and disadvantages of leaderships in brief.
 - IV Explain the difference between entrepreneur and manager.
 - V Write about the SWOT analysis.
 - VI Discuss about the PMEGP in brief.
 - VII Explain briefly about RGUMY in brief.

06/05/2029

Program Name B.Sc. Agriculture
IV Semester / 2nd Year Examination
Subject Code- AG-401

Subject Name: Crop Production Technology-II (Rabi Crops)

[Time: 03:00 Hours]

[Max. Marks :75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)

[01×15=15]

- I** What is the test weight of wheat grain?
A. 40g B. 30g C. 10g D. 50g
- II** Tillering stage:
A. 80-85 DAS. B. 21-22 DAS.
C. 40-45 DAS. D. 105-110 DAS.
- III** Milking stage:
A. 80-85 DAS. B. 21-22 DAS.
C. 105-110 DAS. D. 100-105 DAS.
- IV** Pea fruit is known as –
A. shell B. shaft C. pod D. seed
- V** Flower colour of field peas –
A. yellow B. orange C. purple D. white
- VI** What is the full form CRI?
A. Crown Rot Initiation B. Crown Rust Initiation
C. Crown Root Initiation D. None of the above.
- VII** CRI stage:
A. 80-85 DAS. B. 21-22 DAS. C. 40-45 DAS. D. 105-110 DAS.
- VIII** Flowering stage:
A. 80-85 DAS. B. 21-22 DAS.
C. 40-45 DAS. D. 105-110 DAS.
- IX** What family does barley belong to
A. Umbelliferae B. Polygonaceae C. Gramineae D. Solanaceae
- X** Dough stage:
A. 80-85 DAS. B. 21-22 DAS.
C. 105-110 DAS. D. 100-105 DAS
- XI** Pea, is commonly known as
A. Matar B. Arhar. C. Pea D. cotton

[1]

P.T.O.

- XII Centre of origin of pea is _____
A. Mediterranean B. America C. W.bengal D. None
- XIII Botanical name of oat
A. *Avena sativa* B. *Arachis hypogaea*
C. *Sesamum indicum* D. None
- XIV Optimum temperature for sowing of oat is _____
A. 15-20°C B. 20-30°C C. 30-40°C D. 50-60°C
- XV The recommended seed rate for oat is _____ kg/ha
A. 100 B. 50 C. 70 D. None

2. Answer in long (any three) [10×3=30]

- I Describe the cultivation of crop Sugarcane.
- II Discuss in brief the lentil crop cultivation.
- III Describe the cultivation Of Berseem crop.
- IV Explain the cultivation of chickpea crop.

3. Answer in short (any six) [5×6=30]

- I List the different varieties of Wheat, Chickpea, Oat.
- II Differentiate between garden pea and field pea?
- III Explain the irrigation schedule of wheat.
- IV Discuss the climatic requirement, soil, seed sowing and manuring in Sunflower.
- V Write the Name of weeds found in wheat and barley. Explain the ways to control the weed in these crops.
- VI Write down the five Pulses crop with Botanical name & family.
- VII List the Five Oilseed crop with Botanical Name & Family.

Enrollment No.

Program Name-B.Sc. Agriculture
IV Semester / II Year Examination
Subject Code -AG-407
Subject Name -Production Technology for Ornamental Crops,
MAP, Landscaping

[Time : 03:00 Hours]

[Max. Marks : 75]

- Note : 1. Attempt all the questions as per given instructions.**
2. Fill the correct answer of MCQs

- 1. Multiple Choice Questions (MCQs) [01×15=15]**
- I The family of cut rose is....**
 (a) Rosaceae (b) Compositae
 (c) Asteraceae (d) None of these
- II In informal garden, lines are...**
 (a) Straight (b) Zigzag (c) Curvy (d) Absent
- III National flower of India is.....**
 (a) Chrysanthemum (b) Rose (c) Lotus (d) Carnation
- IV Prajwal is the variety of.....**
 (a) Chrysanthemum (b) Tuberose (c) Lilium (d) Carnation
- V White Star is the cultivar of.....**
 (a) Chrysanthemum (b) Rose (c) Gladiolus (d) Carnation
- VI Yellow Star is the cultivar of.....**
 (a) Chrysanthemum (b) Rose (c) Gladiolus (d) Carnation
- VII Red carvette is the variety of.....**
 (a) Chrysanthemum (b) Rose (c) Gladiolus (d) Carnation
- VIII Shringar is the variety of tuberose released from.....**
 (a) IIHR (b) IARI (c) NDRI (d) IVRI
- IX Rajat rekha is the variety of tuberose released from.....**
 (a) IIHR (b) IARI (c) NDRI (d) NBRI
- X Pusa Komal is the variety of rose released from.....**
 (a) IIHR (b) IARI (c) NDRI (d) CPRI
- XI Arkakrishika is the variety of gerbera released from.....**
 (a) IIHR (b) IARI (c) NDRI (d) CPRI

- XII Gulkand is prepared from.....**
(a) Chrysanthemum (b) Rose (c) Gladiolus (d) Carnation
- XIII Potpourri is prepared from.....**
(a) Chrysanthemum (b) Rose (c) Gladiolus (d) Carnation
- XIV Rose garden is situated at.....**
(a) Chandigarh (b) Delhi (c) Karnataka (d) Rajasthan
- XV Amrit Udyan garden is situated at.....**
(a) Chandigarh (b) Delhi (c) Karnataka (d) Rajasthan

2. Answer in long (any three) [10×3=30]

- I** What is style of gardening and also discuss different type of style of gardening in detail with their suitable example?
- II** Write down the basic principles of landscaping in detail?
- III** Write down the protected cultivation of tuberose in detail?
- IV** Write down the insect management in chrysanthemum?

3. Answer in short (any six) [5×6=30]

- I** What is landscaping and also write their importance of it's?
- II** Difference between cut and loose flowers with examples?
- III** Write down the importance and scope of ornamental crops?
- IV** Write down the importance and scope of aromatic plants?
- V** What is edge and also discuss the importance of it's?
- VI** Write any five flowers botanical name with their family?
- VII** What is importance of staking in chrysanthemum cultivation?
- VIII** Write down the name of any five important cultivar of chrysanthemum?

15/05/2024

Printing Pages : 2

Paper Code: AG-406

A (SVSU:2023-24/R)

Enrollment No.

Program Name: B.Sc Agriculture

4th Semester / 2nd Year Examination

Subject Code: AG-406

Subject Name: Renewable Energy and Green technology

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

I. Multiple Choice Questions (MCQs) [01×15=15]

- I** Renewable energy sources also called.....?
(A) Conventional Energy (B) Non conventional energy
(C) Both a and B (D) Contamination
- II** Solar energy can be utilized through two different routes?
(a) Solar thermal route (b) Solar electric routes
(c) Both a and b (B) Air routes
- III** Which of the following types of biogas plants?
(a) The fixed- dome types (b) The floating gas holder type
(c) Fire box dome (d) Both a and b
- IV** Which of the following part of solar water pump?
(a) Pump (b) Solar collector
(b) Both a and b (d) None of these
- V** Formula of methane gas?
(a) CH₃ (b) CH₆ (c) CH₄ (d) CH₄
- VI** Solar dryer used in agriculture sector?
(A) Used to dry fruits, vegetables and crops
(B) For preparation of Curd
(C) For irrigation
(D) all of these
- VII** Which of the following is a greenhouse gas?
(A) Methane (B) Water vapor (C) Carbon dioxide (D) All of the above
- VIII** What is the percentage of carbon dioxide in the atmosphere?
(A) 0.03% (B) 0.003% (C) 3.00% (D) 30.03%
- IX** Raw materials used for biogas production?
(A) Cow dung (B) Sulphur dioxide (C) Water hyacinth (D) Both a and C
- X** Most of the energy used on earth today originally came from which of these sources?
a) The sun b) The Moon c) Oceans d) Soil

- XI** The major non-renewable energy usage in India is _____
a) Coal b) Petroleum and other liquids c) Natural gas d) Nuclear
- XII** Which one of the following movement was carried out for the conservation of forests and the environment?
(a) Forest movement (b) Ganaga Action Plan
(c) Tehri Andolan (d) Chipko Andolan
- XIII** This is an example of non-polluting renewable type of energy
(a) tidal (b) wind
(c) solar (d) all of these
- XIV** Which of these elements is considered to be the largest source of commercial energy consumption in the world?
(a) Nuclear (b) Natural gas
(c) Oil (d) Coal
- XV** Which two forms of alcohol do we include in biofuels?
(a) Methanol and Ethanol (b) Propanol and Ethanol
(c) Propanol and Methanol (d) None of the above

2. Answer in long (any three) [10×3=30]

- I** Describe the Types Gasfier.
- II** Define Solar energy? Discuss the Solar water heater in details.
- III** Explain the Solar light system with the help of diagram
- IV** Explain the solar Dryer with diagram?

3. Answer in short (any six) [5×6=30]

- I** Describe the advantage of solar pumping system?
- II** What is nitrogen cycle? Explain it.
- III** Define the following terms?
(a) Green technology (b) Solar Radiation
- IV** What do you mean Biofuels? Explain it.
- V** Write short solar water heater?
- VI** Write down the application of solar energy?

Printing Pages : 2

Paper Code: AG-408

A (SVSU:2023-24/P)

Enrollment No.

Program Name: B.Sc. (Ag)

IV Semester / II Year Examination

Subject CodeAG- 408

Subject Name: Entrepreneurship Development And Business
Communication

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

I. Multiple Choice Questions (MCQs)**[01×15=15]**

1. PMEGP was launched inYear
a. 2008 b. 2009 c. 2010 d. 2011
2. Rajiv Gandhi Udyami Mitra Yojana was started in theYear
a. 2002 b. 2008 c. 2005 d. 2006
3. Which of the following SWOT elements are internal factors for a business
a. Strengths and Weaknesses b. Opportunities and Threats
c. Strengths and Opportunities d. Weaknesses and Threats
4. Which of the following could be a strength
a. Weather b. A new international market
c. A price that is too high d. The location of a business
5. Which of the following could be a weakness?
a. A developing market such as the Internet
b. Competitors with access to better channels of distribution
c. Poor quality of goods and services
d. Special marketing expertise
6. NIESBUD was set u in theYear
a. 1983 b. 1982 c. 1981 d. 1884
7. Indian Institute of Entrepreneurship located at
a. Guwahati b. New Delhi c. Ludhiana d. Karnal
8. Small Industries Development Organizations was developed inYear
a. 1972 b. 1973 c. 1974 d. 1975
9. SIDBI was set up in theYear
a. 1990 b. 1991 c. 1992 d. 1993
10. CGTMSE Scheme was launched inYear
a. 2000 b. 2002 c. 2004 d. 2005
11. The word 'entrepreneur' has been derived fromword
a. French b. Latin c. German d. None of Above
12. National Institute of Small Industry Extension Training located at
a. Hyderabad b. Maharashtra c. U.P d. M.P

13. IIE has been transferred to the Ministry of Skill Development & Entrepreneurship inYear

- a. 2015 b. 2021 c. 2019 d. 2018

14. NEDB set up inYear

- a. 1983 b. 1985 c. 1986 d. 1981

15. PMRY scheme was launched inYear

- a. 1993 b. 1991 c. 1992 d. 1994

2. Answer in long (any three)

[10×3=30]

- I Discuss about the different functions of entrepreneurs.
- II What are the different characteristics entrepreneurs? Explain in brief.
- III Describe the scope of entrepreneurship development in agriculture.
- IV Explain the different phases of entrepreneurship in detail.

3. Answer in short (any Six)

[6×5=30]

- I Define communication in brief.
- II Discuss about the contract farming in brief.
- III Describe the advantages and disadvantages of leaderships in brief.
- IV Explain the difference between entrepreneur and manager.
- V Write about the SWOT analysis.
- VI Discuss about the PMEGP in brief.
- VII Explain briefly about RGUMY in brief.

Note : 1. Attempt all the questions as per given instructions.

2. Fill the correct answer of MCQs

1. Multiple Choice Questions (MCQs)

[01×15=15]

I According to number to cotyledons seed are

A. Two Types B. Three Types C. Four Types D. Six Types

II Reason of seed Dispersal is

A. Wind B. Animal C. Water D. All of Above

III At the time of storage safe moisture content should be

A. 10-12% B. 6-8% C. 14-16% D. None of Above

IV ICAR located at

A. New Delhi B. Jaipur C. Ludhiana D. None of Above

V Full form of SRR

A. Seed Replacement Rate B. Seed Replace Rate
C. Seed Return Rate D. All are incorrect

VI Full form of ADSC:

A. Assistant Director Seed Certification
B. Associate Director Seed Certification
C. Assistant District Seed Certification
D. None of Above

VII Full form of STL

A. Seed Testing Laboratory B. Seeds Testing Laboratory
C. Seed Test Laboratory D. None of Above

VIII Seed Control Order launched inYear

A. 1983 B. 1982 C. 1988 D. 1986

IX Full form of MSP

A. Minimum Support Price B. Maximum Support Price
C. Minor Support Price D. None of Above

X Full form of CSC

A. Central Seed Committee B. Central Seed Commission
C. Control Seed Committee D. None of Above

- XI Full Form of NSC
A. National Seed Corporation B. National Seed Cooperation
C. National Seeds Cooperation D. None of Above
- XII Full form of SSC
A. State Seed Cooperation B. State Seed Corporation
C. State Seed Certification D. None of Above
- XIII Who was the father of Seed Technology.....
A. Badrinarayan Barwale B. S.K. Day
C. F.L. Brayne D. None of Above
- XIV Full Form of HYVP
A. High Yield Variety Program
B. High Yielding Variety Program
C. Higher Yield Variety Program
D. None of Above
- XV Who is the DG of ICAR
A. Dr. Shyam Narayan Jha B. Dr. Himanshu Pathak
C. Dr. Narendra Singh Rathore D. Dr. M.S. Swaminathan

2. Answer in long (any three) [10×3=30]

- I Describe basic flow diagram sowing essential steps in seed processing .
- II Define the seed marketing and their structure in brief
- III Define the mixing and non mixing baffle dryer with neat and clean diagram
- IV Describe the drying and its different methods.

3. Answer in short (any six) [5×6=30]

- I Define physical and Physiological characteristics of good quality seeds.
- II Explain the nuclear, Breeder, Foundation and Certified seed with the help of flow chart.
- III Explain the duty and power of seed Inspector.
- IV What is the Goal of Seed Technology?
- V Define the different parts of seed with neat and clean diagram.
- VI Define the different marketing promotional activities?
- VII Define the different factors which affect the seed during storage.