

Navsari Agricultural University, Navsari

First Semester Diploma in Horticulture (Regular) End Examination

SSC.1.1: Communication Skills and Personality Development

Date: 04/01/2018

Time: 14.00 to 16.00

Day: Thursday

Marks: 40

Q-1: Write an Essay of about 250 words on any one of the following topics: 6.0

- 1) Should the Internet be censored?
- 2) How can English be useful in career development?
- 3) The movie you like the most.
- 4) The Celebration of 26th January- the Republic Day.

Q-2: Read the following passage carefully and answer the questions given below it in one or two sentences. Give this passage a title. 6.0

Think of a poor man and his family keeping themselves on the crops they can raise from a field. The land is theirs own, but it is dry, and they have to work hard to get a bare living. If they had a well, the field would grow more grain with less trouble. They would have more to eat and more to sell, and with the extra money they might buy some fertilizers and make the land still better. With the time saved from carrying water long distances, some of them might go in for weaving, or some other cottage industry: then they could not only clothe themselves better but add a little to the family income. If only they had a well.

The man decides to have that well. But digging a well is hard work. The family decides to work hard to save money on clothes and food. They also decide to borrow some money to buy a few good tools and hire one labourer to help them for a short time. The family knows with the extra crops they are able to grow, it will take them six months to pay off the debt. And after that, if they go on working hard, they will find themselves a little better off at every successive harvest.

Questions:

- 1) Why in spite of hard work, do many farmers just get a bare living?
- 2) What are the four advantages of having a well?
- 3) Why is it difficult to dig a well?
- 4) How will the family pay off the debt?
- 5) Write a short paragraph on the importance of irrigation in India.

Q-3: Write a Letter to your friend, describing your experiences at college and hostel life during the first semester. 6.0

OR

Write an application in response to the following advertisement:

Applications are invited for the posts of Agricultural Assistants. Candidates should be Diploma in Horticulture with at least two years' experience. Apply within 15 days to the Principal, College of Polytechnic in Horticulture, NAU, Navsari

(PTO)

Q-4: Fill in the blanks with the correct verb form of tenses from those in 5.0 brackets.

- 1) This paper ___ twice weekly. (*is appearing/ appearing/ appears*)
- 2) I ___ Horticulture for two years. (*study/ am studying/ have been studying*)
- 3) Raju ___ the southindian super star Rajnikant yesterday. (*see/ have seen/ saw*)
- 4) She jumped off the train while it ___. (*moved/ had moved/ was moving*)
- 5) Unless we ___ now we can't be on time. (*start/ will start/ starts*)
- 6) Let's get into the bus. It ___ leave. (*will leave/ is going to*)
- 7) When ___ my dinner I went to bed. (*had/ have had/ had had*)
- 8) You _____ the kite. (*are flying/ fly/ flying*)
- 9) I _____ home yesterday. (*walk/walking/walked*)
- 10) This book is not long. I ___ it by lunch time. (*will be reading/ will have read*)

Q-5: Fill in the blanks with the appropriate words given in brackets: 5.0

- 1) Navsari is situated on the bank of _____ Purna. (*a, an, the*)
- 2) There is a book _____ the table. (*on, above, over*)
- 3) You may look at him _____ don't look too long. (*and, but, or*)
- 4) Is there _____ milk in the cup? (*some, any, more*)
- 5) _____ of the students wears the uniform. (*Each, Every, All*)
- 6) How _____ amount is required by you? (*many, much, some*)
- 7) Do you have _____ 'English essay-book'? (*any, some, many*)
- 8) Those boys are reading _____ books. (*there, their, theirs*)
- 9) _____ broke this glass? (*who, whom, whose*)
- 10) _____ is your problem? (*what, as, that*)

Q-6: Translate the following paragraph into Gujarati: 6.0

There is a republic library in every town in Great Britain. There are branch libraries in most villages. Any one may become a member, and it costs nothing to borrow books. Three books may be borrowed at a time, but only two may be novels. If there are four members in the family, they can, between them, take home twelve books. These books can be kept for a fortnight, so there is no difficulty in providing the family with all the reading that is needed.

Q-7: Answer the following questions in short: 6.0

- 1) Why should we learn grammar?
- 2) What is an 'Essay Writing'?
- 3) Write two uses of the Simple Present Tense.
- 4) Write three sentences using the Simple Past Tense.
- 5) How many Articles are there in English?
- 6) Write two uses of the Simple Future Tense.

Agricultural Universities of Gujarat

Anand / Junagadh / Navsari / S.K. Nagar

First Semester B.Sc.(Hons) Horticulture End Examination (Regular)

SSC 1.1: Information and Communication Technology (1+1)

Dt : 22-1-2018

Time : 9.30 to 11.30 hrs

Monday

Marks : 50

Q1 Answer any ten.

10.0

1. Explain the Dot Matrix Printer.
2. Write about the CD.
3. Write about the mainframe computer.
4. What is translator program?
5. Explain analog computer.
6. Enlist two shortcut keys with its function.
7. Define computer.
8. Brief character representation or encoding techniques.
9. Write all the digits used in Hexadecimal number system.
10. Explain flowchart.
11. What is website?
12. Write in short for Android operating system.

Q2A Answer any three.

7.5

1. Draw the basic structure of computer system and write for control unit and ALU.
2. Write short note on MS Excel formula and functions ($\frac{1}{2}$).
3. Write benefits of MS PowerPoint presentation software.
4. Describe how the online application websites and mobile apps (applications) are helpful to the farmers.

Q2B Write appropriate option (a, b, c or d) from given choices (Write in answer book).

5.0

1. 1 MB = _____.
a. 2^{20} bytes
b. $1024 * 1024$ bytes
c. 1024 KB
d. all of above
2. _____ is output device.
a. Printer
b. Barcode reader
c. MICR
d. Scanner
3. _____ is the super computer developed by CDAC, Pune.
a. Laptop
b. ENIAC
c. PARAM
d. Analytical Engine
4. A combination of digital and analog computer is known as _____ computer.
a. micro
b. mainframe
c. mini
d. hybrid
5. RAM stands for _____.
a. Random Access Material
b. Ready Access Memory
c. Random Access Memory
d. Read Access Memory
6. First commercially available computer was _____.
a. ENIAC
b. Analytical Engine
c. UNIVAC
d. EDVAC
7. The octal number $(7)_8$ is _____ in binary number system.
a. $(111)_2$
b. $(11)_2$
c. $(101)_2$
d. $(110)_2$

8. B2:E8 range in MS Excel sheet contains _____ cells.
 - a. 18
 - b. 21
 - c. 28
 - d. 24
9. Which of the following is not a version of MS Windows?
 - a. MS Windows 6
 - b. MS Windows 7
 - c. MS Windows 8
 - d. MS Windows 10
10. _____ is/are model/s of E-commerce?
 - a. B2B
 - b. B2C
 - c. B2G
 - d. All of above

Q3A Answer any three.

7.5

1. Describe second and third generations of computer.
2. What is font? Write about the "Font" group commands/tools of HOME tab in MS Word.
3. Write advantages and disadvantages of Email.
4. Write in details for "Table and its tools" of INSERT tab of MS Word.

Q3B Match A and B group and write answer pair (Write in answer book, for example, 2→M). 5.0

- | A group | B group |
|----------------------|----------------------------|
| 1. MS Office | A. Artificial intelligence |
| 2. Linux | B. AutoSum |
| 3. Virus | C. Vacuum tubes |
| 4. Σ | D. Application software |
| 5. \times | E. Operating System |
| 6. Fifth generation | F. Quick Heal |
| 7. HTML | G. Idea of Stored Program |
| 8. First generation | H. Cut |
| 9. Joystick | I. Create Webpage |
| 10. John Von Neumann | J. Input device |

Q4A Write any two short notes.

10.0

1. Secondary memories and its devices.
2. Characteristics of computer
3. Charts in MS Excel

Q4B State whether following are true (T) or false (F) (Write in answer book).

5.0

1. Binary number $(1000)_2$ is $(9)_{10}$ in decimal number system.
2. LAN stands for Limited Area Network.
3. X_2 is an example of subscript in MS Word.
4. Tool \equiv is used for left alignment.
5. IPO cycle stands for Input Program Output cycle.
6. ".doc" or ".docx" are file name extension in MS Excel.
7. "IFFCO Kisan" is a mobile app for farmers.
8. Primary memory is also known as main memory.
9. Combine the selected cells as single cell is known as Merge Cells.
10. Animations and transitions are the tools used in MS PowerPoint.

AGRICULTURAL UNIVERSITY OF GUJARAT
ANAND / JUNAGADH/ NAVSARI/ SARDARKRUSHINAGAR

First Semester (Regular) B. Sc. (Hons.) Horti. End Examination January 2018
SSC 1.2: Economics and Marketing (2+1)

Date: 23/01/2018

Time: 9.30 to 11.30

Day: Tuesday

Marks: 50.00

Q.1 Fill in the blank by using appropriate word given in the bracket. (5.00)

1. _____ is known as father of economics.
(Adam Smith, J.M. Keynes, Alfred Marshall)
2. A rise in the market price, _____ the consumer's surplus.
(Increases, Reduces, Constant)
3. When Total Utility reaches maximum, Marginal Utility reaches _____.
(maximum, minimum, zero)
4. _____ means more demanded at lower price.
(Extension of demand, Contraction of demand, Increase of demand)
5. Even a big change in price results in only a small change or no change in demand is called _____ demand.
(Elastic, Inelastic, Constant)
6. _____ is the additional quantity of output, added by an additional unit of input.
(Average product, Marginal product, Total product)
7. The law of _____ returns operates widely in agriculture.
(Increasing, Constant, Decreasing)
8. The classical production function or three zones of production function is also called as _____ relationship.
(Factor-factor, Factor-product, Product-product)
9. Product differentiation is the feature of _____ market.
(Perfect competition, Monopolistic competition, Oligopoly)
10. _____ law states that as income rises, the proportion of income spent on food falls, even if actual expenditure on food rises.
(Demand, Supply, Engel's)

Q.2 State whether the following statement are true or false. (5.00)

1. The horizontal straight line shows infinite or perfectly elastic demand.
2. Generally, the supply curve slopes downwards from left to right.
3. Storage function adds time utility.
4. Zone-III also called as double loss zone.
5. Agricultural input's market in India is broadly a case of Monopoly.

(PTO)

Q.3 Match the following. (5.00)

Group A

- 1) Micro economics
- 2) Unitary elastic demand
- 3) Free good
- 4) Market price
- 5) Variable cost

Group B

- a) $E_p = 1$
- b) Equilibrium price
- c) Growth theory
- d) Air
- e) Price theory
- f) Fertilizer

Q.4 (A) What is demand? Explain the law of demand with the help of table and diagram. (4.00)

(B) Define market. Write the classification of market in detail. (5.00)

Q.5 What is production function? Explain three zones of production function with graph. (6.00)

Q.6 (A) Answer in brief as directed (Any five) (5.00)

- i. Give the classification of human wants.
- ii. Marketing channel for fruits and vegetables.
- iii. Give the characteristics or properties of indifference curve.
- iv. Why demand curve slopes downward?
- v. Enlist the marketing functions.
- vi. Give the relationship between AVC, AFC, ATC & MC.

(B) Differentiate the following. (Any Two) (6.00)

1. Micro economics and Macro economics
2. Demand and Supply
3. Perfect competition and Monopoly

Q.7 Write short notes (Any three) (9.00)

- i. Degree of elasticity of demand
- ii. Factor of production
- iii. Imperfect market
- iv. Least cost combination
- v. Consumer's surplus
