

2121
Bachelor of Computer Application
First Semester
BCA-16-101: English (Compulsory)

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt all questions. Attempt parts of a question together.

x-x-x

Section- A

Q. I. Draw a character sketch of the narrator of the story, "The Tell-Tale Heart", written by Edgar Allan Poe.

OR

Summarise in your own words the story, "The Model Millionaire" written by Oscar Wilde. 10

Q.II. How does Mahatma Gandhi emphasise the importance of prayer in your life?

OR

Describe the environment in which Jawaharlal Lal Nehru was brought up as a child. 10

Q. III (a) Give the summary of the poem: - 5

Lord Ullin's Daughter

OR

Lucy

(b) Answer any two of the following questions: 5

1. Where does William Cowper find a welcome guest in his poem, "On the receipt of my Mother's Picture"?

2. Describe the well-known truth about human life as explained by John Dryden in his poem, "When I consider Life".

3. What is the central idea of the poem, "Sigh no more Ladies?"

(c) Explain with reference to the context:- 5

But peaceful was the night
Wherein the Prince of Light
His reign of peace upon the earth began:
The winds with wonder whist,
Smoothly the waters kist,
Whispering new joys to the mild Ocean,
Who now hath quite forgot to rave,
While birds of calm sit brooding on the charmed wave.

OR

My mother! When I learn'd that thou wast dead,
Say, wast thou conscious of the tears I shed?

Hover'd thy spirit o'er thy sorrowing son,
Wretch even then, life's journey just begun?

(2)

Section- B

- Q. IV Change the form of any five of the following words as instructed and use the changed form in sentences of your own:- 10
Guide (noun), Inquiry (verb), Book (adjective), Judge (adjective)
Utility (verb), Reveal (noun), glamour (adverb), patient (adverb)
- Q.V Use any five of the following in sentences of your own: - 10
Welled up, Dreadfully, De la part de, Obligatory, Snuggle up to,
embodiment, Abundant, Vigorous
- Q. VI Translate the following passage into English: - 5

ਜੇ ਤੁਸੀਂ ਮਿਹਨਤ ਨਹੀਂ ਕਰੋਗੇ ਤਾਂ ਕੋਈ ਵੀ ਤੁਹਾਡੇ ਨਾਲ ਖੁਸ਼ ਨਹੀਂ ਹੋਵੇਗਾ। ਲੋਕ ਤੁਹਾਨੂੰ ਅਣਡਿੱਠਾ¹ ਕਰਨਗੇ ਅਤੇ ਦੂਰ ਰਹਿਣਗੇ। ਤੁਸੀਂ ਨਾ ਧਨ ਕਮਾਉਂਗੇ ਅਤੇ ਨਾ ਹੀ ਸੁੱਖਮਈ ਜੀਵਨ ਬਤੀਤ ਕਰੋਗੇ। ਤੁਹਾਨੂੰ ਹਰ ਚੀਜ਼ ਆਪਣੀ ਪਹੰਚ ਤੋਂ ਪਰ੍ਹੇ² ਲੱਗੇਗੀ। ਕੋਈ ਤੁਹਾਡੀ ਇੱਜਤ³ ਨਹੀਂ ਕਰੇਗਾ। ਜੇ ਤੁਸੀਂ ਆਪਣੇ ਕਿਸੇ ਰਿਸ਼ਤੇਦਾਰ ਜਾਂ ਮਿੱਤਰ ਨੂੰ ਮਿਲਣ ਜਾਉਂਗੇ ਤਾਂ ਤੁਹਾਡਾ ਸੁਆਗਤ⁴ ਨਹੀਂ ਹੋਵੇਗਾ। ਕਈ ਤੁਹਾਨੂੰ ਅਵਾਰਾਗਰਦ⁵ ਸਮਝਣਗੇ। ਜੇ ਤੁਹਾਨੂੰ ਕੋਈ ਮੁਸਕਿਲ⁶ ਆਈ ਤਾਂ ਕੋਈ ਤੁਹਾਡੀ ਸਹਾਇਤਾ ਤੇ ਨਹੀਂ ਆਵੇਗਾ। ਇੱਥੋਂ ਤਕ ਕਿ ਪਰਮਾਤਮਾ ਵੀ ਉਹਨਾਂ ਦੀ ਹੀ ਮਦਦ ਕਰਦਾ ਹੈ ਜੋ ਖੁਦ ਆਪਣੀ ਮਦਦ ਕਰਦੇ ਹਨ⁷। ਇਕ ਦਿਨ ਤੁਹਾਨੂੰ ਪਛਤਾਵਾ⁸ ਹੋ ਸਕਦਾ ਹੈ, ਪਰ ਉਦੋਂ ਉਸ ਦਾ ਕੋਈ ਫਾਇਦਾ ਨਹੀਂ ਹੋਵੇਗਾ। ਯਾਦ ਰੱਖੋ, ਬੀਤਿਆ ਹੋਇਆ ਸਮਾਂ ਕਦੀ ਵਾਪਸ ਨਹੀਂ ਆਉਂਦਾ⁹। ਇਸ ਲਈ ਅੱਜ ਤੋਂ ਹੀ ਮਿਹਨਤ ਕਰਨੀ ਸ਼ੁਰੂ ਕਰ ਦਿਓ। ਕੰਮ ਪੂਜਾ ਹੈ। ਕੰਮ ਜੀਵਨ ਹੈ। ਕੰਮ ਰੱਬ ਹੈ¹⁰।

ਅਗਰ ਆਪ ਸੋਹਨਤ ਨਹੀਂ ਕਰੋਗੇ ਤੋ ਕੋਈ ਭੀ ਆਪਸੇ ਖੁਸ਼ ਨਹੀਂ ਹੋਗਾ। ਲੋਗ ਆਪਕੀ ਤਪੇਸ਼ਾ¹ ਕਰੋਗੇ ਔਰ ਆਪਸੇ ਦੂਰ ਰਹੋਗੇ। ਆਪ ਨ ਤੋ ਖਨ ਕਮਾ ਪਾਏਗੇ ਔਰ ਨ ਹੀ ਸੁਖਮਯ ਜੀਵਨ ਵਯੀਤ ਕਰ ਸਕੋਗੇ। ਆਪਕੋ ਹਰ ਏਕ ਚੀਜ਼ ਅਪਨੀ ਪਹੁੰਚ ਸੇ ਬਾਹਰ² ਲਗੇਗੀ। ਕੋਈ ਭੀ ਆਪਕਾ ਸਮਮਾਨ³ ਨਹੀਂ ਕਰੇਗਾ। ਅਗਰ ਆਪ ਅਪਨੇ ਕਿਸੀ ਸਮਬੰਧੀ ਯਾ ਮਿਤਰ ਕੇ ਯਹਾਂ ਜਾਏਗੇ ਤੋ ਆਪਕਾ ਸਵਾਗਤ⁴ ਨਹੀਂ ਹੋਗਾ। ਕੁਛ ਤੋ ਆਪਕੋ ਆਕਾਰ⁵ ਸਮਝੋਗੇ। ਜਬ ਆਪ ਮੁਸਕਿਲ⁶ ਮੇਂ ਹੋਗੇ ਤੋ ਕੋਈ ਭੀ ਆਪਕੀ ਸਹਾਯਤਾ ਨਹੀਂ ਕਰੇਗਾ। ਯਹਾਂ ਤਕ ਕਿ ਭਗਵਾਨ ਭੀ ਤਨਕੀ ਮਦਦ ਕਰਤਾ ਹੈ ਜੋ ਅਪਨੀ ਮਦਦ ਸਵਯੰ ਕਰਤੇ ਹੈ⁷। ਏਕ ਦਿਨ ਆਪ ਪੜਚਾਤਾਪ⁸ ਕਰੋਗੇ ਪਰ ਤਬ ਇਸਕਾ ਕੋਈ ਲਾਭ ਨਹੀਂ ਹੋਗਾ। ਯਾਦ ਰਖੋ, ਏਕ ਬਾਰ ਹਾਥ ਸੇ ਸਮਯ ਨਿਕਲਾ ਫਿਰ ਵਾਪਿਸ ਨਹੀਂ ਆਤਾ⁹। ਇਸਲਿਏ ਆਜ ਸੇ ਹੀ ਪਰਿਸ਼ਰਮ ਕਰਨਾ ਸ਼ੁਰੂ ਕਰ ਦੋ। ਕਾਮ ਜੀਵਨ ਹੈ। ਕਾਮ ਭਗਵਾਨ ਹੈ¹⁰।

OR

For foreign students only----

Paraphrase the following passage:-

My mother bore me in the southern wild,
And I am black, but O! my soul is white;
White as an angel is the English child:
But I am black as if bereav'd of light.

- Q. VII Write an application for the post of a computer teacher in a school.

OR

Write a letter to the Editor of a newspaper suggesting some ways to make Clean India Programme more effective.

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2012
Bachelor of Computer Application
First Semester
BCA-16-102: Fundamentals of Mathematical Statistics

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I-IV.

x-x-x

UNIT - I

- I. a) Why is tabulation of data important? Explain various parts of a table.
b) How are weighted and geometric mean calculated? Exemplify. (7,6)
- II. a) Why is statistical analysis useful? Explain various steps in statistical investigation.
b) How is harmonic mean calculated for discrete and continue series? Explain. (7,6)

UNIT - II

- III. a) Compute median:-

Mid-value	115	125	135	145	155	165	175	185	195
Frequency	4	24	51	71	115	60	32	19	13

- b) How are co-efficient of standard deviation and co-efficient of variation are computed? Explain. (7,6)

- IV. a) Calculate quartile deviation:-

Salary	Less than 35	35 - 37	38 - 40	41 - 43	Over 43
Employees	14	62	99	18	7

- b) How is combined standard deviation calculated? Explain the way of correcting incorrect standard deviation. (7,6)

UNIT - III

- V. a) What is the need of correlation-analysis? Explain the various techniques for calculating correlation.

- b) Calculate Karl Pearson's coefficient of correlation from the following data:-

Roll No.	11	12	13	14	15
Marks 1	49	35	32	20	45
Marks 2	43	23	22	18	47

(7,6)

P.T.O.

(2)

- VI. a) Define correlation. Which are the various techniques for measuring it?
 b) Calculate coefficient of concurrent deviation between supply and demand.

Supply	125	160	164	174	155	170	165	162	172	175
Demand	115	125	192	190	165	174	124	127	152	169

(7,6)

UNIT - IV

- VII. a) Why is regression analysis carried out? Explain its various types.
 b) Obtain the regression equation of Y on X where

X	50	60	50	60	80	50	80	40	70
Y	30	60	40	50	60	30	70	50	60

(7,6)

- VIII. a) Obtain the regression coefficient of Y on X for

X	52	63	45	36	72	65	47	25
Y	62	53	51	25	79	43	60	33

- b) What are the uses and limitations of regression analysis? (7,6)

UNIT - V

- IX. Explain the following:-

- a) Error of estimate (3)
 b) Difference between correlation and regression (2)
 c) Coefficient of variation (2)
 d) Percentile range (2)
 e) Arithmetic mean (2)
 f) Mode (2)

x-x-x

2022
Bachelor of Computer Applications
First Semester
BCA-16-103: Computer Fundamentals and Computing Software

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Attempt the following:-

- a) Define header and footer. (3)
- b) How to create fill-in forms? (2)
- c) What are the different types of memory available? (2)
- d) Differentiate between application software and system software. (2)
- e) Differentiate between bit, byte and word. (2)
- f) Explain the use of Autocorrect feature. (2)

UNIT - I

- II. Describe various input devices of computer system with diagrams and also explain different types of printers? Explain the working of the same. (13)
- III. What do you mean by software and hardware? Explain and compare various types of software. (13)

UNIT - II

- IV. Explain the following DOS commands with proper syntax and example: PATH, REN, TYPE, DIR, COPY, XCOPY, FIND, FORMAT, ATTRIB, CHKDSK, SYS, TREE, SCANDISK, and CD. (13)
- V. What do you understand by Anatomy of windows? Also explain special features also. (13)

P.T.O.

(2)

UNIT - III

- VI. Explain important features of any word processor and how a document is mail-merged explain with suitable examples. (13)
- VII. What do you mean by word processor? Write a step-by-step procedure to do each of the following activities using Word Processing software: (i) Replacing text (ii) To check the spelling mistakes (iii) Mail-Merge (iv) Inserting table. (13)

UNIT - IV

- VIII. What do you mean by conditional formatting? Explain the steps to sort the records using conditional formatting in spread sheet package. (13)
- IX. Write step-by-step procedure to create a simple presentation using the PowerPoint package whose slides include a title page (slide), a figure, bulleted text, a bar-graph and an organization chart by choosing appropriate data on your own. (13)

x-x-x