

Roll No. _____

[Total No. of Pages : 1

PGIS-223 -A-22
M.A. I Semester Degree Examination
ENGLISH
British Literature - I
Paper -HC- 1.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i. Attempt any **FIVE** questions.
- ii. All questions carry equal marks. Q.N.1 is compulsory.

I. Write short notes on any **FOUR. (4×4=16)**

1. a) The University wits
- b) The Cavalier Poets
- c) Elizabethan Prose
- d) Wyatt and Surrey
- e) Thomas Dekker
- f) Gorboduc
- g) Astrophel and Stella

II. Answer any **FOUR. (4×16=64)**

2. Consider The Faerie Queene as an epic poem. (16)
3. The Alchemist is about human Body. Discuss. (16)
4. Consider Othello as a serious tragedy. (16)
5. Do you think Paradise Lost-I is a religions epic? Substantiate. (16)
6. Bring out Bacon's views on travel and love. (16)
7. Comment on Dr Fountain ambitions and tall. (16)
8. Critically appreciate the text "The club" by Axis and Steel. (16)

Roll No. _____

[Total No. of Pages : 1

PGIS-224 -A-22
M.A. I Semester Degree Examination
ENGLISH
Indian Writing in English - I
Paper : HC - 1.2

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i. Attempt any Five questions.
- ii. All questions carry equal marks. Q.No.1 is compulsory.

Write short notes on any **Four**.

(4×4=16)

1. a) Prakashana Movement
- b) Partition Fiction
- c) Indian English Theatre
- d) G.V. Desani
- e) Praver Jhabvala
- f) Sunlight on a Broken Column
- g) Rats and Diplomats

Answer any **FOUR** of the following.

(4×16=64)

2. Comment on 'Transformation'.
3. Write a note on 'Night of the Scorpion'.
4. Estimate Kamala Das as rebellious Poet.
5. Do you think Coolie is a subaltern novel? Discuss.
6. Write an essay on characterization in Iarins Sahib.
7. Write a note on 'Soliloquies and Sougandhi'.
8. What are Ambedkar's views on the Shudras? Discuss.

Roll No. _____

[Total No. of Pages : 1

PGIS-228-A-22
M.A. I Semester Degree Examination
ENGLISH
Translation Studies
Paper : SC- 1.3

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Attempt any **FIVE** questions.
2. All questions carry equal marks. Q.No.1 is compulsory.

I. Write short notes on any **FOUR.**

(4×4=16)

1. a) Politics in Translation.
b) Religious texts
c) Translatology
d) Sir William Jones
e) Susan Bassnett
f) Tejaswini Niranjana
g) S.E. Fish.

II. Answer any **FOUR of the following.**

(4×16=64)

2. Give the definition meaning and scope about translation.
3. Explain different stages of Translation history.
4. Comment on translation as on inter-disciplinary activity.
5. Do you think translation can be a re-writing in another language?
6. What are dynamics of translation in different discoveries?
7. Write a note on translation and gender.
8. Comment on literary translations. Provide examples.

Roll No. _____

[Total No. of Pages : 1

PGIS-229 -A-22
M.A. I Semester Degree Examination
ENGLISH
Indian Diasporic Literature
Paper : SC - 1.4

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i. Attempt any Five questions.
- ii. All questions carry equal marks. Q.No 1 is compulsory.

Write short notes on any **Four**.

(4×4=16)

1. a) Sugar Diaspora
b) Parsi Diaspora
c) Expatriate writing
d) V.S. Naipaul
e) M.G. Vassanji
f) Jhumpa Lahiri
g) The Palace of Illusion.

Answer any **FOUR** of the following.

(4×16=64)

2. Write a note on Exile from Home Coming.
3. Do you think The White Tiger provides a darkly humorous perspective of India's class struggle? Explain.
4. What are the major themes in the novel Midnight's children?
5. What is Buddha of Suburbia all about? Explain.
6. Comment on Gustad Noble, as the protagonist of Such a Long Journey.
7. Consider wife as a diasporic novel.
8. What is unique about 'The Veil'?

Roll No _____

[Total No. of Pages : 2

PGIS-026-A-22
M.Sc. I Semester (CBCS) Degree Examination
COMPUTER SCIENCE
Operating System Principles
Paper : SCT 1.1
(New Syllabus)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Section - A is compulsory
2. Answer any Five questions from Section - B

SECTION - A

Answer the following questions.

(10×2=20)

1. a) Define Operating System.
b) What is the purpose of command interpreter?
c) What is the main function of Virtual Machines?
d) What is Job Queue?
e) What is User threads and kernel threads?
f) How to calculate turnaround time?
g) What is valid-invalid bit in a page table?
h) What is Swapping?
i) List the file attributes.
j) What is General graph directory?

SECTION - B

Answer any Five of the following questions.

(5×12=60)

2. a) Describe the major categories of system calls. (6)
b) Illustrate Real-time systems in detail. (6)

3. a) Describe the services provided by Operating System. (6)
 b) Explain MS-DOS layer structure with a neat diagram. (6)
4. a) Consider the following set of processes with CPU burst time given. (6)

Process	Burst time	Arrival time
P1	5	0
P2	24	1
P3	16	2
P4	10	3
P5	3	4

- i) Draw Gantt chart for FCFS.
 ii) Calculate the average waiting time.
 iii) Calculate the average turnaround time.
- b) Discuss the Bounded-Buffer Problem in detail. (6)
5. a) List the requirements that solution to critical-section problem must satisfy. (6)
 b) Differentiate between Process and Threads. (6)
6. a) Describe necessary conditions for a deadlock situation to arise. (6)
 b) How memory allocation is performed? What is first fit, best fit and worst fit strategies? (6)
7. a) List and explain the common file types. Write the function of each file type. (6)
 b) With a neat diagram explain File system structure. (6)
8. Write notes on any **Two** of the following. (2×6=12)
- a) Mainframe Systems.
 b) PCB.
 c) Segmentation.
 d) Consistency Semantics.

Roll No _____

[Total No. of Pages : 2

PGIS-023-A-22

M.Sc. I Semester (CBCS) Degree Examination

COMPUTER SCIENCE

Digital Logic

Paper : HCT 1.1

(New Syllabus)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Section - A is compulsory.
2. Answer any Five questions from Section - B.

SECTION - A

Answer the following questions.

(10×2=20)

1. a) Convert $(1010010.001)_2$ to equivalent decimal number.
b) Why complements are required?
c) Prove that $A.A=A$.
d) What is non degenerate forms?
e) Define adders.
f) What is prime implicants?
g) Why magnitude comparators are required?
h) What is sequential circuit?
i) Define shift register.
j) What is timing sequence?

SECTION - B

(5×12=60)

2. a) Explain basic logic gates with their symbols and truth table. (6)
b) Perform the subtraction of decimal number 4444-88888 by using 10's. and 9's complement method. Check the answer by straight subtraction. (6)

3. a) State and prove Demorgan's theorms for three variables and verify by using truth table. (6)
- b) Express Boolean function $F(A,B,C,D) = D(A^1+B)+B^1D$ in a sum of minterms (6)
4. a) Simplify the following Boolean function F with don't care condition by using K-map
 $F(A, B, C, D) = \sum(1, 2, 6, 7, 8, 13, 14, 15)$ and $D(A, B, C, D) = \sum(3, 5, 12)$. (6)
- b) Implement the Boolean function by using NAND gates. $F(W, X, Y, Z) = W.X.Y+X.Y.Z+Y.Z.W$ (6)
5. a) Design and explain Half Subtractor. (6)
- b) Design and explain combinational circuit which convert BCD number to its corresponding 7bit ASCII bit. (6)
6. a) Design and explain 3 to 8 line decoder. (6)
- b) Explain JK flipflops with circuit diagram and characteristic table. (6)
7. a) Design 4-bit Binary Ripple counter. Explain in detail. (6)
- b) Illustrate shift micro operations with an example (6)
8. Write notes on any two of the following. (2×6=12)
- a) Integrated circuits.
- b) AND - OR - INVERT.
- c) Demultiplexers.
- d) Instruction codes.

Roll No. _____

[Total No. of Pages : 1

PGIS-065-A-22
PGDCP&SA I Semester Examination
COMPUTER SCIENCE
Computer Fundamentals and Digital logic
Paper : HCT - 1.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. Answer any **FIVE** questions.
 2. All questions carry **equal** marks.
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1. a. Briefly explain the generation of computers. (8)
b. Draw the basic organization of digital computer and explain. (8)
 2. a. What is output device? Explain floppy disk and hard disk. (8)
b. Write a note on OCR and OMR. (8)
 3. a. What is logic gate? Explain basic logic gates with their symbol, truth table and circuit. (8)
b. Explain Boolean laws. (8)
 4. a. Discuss four variable K - map. (8)
b. Simplify $\overline{AB}(\overline{A} + B)(\overline{B} + B)$. (8)
 5. a. What is Encoder? Explain. (8)
b. Draw the truth table of a full subtractor circuit. Write a minterm boolean expression for difference and borrow output. (8)
 6. a. Give the differences between sequential and combinational circuits. (8)
b. Explain the working of JK flip - flop with truth table and also explain timing diagram. (8)
 7. a. What is register? Explain the registers of CPO. (8)
b. Define bus? Explain system bus in detail. (8)
 8. a. List the components inside a computer. (8)
b. Discuss any latest five processors available in market. (8)

PGIS-065-A-22/2022