

**(DENG1)**

**Total No. of Questions : 6]**

**[Total No. of Pages : 04**

**B.A./B.Com./B.Sc./B.B.M./B.B.A./B.H.M DEGREE EXAMINATION, MAY - 2017**

**(Examination at the end of First Year)**

**English (Paper - I) (Part - I)**

**Time : 3 Hours**

**Maximum Marks : 70**

**Section – A**  
**Analysis Skills**

**Q1) A) Read the following passage and answer the questions that follow. (5 x 1 = 5)**

It was five minutes since Dasa was gone when the youngest son cried, ‘See there!’ Our of a hole in the compound wall a cobra emerged. It glided along towards the gate, paused for a moment to look at the gathering in the veranda with its hood half-opened. It Crawled under the gate and disappeared along a drain. When they recovered from the shock they asked, ‘Does it mean that there are two snakes here?’ The college boy murmured, ‘I wish I had taken the risk and knocked the water pot from Dasa’s hand, we might have known what it contained.

- i) From which lesson is this passage taken?
- ii) Who is the author?
- iii) What was seen out of the hole?
- iv) Where did the snake disappear?
- v) Why did the boy wish that he had knocked the water-pot?

**B) Read the following passage and answer by choosing the right answer. (5 x 1 = 5)**

Indian culture has deep-rooted family values-parents make enormous sacrifices for their children, children consider it their duty to take care of aged parents. Unfortunately our attitude to the community is very different. We keep our homes spotlessly clean, when we go out we do not think twice before littering. We see serious problems around us but behave as if they are some one else’s responsibility.

In the West, individuals understand that they have to be responsible to their community. They solve societal problems proactively. This is something we should learn. Successful societies are those that harmoniously combine loyalty to the family and loyalty to the community.

- a) How are Indian family values?
  - i) culture
  - ii) sacrifice
  - iii) deep-rooted
  - iv) careful
- b) How is Indian attitude towards the community?
  - i) indifferent
  - ii) littering
  - iii) responsible
  - iv) none of the above
- c) In the west, how are people towards the community?
  - i) irresponsible
  - ii) responsible
  - iii) harmony
  - iv) none of the above
- d) Loyalty to family and community makes a society.
  - i) successful
  - ii) problems
  - iii) loyal
  - iv) none of the above
- e) Synonym for the word 'loyal' is.
  - i) kind
  - ii) good
  - iii) accountable
  - iv) faithful

**Q2) A)** Correct the following sentences.

**(5 x 1 = 5)**

- a) She shed the crocodile tears.
- b) There is two apples on the table.
- c) My spectacles is in my pocket.
- d) None of the students done their home work.
- e) He do not like tea.

- B) Rewrite the sentences as directed. **(5 x 1 = 5)**
- a) Cows give milk. (change the voice)
  - b) He went out. (add a question tag)
  - c) "I want that toy", said the boy. (change into indirect speech)
  - d) My sister is taller than me. (change into positive degree)
  - e) She did not return even at seven in the evening. (change into a complex sentence)
- C) Change into direct speech. **(2 x 1 = 2)**
- a) Rahul told Rohan to give him the book.
  - b) The woman told him to come the next day.
- D) Fill in the blanks with correct forms to verbs given in the brackets. **(5 x 1 = 5)**
- a) I \_\_\_\_\_ (work) on the project now.
  - b) They \_\_\_\_\_ (prepare) for the exam well.
  - c) She \_\_\_\_\_ (like) soup.
  - d) John \_\_\_\_\_ (play) the violin.
  - e) We \_\_\_\_\_ (launch) a new programme.
- E) Fill in the blanks with suitable words given at the end of the list. **(5 x 1 = 5)**
- a) He said he would \_\_\_\_\_ the picture.
  - b) They must \_\_\_\_\_ their decision.
  - c) You need not \_\_\_\_\_ my permission.
  - d) I will \_\_\_\_\_ my work tomorrow.
  - e) I could \_\_\_\_\_ heavy weights.
- (complete, ask, paint, lift, make)
- F) Rewrite the following set of jumbled sentences to make a coherent passage. **(3)**
- a) The next year did better still.
  - b) Farming was once a holy art.
  - c) In the first season my crop was good enough.
  - d) I learnt to plant only a small piece of ground.
  - e) People farm today with haste and thoughtlessness.

- G) Write a dialogue between a mother and daughter discussing good habits. (3)
- H) Write a paragraph using the following hints. (6)
- Women is not a commodity – generations of exploitation – freedom to choose her career, partner – better families – better society – better world – reforms in 21<sup>st</sup> century.

**Section – B**  
**Descriptive Skills**

- Q3)** Write an essay on ONE of the following: (1 x 5 = 5)
- a) Sketch the character of Dolly.
  - b) Bring out Nehru's good qualities from his letter.
  - c) How does Churchill's speech inspire?
- Q4)** Write short notes on any three of the following: (3 x 3 = 9)
- a) What is the central idea of the poem,, 'On killing a tree'.
  - b) What is the significance of the title, 'Piano and drums'.
  - c) Why does Masefield want us to laugh and be merry?
  - d) Is Milton happy to be twenty – three.
  - e) Summarize the poem, 'Sonnet to Science'.
- Q5)** Write an essay on one of the following: (1 x 4 = 4)
- a) Discuss the appropriateness of the title, 'Lemon; Yellow and Fig'.
  - b) Bring out the universal truth in, 'God sees the truth but waits'.
  - c) Narrate the story, 'The Open Window' in your own words.
- Q6)** a) Explain any two of the following: (2 x 2 = 4)
- i) My sister's coming over first.
  - ii) I do wrestle a bit.
  - iii) You don't own the whole house, do you?
- b) Explain any one of the following: (1 x 4 = 4)
- i) Small is the worth  
Of beauty from the light retired.
  - ii) Join the jubilant song of the great stars sweeping by.



(DTEL1)

Total No. of Questions : 07]

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B.A./B.Com./B.Sc./B.B.M./B.B.A./B.H.M. DEGREE EXAMINATION, MAY - 2017

(Examination at the end of First Year)

TELUGU (Paper - I)

Time : 3 Hours

Maximum Marks : 70

Q1) ఈ క్రింది పద్యాలలో ఒకదానికి ప్రతిపదార్థ తాత్పర్యము వ్రాయుము. (6)

a) విపలీత ప్రతిభాష లేమిటికి నుల్వనాథ యీపుత్రగా

త్ర పరిష్కంగ సుఖంబు సే కొనుము ముక్తాహార కర్పూర సాం

ద్రపరాగ ప్రసరంబు చందనము చంద్రజ్యోత్స్నయుంబుత్రగా

త్ర పరిష్కంగమునట్లు జీవులకు హృద్యంచే కడున్ శాతమే

b) అరయమిజేసి కోడలన కప్పడు దాసిగ జేసెనమ్మహా

పురుషుని పాలికిం బతులు వోవగ వీరలతోన యేనుజె

చ్యేర జని కోటరంబు దగ జేయుదునో యటుగాకపాడిమై

వరపుడ మోడి చేయుదునో వారికి మాధవ నిశ్చయింపుమా

Q2) ఈ క్రింది వానిలో 'అ' భాగం నుండి రెండింటికి 'ఆ' భాగం నుండి రెండింటికి సందర్భ సహిత వ్యాఖ్యలు

వ్రాయుము.

(4 x 2 = 8)

'అ' భాగం

a) సూన్యత వాక్యము వేలు చూడగన్

b) వారు బ్రాహ్మణులే యేకీడైన సైలింపగన్

- c) నిప్పన జెదలంటునే
- d) ఏనుగు దిన్న వెలగపండు నాగనొప్ప

‘అ’ భాగం

- a) ఈసురోమని మనుషులుంటే దేశమేగతి బాగుపడునోయ్
- b) చావలేదు ఆంధ్రుల మహోజ్వల చరిత్ర
- c) సిరియెభోగోపలబ్ధికి జీవగణ్ణ
- d) తల్లి చల్లనిప్రేమ వెల్లి తారినయట్లు

**Q3)** ఈ క్రింది వానిలో ‘అ’ భాగం నుండి ఒకదానికి ‘ఆ’ భాగం నుండి ఒకదానికి వ్యాసరూప సమాధానాలు

వ్రాయుము.

**(2 x 6 = 12)**

‘అ’ భాగం

- a) బెజ్జ మహాదేవి వృత్తాంతమును వివరింపుము.
- b) శకుంతల దుష్కంతుని సభలో ప్రసంగించిన అంశాలేవి?

‘ఆ’ భాగం

- a) శివపార్వతులు చిరు తొండనంబి దంపతుల్లి పరీక్షించిన విధమును వివరింపుము.
- b) ద్రౌపది తన భంగపాటును శ్రీకృష్ణునకు చెప్పిన విధమును వివరింపుము.

**Q4)** ఈ క్రింది వానిలో ‘అ’ భాగం నుండి ఒకదానికి ‘ఆ’ భాగం నుండి ఒకదానికి వ్యాసరూప సమాధానము

వ్రాయుము.

**(2 x 6 = 12)**

‘అ’ భాగం

- a) దేశభక్తి గేయ సారాంశమును వివరింపుము.
- b) రాయప్రోలు వారు ఆంధ్రుల గత వైభవమును కీర్తించిన విధమును వివరింపుము.

‘ఆ’ భాగం

- a) విశ్వనాథవారి కిన్నెరసాని నడకలలోని సౌందర్యమును వివరింపుము.  
b) అరుంధతీ సుతుడు గజ్జిలంతో స్వీయ వృత్తాంతాన్ని విన్నవించుకున్న విధమును వివరింపుము.

**Q5) ఈ క్రింది వానిలో రెండింటికి సమాధానాలు వ్రాయుము. (2 x 6 = 12)**

- a) ఇందిర పాత్ర విశిష్టతను వివరింపుము.  
b) కాలాతీత వ్యక్తులు నవలలో ప్రతిఫలించె సాంఘిక పరిస్థితులను వివరింపుము.  
c) కాలాతీత వ్యక్తులు నవల ద్వారా రచయిత్రి సమాజానికొచ్చిన సందేశమేమి?  
d) కాలాతీత వ్యక్తులు నవల నామసార్ధక్యతను వివరింపుము.

**Q6) ఈ క్రింది వానిలో ఐదింటిని విడదీసి సంధికార్యములు వ్రాయుము. (5 x 2 = 10)**

- a) కణ్ణాశ్రమంబు  
b) ధర్మేశ్వర  
c) ఇక్కమారుడు  
d) ముఖారవిందుడు  
e) ఉగ్గులు వోసి  
f) కులాంగన  
g) చిత్రముల యాకృతి  
h) వలచినట్లు  
i) అన్నదమ్ములు  
j) చెచ్చెఱి

**Q7) ఈ క్రింది వానిలో ఐదింటికి విగ్రహవాక్యములు వ్రాసి సమాసములు తెలియజేయుము. (5 x 2 = 10)**

- a) దివ్యదృష్టి  
b) పద్మాక్షి  
c) అనుదినము  
d) అసత్యము  
e) మాటనేర్పరి  
f) తపోవనము  
g) చంద్రసూర్యులు  
h) పంకజనాభుడు  
i) వేయిగోత్రములు  
j) ఆలమంద

**(DHIN1(NR))**

Total No. of Questions : 8]

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**B.A./B.Com./B.Sc./B.B.M./B.B.A./B.H.M. /DEGREE EXAMINATION, MAY - 2017**

**(Examination at the end of First Year)**

**HINDI (Paper – I (NR))**

**Time : 3 Hours**

**Maximum Marks : 70**

**SECTION – A**

- Q1)** किन्हीं तीन की सन्दर्भ सहित व्याख्या कीजिए। (3 × 3 =9)
- a) जिस समाज को लोग अपनी झूठे प्रशंसा सुनकर प्रसन्न होते हैं, वह समाज के प्रशंसनीय नहीं समझा जाता।
- b) भारतीय साहित्य को एकता का आदेश सदैव हमारे राष्ट्रीय एकता के लिए अक्षय श्रात रहा है और रहना चाहिए।
- c) अच्छी कविता अभ्यास से नहीं आती।
- d) ईष्या मनुष्य का चारिचिक दाष ही नहीं, प्रत्यत, इससे मनुष्य का आनन्द में भी बाधा पडती है। जन भी मनुष्य के हृदय में ईष्या का उदय होता है सामन का सय उस माध्यम सा दिखने लगता है।

**SECTION – B**

- Q2)** किसी एक पाठ का सारांश विशेषताओं सहित लिखिए। (10)
- a) ईष्या तु ना गयी मेरे दिल से।
- b) भारतीय साहित्य की एकता।
- Q3)** किसी एक पाठ का सारांश विशेषताओं सहित लिखिए। (10)
- a) नीलकान्त।
- b) कवि और कविता।
- Q4)** किसी एक कहानी का सारांश विशेषताओं सहित लिखिए। (10)
- a) ठाकुर का कुआ।
- b) पुरस्कार।
- Q5)** अपनी बहन की शादी पर अपने मित्र को आमंत्रित करते हुए एक पत्र लिखिए। (10)
- (अथवा)



नौकरी के लिए आवेदन पत्र देते हुए प्रधान अध्यापक के नाम पर पत्र लिखिए।

**Q6)** किन्हीं दो प्रश्नों का जवाब दस पंक्तियों में लिखिए। (2 × 3 = 6)

- a) हजारसिंह का चरित्र-चित्रण कीजिए।
- b) मधूलिका का चरित्र-चित्रण कीजिए।
- c) मालती का चरित्र-चित्रण कीजिए।
- d) जोखू का चरित्र-चित्रण कीजिए।

**Q7)** सब प्रश्नों का लिखना अनिवार्य हैं। (10 × 1 = 10)

- a) शेर जंगल में रहता है। (लिंग बदलकर लिखिए।)
- b) लडका शेर मचाता है। (वचन बदलकर लिखिए।)
- c) राम पाठ पढता है। (वाक्य बदलकर लिखिए।)
- d) सरला उपन्यास पढती है। (भविष्यत काल में लिखिए।)
- e) उसने खाना खाता है। (वाक्य शुद्ध कीजिए।)
- f) किताब मेज ----- है (कारक चिह्न लिखिए।)
- g) राम दशरथ को पुत्र है। (शुद्ध कीजिए।)
- h) मैंने एक आम खाया। (पूर्ण भूतकाल में लिखिए।)
- i) लडके मैदान में खेलते हैं। (वचन बदलकर लिखिए।)
- j) Wall (इस शब्द का अर्थ हिन्दी में लिखिए।)

**Q8)** किन्हीं दो शब्दों का अर्थ हिन्दी में लिखकर वाक्यों में प्रयोग कीजिए। (2 × 2½ = 5)

- a) क्रोध
- b) आरंभ करना
- c) अनुभव
- d) यज्ञ
- e) मुसीबत



**(DSAN1(NR))**

Total No. of Questions : 6]

[Total No. of Pages : 03

**B.A./B.Com./B.Sc./B.B.M./B.B.A./B.H.M. DEGREE EXAMINATION, MAY - 2017**

**(Examination at the end of First Year)**

**SANSKRIT (Paper – I(NR))**

**Time : 3 Hours**

**Maximum Marks : 70**

*Answer the following*

- Q1)** a) Describe the criticism of Siva by the celibate to turn Parvati's Mind? (8)  
ब्रह्मचारिणा कृतां शिवनिन्दां विशदयत ?  
OR / अथवा  
b) Write the story of Mritojjivana?  
“मृतोज्जीवनं” नामोपाख्यानं लिखत।
- Q2)** a) Explain the condition of the people in the Kingdom of Dasaratha? (8)  
दशरथस्य राज्ये प्रजानां स्थितिं विवृणुत ?  
OR / अथवा  
b) Explain the qualities of a scholar according to Viduraniti?  
विदुरनीतिमनुसृत्य पण्डितलक्षणानि विशदयत ?
- Q3)** a) Explain the favour done to the brahmin by Rajavahana. (8)  
राजवाहनकृतां द्विजोपकृतिं विशदयत ?  
OR / अथवा  
b) Write the story of “चतुरः शशकः”  
“चतुरः शशकः” – इति कथां लिखत।
- Q4)** Answer the following with reference to the context. (any 3) (3 × 4 = 12)  
ससंदर्भं लिखत।  
a) धनैश्च सञ्चयैश्चान्यैः शक्रवैश्रवणोपमः।  
b) अनाहूतः प्रविशति अपृष्टो बहु भाषते।  
c) शरीरमाद्यं खलु धर्मसाधनम्।  
d) विनिर्गतो धूम इवावभासे।  
e) विन्ध्याटवीमध्ये भवान् किमित्येकाकी निवसति।  
f) आत्मार्थे पृथिवीं त्यजेत्।  
g) नक्षत्राणीव चन्द्रमाः।

h) निन्दितानि न सेवते।

**Q5)** Translate any two into English or Telugu :  
आन्ध्रभाषया वा आंग्लभाषया वा अनुवादं लिखत।

(2 × 3 = 6)

- a) तेथ सत्याभिसंधेन त्रिवर्गमनुतिष्ठता।  
पालिता सापुरी श्रेष्ठा इन्द्रेणामरावती॥
- b) यस्य कृत्यं नधानन्ति मन्त्रं वा मन्त्रितं परे।  
कृतमेवास्य जानान्ति स वै पण्डित उच्यते॥
- c) अमित्रं कुरुते मित्रं मित्रं द्वेष्टि हिनस्ति च।  
कर्म चारभते दुष्टं तमाहुर्मूढयेतसम्॥
- d) प्रयुक्त सत्कार विशेषमात्मना न मांपरं संप्रतिपत्तु मर्हसि।  
यतः सतां संततगात्रि, संज्ञतं मनीषिभिः साप्तपदीन मुच्यते॥

**Q6)** a) Write the forms of any three in the other numbers of the given persons. (3 × 2 = 6)  
त्रयाणां इतरवचनेषु रूपाणि लिखत।

- 1) गमिष्यति
- 2) भवतु
- 3) अपश्यत्
- 4) लभे
- 5) ऐच्छत्
- 6) भाषे
- 7) लिखाम
- 8) तिष्ठति

b) चतुर्णां तत्तद्विभक्तिषु रूपाणि लिखत।

(4 × 2 = 8)

- 1) रामेण
- 2) फलस्य
- 3) कवये
- 4) धातारम्
- 5) देवे
- 6) पित्रे
- 7) वरिणा

8) नदी

c) Combine any four :

चत्वारि सन्धत्त।

(4 × 2 = 8)

1) कपि + ईशः

2) नव + उदयः

3) गुरु + आज्ञा

4) तत् + टीका

5) कुर्वन् + एव

6) षट् + मुखः

7) तत् + लयः

8) नृपः + जयति

d) Dissolve any three :

(3 × 2 = 6)

त्रयाणां विग्रहवाक्यानि लिखत।

1) समक्षम्

2) गुरुदक्षिणा

3) नरसिंहः

4) कुम्भकारः

5) रामकृष्णौ

6) सीतापतिः

7) विद्यधनम्

8) अधर्मः



**(DSPL11)**

Total No. of Questions : 10]

[Total No. of Pages : 1

**B.Sc. DEGREE EXAMINATION, MAY – 2017**

**(Examination at the end of First Year)**

**First Year (Part – II)**

**Programming Using C Language (IT)**

**Time : 3 Hours**

**Maximum Marks : 70**

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**Answer any Five questions**

**All questions carries equal marks.**

- Q1)** Write down the hierarchy of operators or order of precedence of all the operators used in the 'C' programming.
- Q2)** What are various types of variables and datatypes, constants? Explain with example.
- Q3)** a) what are conditional statements in 'C'.  
b) Write a program to find factorial of a number?
- Q4)** What are the advantages of a functions? and Write a syntax and example for function declaration.
- Q5)** Differentiate between call by value and call by reference.
- Q6)** Explain about structures and unions.
- Q7)** Write a program to multiply 2 matrices.
- Q8)** Explain input and output management in C Explain with examples.
- Q9)** a) Write down the basic structure of 'C' programming.  
b) How can you prepare and run a complete 'C' program.
- Q10)** Write a 'C' program to write on data file and read from data file.



**(DSCO11)**

**Total No. of Questions : 10]**

**[Total No. of Pages : 01**

**B.Sc. DEGREE EXAMINATION, MAY – 2017**

**First Year**

**COMPUTER ORGANIZATION (I.T.)**

**Time : 3 Hours**

**Maximum Marks : 70**

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**Answer any FIVE questions**  
**All questions carry equal marks.**

- Q1)** Explain about memory organization in Multi processors?
- Q2)** Briefly Explain shift registers & Binary Counters?
- Q3)** List and Explain the shift Micro Operations.
- Q4)** Discuss about fixed point and floating point representation?
- Q5)** Explain different addressing modes?
- Q6)** Explain Micro instruction sequence in detail?
- Q7)** With a neat sketch Explain the working principle of DMA?
- Q8)** Explain the three-bus organisation of the processor & the organization of hard-wired control unit?
- Q9)** Briefly Explain Division algorithm, Multiplication algorithm with example?
- Q10)** Explain logic gates & combinational circuits? With neat diagram?

✓ ✓ ✓

**(DSDS11)**

**Total No. of Questions : 10]**

**[Total No. of Pages : 01**

**B.Sc. DEGREE EXAMINATION, MAY – 2017**

**First Year**

**COMPUTER SCIENCE**

**Data Structures (IT)**

**Time : 3 Hours**

**Maximum Marks : 70**

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**Answer any FIVE questions.**

**(5 ×14=70)**

**All questions carry equal marks.**

- Q1)** Describe briefly the difference between local variables, parameters and global variables.
- Q2)** Give some advantages and disadvantages of using linked storage for storing strings.
- Q3)** Write an algorithm for inserting and deleting an item from a linear array.
- Q4)** Write an algorithm and program for Binary search.
- Q5)** Write a program to implement stack operations using arrays.
- Q6)** Write an algorithm to evaluate of a postfix expression.
- Q7)** Explain about queue, deque and priority queues.
- Q8)** What is traversing? Explain about tree-traversing techniques with suitable example.
- Q9)** Write a flowchart and syntax and examples for control structures.
- Q10)** What is merge sort? Write an algorithm for merge sort?

✓ ✓ ✓

**(DSDM11)**

Total No. of Questions : 7]

[Total No. of Pages : 02

[Total No. of Pages : 02

**B.Sc. DEGREE EXAMINATION, MAY – 2017**

**First Year**

**DISCRETE MATHEMATICS (IT)**

**Time : 3 Hours**

**Maximum Marks : 70**

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**Answer any Five Questions**

**Each question Carries 14 marks.**

**(5×14=70)**

**Q1)** a) Let A and B be any sets. Prove each set identity

i)  $(A \cap B) \cup (A \cap B^c) = A.$

ii)  $A \cup (A \cap B) = A.$

iii)  $A \cup B = (A \cap B^c) \cup (A^c \cap B) \cup (A \cap B).$

b) Let  $A = \{1,2\}$ ,  $B = \{a,b,c\}$  and  $C = \{c,d\}$  find  $(A \times B) \cap (A \times C)$  and  $(B \cap C).$

**Q2)** a) Define basic logical operators with examples.

b) State and prove (Law of syllogism).

**Q3)** a) Define permutation and combination with examples.

b) Prove that

$$C(n,r) = \frac{P(n,r)}{r!} = \frac{n!}{r!(n-r)!}.$$



**Q4)** a) Let  $G$  be a graph with  $n > 1$  vertices.

Then the following are equivalent.

- i)  $G$  is a free
  - ii)  $G$  is a cycle-free and has  $(n-1)$  edges.
  - iii)  $G$  is connected and has  $(n-1)$  edges.
- b) State and prove Euler's formula.

**Q5)** a) A graph is non planar if and only if it contains a subgroup homeomorphic to  $K_{3,3}$  or  $K_5$ . Prove it.

b) Draw all possible non similar trees  $T$  where

- i)  $T$  is a binary tree with three nodes.
- ii)  $T$  is a 2-tree with four external nodes.

**Q6)** a) Explain the algorithm deleting in a binary search tree.

b) Explain priority queues, Heaps with examples.

**Q7)** a) i) Explain principle of duality.

ii) Explain minimal Boolean expressions & prime Implicants.

b) Explain sum of products form for sets. With examples.

✓ ✓ ✓