



27124

I Semester B.C.A. Degree Examination, November/December 2016

COMPUTER SCIENCE

Accountancy – I (New)

Time : 3 Hours

Max. Marks : 80

A. Answer **any eight** from the following :

(8×2=16)

- 1) Define Accountancy.
- 2) What is Capital ?
- 3) Who is a Debtor ?
- 4) What is Journalisation ?
- 5) What is Contra Entries ?
- 6) Write a Journal Entry for goods withdrawn for personal use.
- 7) Why Bank Reconciliations statement is prepared ?
- 8) What is Bill of Exchange ?
- 9) Give two example of expenses.
- 10) What is Final Account ?

B. Answer **any four** of the following :

(4×8=32)

11) Prepare Mr. Rajendra's Personal Account.

2016

- | | |
|----------|---------------------------------------|
| April 01 | Sold goods to Mr. Rajendra Rs. 8,000 |
| " 05 | Received from him Rs. 6,000 |
| " 22 | Paid to him Rs. 6,000 |
| " 24 | Sold goods to him on credit Rs. 2,000 |
| " 25 | He returned goods to us Rs. 300 |

P.T.O.



- 12) Explain the different types of Subsidiary Book.
- 13) Prepare the Trial Balance from the following balances :

	Rs.
Capital	60,000
Creditors	20,000
Machinery	27,000
Debtors	20,000
Sales	70,000
Purchase	62,000
Wages	5,000
Cash in hand	36,000
Opening stock	30,000
Interest Received	10,000
Bank over draft	20,000

- 14) Prepare proper subsidiary book :

2016

- June 01 Purchased goods from Mr. Suryavamshi Rs. 8,000
- " 09 Sold to Mr. Kiran Rs. 4,500 an account
- " 15 Purchased from Mr. Rayanna Rs. 4,000 on account
- " 26 Sold to Mr. Dinesh Rs. 3,500
- " 30 Cash purchase Rs. 4,000

- 15) On 1st September 2015, Blue drew a Bill for Rs. 3,000 on white for three months. The bill was accepted by white on 4th November 2015, the payment of the bill was made at a rebate of 6% p.a. Pass the Journal entries in the books of both the parties.



C. Answer **any two** of the following :

(2×16=32)

16) Explain briefly the concepts and conventions of accounting.

17) Journalise the following transactions in the books of Ms. Rutvi :
2015

Feb. 01	Commenced business with cash	1,75,000
	and with buildings	2,50,000
" 03	Cash paid into bank	50,000
" 05	Goods purchased for cash	30,000
" 07	Cash sales	50,000
" 10	Received cheque from Ranga	48,000
	and allowed discount	2,000
" 15	Paid to Ramya	24,000
	and discount received	1,000
" 18	Salary paid by cheque	48,000
" 23	Interest Received	5,000
" 25	Ranga's cheques paid into Bank	48,000
" 28	Withdrawn from bank for personal use	8,000

18) Prepare Final Account of Mr. Adithya as on 31-3-15 :

Drawings	15,000	Capital	50,000
Purchases	40,000	Sales	70,000
Returns inwards	2,000	Returns outwards	3,000
Wages	4,000	Creditors	10,000
Salaries	8,000	Bills payable	4,000
Debtors	12,000		
Bills receivable	5,000		
Furniture	15,000		
Opening stock	13,000		
General Expenses	3,000		
Insurance	1,000		
Cash	19,000		
	1,37,000		1,37,000

Adjustments :

- Closing stock Rs. 20,000
- Insurance prepaid Rs. 200
- Provide for doubtful debts at 5%
- Depreciate furniture by 10% p.a.



B1610220

50102

I Semester B.Sc./B.C.A./B.Sc. (GMT)/B.H.M. Examination, Nov./Dec. 2016

KANNADA – I (Basic) (New)

(ಆಧುನಿಕ ಕವಿತೆಗಳ ಮಾಲೆ ಮತ್ತು ಆಯ್ದ ಸಣ್ಣ ಕಥೆಗಳ ಸಂಗ್ರಹ)

ಸಮಯ : 3 ಗಂಟೆಗಳು

ಗರಿಷ್ಠಾಂಕಗಳು : 80

- I. 1) 'ಪ್ರೊ. ಶ್ರೀಯವರ 'ಕಾರಿ ಹೆಗ್ಗಡೆಯ ಮಗಳು', ಜಿ. ಎಸ್. ಶಿವರುದ್ರಪ್ಪನವರ 'ಜಡೆ', ಮಲ್ಲಿಕಾರ್ಜುನಯವರ 'ರೊಟ್ಟಿ ಮತ್ತು ಹುಡುಗಿ' - ಕವನಗಳು ಸ್ವಲ್ಪದ ವಿವಿಧ ಮುಖಗಳನ್ನು ಅಭಿವ್ಯಕ್ತಿಸಿವೆ ವಿವರಿಸಿರಿ.

15

ಅಥವಾ

'ದೇವರ ಮಕ್ಕಳು' ಮತ್ತು 'ಮಗು ಮತ್ತು ಹಣ್ಣುಗಳು' - ಭಾವ ಸೌಂದರ್ಯವನ್ನು ಸಮಾಲೋಚಿಸಿ ಬರೆಯಿರಿ.

- 2) ಸಿದ್ಧಲಿಂಗಯ್ಯನವರ 'ಹಣೆ ಬರವು ಎಂಬ ನಾಟಕವು', ಎನ್. ಕೆ. ಹನುಮಂತಯ್ಯನವರ 'ಗೋವು ತಿಂದು ಗೋವಿನಂತಾದವನು' - ಸಮಾಜದ ವಸ್ತುಸ್ಥಿತಿಯನ್ನು ಹೇಗೆ ಬಿಂಬಿಸುತ್ತಿವೆ - ವಿವರಿಸಿರಿ.

15

ಅಥವಾ

ಕುವೆಂಪು ಅವರ 'ವರ್ಷ ಭೈರವ', ಬೇಂದ್ರೆಯವರ 'ಜೋಗಿ' - ಕವನಗಳು ನಿಸರ್ಗವನ್ನು ಸೌಂದರ್ಯದ ವೈಭವದಲ್ಲಿ ಹೇಗೆ ಚಿತ್ರಿಸಿವೆ - ಬರೆಯಿರಿ.

- 3) ಆನಂದ ಋಗ್ವೇದಿಯವರ 'ಇರುವೆಯ ಗೂಡು' ಕಥೆಯನ್ನು ವಿಶ್ಲೇಷಿಸಿರಿ.

15

ಅಥವಾ

'ದಹನ' ಕಥೆಯಲ್ಲಿ ಆಧುನಿಕ ಮನುಷ್ಯನ ಯಾಂತ್ರಿಕ ಬದುಕಿನ ಚಿತ್ರ ವ್ಯಕ್ತವಾಗಿರುವ ರೀತಿಯನ್ನು ಕುರಿತು ವಿವರಿಸಿರಿ.

- 4) ಪಿ. ಲಂಕೇಶ ಅವರ 'ಒಂದು ಬಾಗಿಲು' ಕಥೆಯು ಬದುಕಿನ ಅನುಭವಗಳನ್ನು ಸಾಂಕೇತಿಕವಾಗಿ ಹೇಗೆ ಚಿತ್ರಿಸಿದೆ - ವಿವರಿಸಿರಿ.

15

ಅಥವಾ

ಪೂರ್ಣಚಂದ್ರ ತೇಜಸ್ವಿಯವರ 'ಕುಕ್ಕುಟ ಪಿಶಾಚ' ವನ್ನು ವಿಶ್ಲೇಷಿಸಿ ಬರೆಯಿರಿ.

- II. ಇವುಗಳಲ್ಲಿ ನಾಲ್ಕಕ್ಕೆ ಉತ್ತರಿಸಿರಿ :

(4×5=20)

- 1) ಚೆನ್ನವೀರ ಕಣವಿ
- 2) ಏನಾದರೂ ಮಾಡುತಿರು ತಮ್ಮ
- 3) ನಾವು ಹುಡುಗಿಯರೇ ಹೀಗೆ
- 4) ಪಂಚಾಂಗ ಮತ್ತು ಮಳೆ
- 5) ಪೂರ್ಣಚಂದ್ರ ತೇಜಸ್ವಿ
- 6) ಪಿ. ಲಂಕೇಶ
- 7) ಮುನಿರಾಜು
- 8) ದಹನ.



First Semester B.A./B.Sc./B.Com./B.B.M./B.S.W./B.C.A./B.Sc. (G.M.T.)
Degree Examination, Nov./Dec. 2016
ENGLISH – I
BASIC ENGLISH (New Syllabus)
Text : Words and Beyond

Time : 3 Hours

Max. Marks : 80

I. Annotate **any two** of the following : (2×6=12)

- As a public speaker I have to take care that every word I say is heard distinctly at the far end of large halls containing thousands of people.
- The four men the corpse down inside the hut and wanted for the pyre wood to be brought.
- They knew how to behave at tea, at a party they were enjoying the dignity of their own performance.
- And what is there to life if a man cannot hear the lovely cry of the Whippoorwill or the arguments of the frogs around a pond at night ?

II. Answer **any one** of the following : (1×16=16)

- How does G.B. Shaw argue to prove his point that there is no ideally correct English ?
- Describe the unfortunate set of incidents and circumstances in the life Kadambini and how did she estrange herself to the family with whom she was living.

III. Annotate **any two** of the following : (2×6=12)

- _____, for my laugh in the mirror
Shows only my teeth like a snake's bare fangs !
- 'He thought he'd list, perhaps
Off-hand like – just as I –
- And as you look on,
the cracks that begin around her eyes
spread beyond her skin.

P.T.O.



- d) Sun, rain, curving sky
Mountain, oceans, leaf and stone
Star shine, moon glow
You're all that I can call my own.

IV. Answer **any one** of the following :

(1×16=16)

- a) How does Gabriel Okara bring out the comparison in the attitude of erstwhile and people of Modern Age ?
b) How does Thomas Hardy bring out the tragedy and absurdity of war in the poem "The Man He Killed" ?

V. **Grammar :**

- a) Rewrite the following sentences as directed :

(4×2=8)

- i) It has been raining all night. (rewrite into past perfect continuous)
ii) I am hoping to get a holiday. (rewrite into past continuous)
iii) Lazy boys fail in their examinations. (rewrite into past perfect continuous)
iv) My father works in the income-tax office. (rewrite into past perfect tense)

- b) Rewrite the following sentences as directed :

(4×2=8)

- i) She always drank coffee after meal. (rewrite into present perfect tense)
ii) The artist drew a life-like picture of the Queen. (rewrite into present perfect continuous tense)
iii) He spent the afternoon in playing Chess. (rewrite into simple present tense)
iv) He had ruined his sight by reading small print. (rewrite into present tense)

- c) Rewrite the following sentences into **passive voice** :

(4×2=8)

- i) The hunter shot the tiger.
ii) The baker sells bread.
iii) Mr. Green will buy a new car next week.
iv) The cow gives us milk.
-



B16102 20

10906

First Semester B.A./B.Sc./B.Com./B.C.A./B.B.M./B.S.W./B.H.M. Degree
Examination, November/December 2016

INDIAN CONSTITUTION (New)
(Compulsory Paper)

Time : 3 Hours

Max. Marks : 80

Instructions: 1) Answer **all** Sections.
2) Answer either in **English** or in **Kannada**.

SECTION - I

1. a) Fill in the blanks (any five) :

(5×1=5)

ಬಿಟ್ಟ ಸ್ಥಳಗಳನ್ನು ತುಂಬಿರಿ (ಐದಕ್ಕೆ ಮೂತ್ರ) :

- i) The Chapter III of the Indian Constitution deals with _____
ಭಾರತ ಸಂವಿಧಾನದ ಮೂರನೇ ಅಧ್ಯಾಯವು _____ ಗೆ ಸಂಬಂಧಿಸಿದೆ.
- ii) Dr. B.R. Ambedkar was the Chairman of _____ Committee.
ಡಾ. ಬಿ. ಆರ್ ಅಂಬೇಡ್ಕರ್‌ರವರು _____ ಸಮಿತಿಯ ಅಧ್ಯಕ್ಷರಾಗಿದ್ದರು.
- iii) The term of member of the Legislative Council is _____ years.
ವಿಧಾನ ಪರಿಷತ್ ಸದಸ್ಯರ ಅಧಿಕಾರಾವಧಿಯು _____ ವರ್ಷಗಳು.
- iv) The Judges of the High Court retire at the age of _____
ಹೈಕೋರ್ಟ್‌ನ ನ್ಯಾಯಾಧೀಶರು _____ ವಯಸ್ಸಿನಲ್ಲಿ ನಿವೃತ್ತಿ ಹೊಂದುತ್ತಾರೆ.
- v) Prime Minister is appointed by the _____
ಪ್ರಧಾನ ಮಂತ್ರಿಯವರು _____ ಅವರಿಂದ ನೇಮಕವಾಗುತ್ತಾರೆ.
- vi) The term of President of India is _____ years.
ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಗಳ ಅಧಿಕಾರಾವಧಿಯು _____ ವರ್ಷಗಳು.
- vii) Legislature of India is called as _____
ಭಾರತದ ಶಾಸಕಾಂಗವನ್ನು _____ ಎಂದು ಕರೆಯುತ್ತಾರೆ.

P.T.O.



b) State the following statements whether true or false (any five)

(5×1=5)

ಕೆಳಗಿನ ಹೇಳಿಕೆಗಳು ಸರಿ ಅಥವಾ ತಪ್ಪು ಎಂಬುದನ್ನು ತಿಳಿಸಿ. (ಐದಕ್ಕೆ ಮಾತ್ರ)

i) The Indian Constitution provides dual citizenship.

ಭಾರತ ಸಂವಿಧಾನವು ದ್ವಿನಾಗರಿಕತ್ವವನ್ನು ಒದಗಿಸುತ್ತದೆ.

ii) Indian Constitution is a Unwritten Constitution.

ಭಾರತ ಸಂವಿಧಾನವು ಅಲಿಖಿತ ಸಂವಿಧಾನವಾಗಿದೆ.

iii) India become an Independent country on January 26th, 1950.

ಜನವರಿ 26, 1950 ರಂದು ಭಾರತವು ಸ್ವತಂತ್ರವಾಯಿತು.

iv) The Judges of the Supreme Court retire at the age of 65.

ಸುಪ್ರೀಂಕೋರ್ಟ್‌ನ ನ್ಯಾಯಾಧೀಶರು ತಮ್ಮ 65ನೇ ವಯಸ್ಸಿನಲ್ಲಿ ನಿವೃತ್ತಿ ಹೊಂದುತ್ತಾರೆ.

v) President of India appoints the Governors of States.

ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಗಳು ರಾಜ್ಯಗಳ ರಾಜ್ಯಪಾಲರುಗಳನ್ನು ನೇಮಿಸುತ್ತಾರೆ.

vi) The Chapter IV of the Indian Constitution deals with Directive Principles of State Policy.

ಭಾರತ ಸಂವಿಧಾನದ ನಾಲ್ಕನೇ ಅಧ್ಯಾಯವು ರಾಜ್ಯ ನಿರ್ದೇಶಕ ತತ್ವಗಳನ್ನು ಒಳಗೊಂಡಿದೆ.

vii) The President of India nominates 12 members to Rajya Sabha.

ಭಾರತದ ರಾಷ್ಟ್ರಾಧ್ಯಕ್ಷರು 12 ಜನ ಸದಸ್ಯರನ್ನು ರಾಜ್ಯಸಭೆಗೆ ನಾಮಕರಣ ಮಾಡುತ್ತಾರೆ.

SECTION – II

Answer any five in two or three sentences each :

(5×2=10)

ಯಾವುದಾದರೂ ಐದಕ್ಕೆ ಎರಡು ಅಥವಾ ಮೂರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ:

2. What is preamble ?

ಪ್ರಸ್ತಾವನೆ ಎಂದರೇನು ?



3. What is written Constitution ?

ಲಿಖಿತ ಸಂವಿಧಾನ ಎಂದರೇನು ?

4. What is Republic ?

ಗಣರಾಜ್ಯ ಎಂದರೇನು ?

5. What are the qualifications to become the member of legislative Council.

ವಿಧಾನ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರಾಗಲು ಇರಬೇಕಾದ ಅರ್ಹತೆಗಳನ್ನು ತಿಳಿಸಿರಿ.

6. What is Judicial Review ?

ನ್ಯಾಯಿಕ ವಿಮರ್ಶೆ ಎಂದರೇನು ?

7. What is single citizenship ?

ಏಕಪೌರತ್ವ ಎಂದರೇನು ?

8. What is Fundamental Rights ?

ಮೂಲಭೂತ ಹಕ್ಕುಗಳು ಎಂದರೇನು ?

SECTION – III

Answer **any three** questions in **ten sentences each** :

(3×5=15)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಹತ್ತು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ :

9. Discuss the right to freedom.

ಸ್ವಾತಂತ್ರ್ಯದ ಹಕ್ಕಿನ ಬಗ್ಗೆ ಚರ್ಚಿಸಿರಿ.

10. Explain the methods to acquiring and losing of citizenship.

ನಾಗರಿಕತ್ವವನ್ನು ಪಡೆಯುವ ಮತ್ತು ಕಳೆದುಕೊಳ್ಳುವ ವಿಧಾನಗಳನ್ನು ವಿವರಿಸಿ.

11. What are the fundamental duties of Indian Citizens

ಭಾರತದ ನಾಗರಿಕರ ಮೂಲಭೂತ ಕರ್ತವ್ಯಗಳು ಯಾವುವು ?



12. Explain the Preamble of the Indian Constitution.

ಭಾರತ ಸಂವಿಧಾನದ ಪ್ರಸ್ತಾವನೆಯನ್ನು ವಿವರಿಸಿ.

13. Explain the Directive Principles of State Policy.

ರಾಜ್ಯ ನಿರ್ದೇಶಕ ತತ್ವಗಳನ್ನು ವಿವರಿಸಿ.

SECTION – IV

Answer any three questions.

(3×15=45)

ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

14. Explain the powers and functions of the President of India.

ಭಾರತದ ರಾಷ್ಟ್ರಾಧ್ಯಕ್ಷರ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

15. Explain the salient features of the Indian Constitution.

ಭಾರತ ಸಂವಿಧಾನದ ಪ್ರಮುಖ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.

16. Explain the powers and functions of the Chief Minister.

ಮುಖ್ಯಮಂತ್ರಿಗಳ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

17. Explain the composition, powers and functions of the Loka Sabha.

ಲೋಕಸಭೆಯ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

18. Explain the composition, powers and functions of the Supreme Court.

ಸುಪ್ರೀಂಕೋರ್ಟ್‌ನ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.



B1610220

27121

I Semester B.C.A. Degree Examination, Nov./Dec. 2016**COMPUTER SCIENCE****1.4 : Mathematics – I (New Scheme)**

Time : 3 Hours

Max. Marks : 80

SECTION – A**I. Answer any 10 :****(10×2=20)**

- 1) Find the amplitude and modulus of $\frac{1-i\sqrt{3}}{2}$.
- 2) State De Moivre's theorem.
- 3) Express $5 + i2$ in polar form.
- 4) If $A = \begin{bmatrix} 1 & 3 & -1 \\ -1 & 0 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 4 & -1 & 2 \\ 1 & 3 & -2 \end{bmatrix}$. Find $2A + 3B$.
- 5) If $\begin{bmatrix} x & 2 \\ 4 & 8 \end{bmatrix}$ is singular matrix. Find x .
- 6) If $A = \begin{bmatrix} 4 & -1 \\ 0 & 3 \\ 2 & -3 \end{bmatrix}$. Find $\frac{3A}{2}$.
- 7) Evaluate $\lim_{x \rightarrow -3} \left(\frac{x^2 + 9}{x + 3} \right)$.
- 8) Differentiate $x^2 \sin x$ w.r.t. x .
- 9) Differentiate $\frac{x^2 - 1}{x^2 + 1}$ w.r.t. x .
- 10) Differentiate $y = \sec \sqrt{x+2}$ w.r.t. x .
- 11) Evaluate $\int \frac{x^3 + 4x^5 - 4x^2}{x^6} dx$.

SECTION – B**II. Answer any 6 :****(6×4=24)**

- 12) The distance 's' feet travelled by a particle in time 't' second is given by $s = t^3 - 6t^2 + 15t + 2$. Find when the acceleration is zero.

13) Prove that $\left[\frac{1 + \cos \frac{\pi}{8} + i \sin \frac{\pi}{8}}{1 + \cos \frac{\pi}{8} - i \sin \frac{\pi}{8}} \right]^8 = -1$.

P.T.O.



14) Prove that $\begin{vmatrix} 1+a & b & c \\ a & 1+b & c \\ a & b & 1+c \end{vmatrix} = 1 + a + b + c.$

15) Evaluate $\lim_{x \rightarrow 2} \frac{x^6 \sqrt{x} - 64\sqrt{2}}{x^3 \sqrt{x} - 8\sqrt{2}}.$

16) If $A = \begin{bmatrix} 3 & 2 \\ 4 & 1 \end{bmatrix}$, prove that $A^2 - 4A - 5I = 0$ where I is a unit matrix of order 2×2 .

17) Integrate $\frac{2x-1}{x^2-4x+13}$ w.r.t. x .

18) $I = \int \log(1+x) \cdot x \, dx.$

SECTION - C

III. Answer any 6 :

(6×6=36)

19) Solve the equations by Cramer's rule

$$2x + 5y + z = -1 \quad x + 7y - 6z = -18 \quad y + 2z = 3.$$

20) Evaluate $\int_0^{\pi/2} \frac{\sin x \cdot \cos x}{\cos^2 x + 3 \cos x + 2} \, dx.$

21) Find the n^{th} derivative of $\sin(ax + b).$

22) If $y = a \cos(\log x) + b \sin(\log x)$ show that

$$x^2 y_{n+2} + (2n+1)xy_{n+1} + (n^2+1)y_n = 0.$$

23) Verify Lagrange's mean value theorem for the function

$$f(x) = x(x-1)(x-2) \text{ in } (0, \frac{1}{2}).$$

24) If $x = \cos \alpha + i \sin \alpha$, $y = \cos \beta + i \sin \beta$. Then prove that

$$\frac{x^2}{y^3} - \frac{y^3}{x^2} = 2i \sin(2\alpha - 3\beta).$$

25) Evaluate $\int_0^2 \int_0^1 (x^2 + y^2) \, dy \, dx.$



I Semester B.C.A. Degree Examination, November/December 2016
COMPUTER SCIENCE

Paper – 1.5 : Computer Fundamentals and Office Automation (New)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** the questions. **Each** question carries **2** marks.

(10×2=20)

1. Name any 2 input devices.
2. Write the different types of ROM.
3. What is the function of CU in computer ?
4. Define Interpreter.
5. What is the difference between volatile and non-volatile memory ?
6. List any 2 features of 3rd generation computer.
7. Explain von-neumann concept.
8. List any 4 internal commands in MS-DOS.
9. Give the shortcut keys for cut, copy and paste.
10. What is the use of Powerpoint ? Name any 2 methods of creating a slide.

SECTION – B

Answer **any 4**. **Each** question carries **5** marks.

(4×5=20)

11. Explain the characteristics of computer.
12. Explain the different types of devices using optical media.
13. Explain the different types of RAM.
14. Explain the working of impact printer.

P.T.O.

27122



15. Give the steps involved and the options in finding replacing and goto the text in Ms-Word.
16. Explain the options available for slide animation in Ms-Powerpoint.

SECTION – C

Answer **any 4** questions. **Each** question carries **10** marks.

(4×10=40)

17. With a neat diagram explain the block diagram of computer.
 18. Explain the different generations of computer.
 19. Write a note on history of computer.
 20. Explain mail merge option in Ms-Word.
 21. Explain the screen layout of a worksheet in detail.
 22. Explain the parts of Ms-Powerpoint window.
-



**I Semester B.C.A. Examination, Nov./Dec. 2016
(New Scheme)**

COMPUTER SCIENCE

Paper – BCA 1.6 : C Programming

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** the questions. **Each** question carries **2** marks.

(10×2=20)

1. Write down the advantages of C language.
2. Define operator. List out logical operators in C.
3. Differentiate between constant and variable.
4. Explain any 2 string handling functions in C with example.
5. What is an array ? Write their classification.
6. List the formatted input output statements in C.
7. Define pointer. How do you access the address of a variable ?
8. What is preprocessor ? Give an example.
9. What is the difference '=' and '==' ?
10. Define storage classes. List out different types.

SECTION – B

Answer **any 4** questions. **Each** question carries **5** marks.

(4×5=20)

11. Briefly explain the features of C programming.
12. What do you mean by token explain its classification ?

P.T.O.



13. Write a C program to find the grade of a student using else if ladder.
14. Explain one dimensional array with syntax and example.
15. Compare call by reference and call by value with an example.
16. Explain how to declare and initialize pointers in C with example.

SECTION – C

Answer **any 4** questions. **Each** question carries **10** marks.

(4×10=40)

17. Briefly explain the basic structure of C program.
18. Explain decision making and looping statements in C with syntax, flowchart and example.
19. Define recursive function. Write a C program to find nC_r using recursive functions.
20. Define structure. Explain the declaration and initialization of structure with a suitable example.
21. Write a C program to swap two numbers using call by reference.
22. Define file. Explain fopen() and fclose() functions.