

is question paper contains 4 printed pages.]

Your Roll No.....

No. of Question Paper : 8301

que Paper Code : 61018109

ne of the Paper : Computer Applications in
Communication and Media Design
(GEC-1.3)

ne of the Course : B.Voc. (Printing Technology &
Web Designing) (CBCS)

nester : I

ration : 3 Hours

ximum Marks : 50

33

Instructions for Candidates

Write your Roll No. on the top immediately on receipt of this question paper.

All questions are compulsory..

Parts of question must be answer together.

Marks are indicated against each question.

SECTION A

Give the full forms of the following (attempt any five):

(1x5=5)

P.T.O.

(a) ALU

(b) CPU

(c) CAD

(d) CBI

(e) CAE

(f) ICT

2. (a) Explain the different forms of ICT.

(b) What are the uses of ICT in teacher's education?

OR

(a) Discuss the strength and weakness of ICT.

(b) What are the characteristics of Computer (any five)

3. Write a short notes on the following (attempt any four)

(2.5×4=)

(a) Drill and practice method

(b) Tutorial method

(c) Gaming method

- (d) Discovery method
- (e) Computer assisted instruction (CAI)
- (f) Computer managed instruction (CMI)

SECTION B

Write a short notes on the following: (2.5×4=10)

- (a) Corel draw
- (b) Paint
- (c) Photoshop
- (d) Page maker

What are the slideshow in power point? Write the steps to create a slideshow. (5)

OR

What are the Header and Footer? What are the advantages of the same? (5)

SECTION C

- (a) What are the issues and challenges of ICT education in India? (5)

P.T.O.

(b) How can ICTs be used to combat corruption in education sector in India?

OR

(a) How computer can be used as medium for learning computer education? Explain.

(b) What are the barriers in expansion of computer education?

[This question paper contains 4 printed pages.]

Your Roll No.....

No. of Question Paper : 8303

Question Paper Code : 62341101

Name of the Paper : Computer Fundamentals(GEC-1.2)

Name of the Course : B.VOC. (CBCS)

Semester : I

Duration : 3 Hours

Maximum Marks : 50

Instructions for Candidates

Write your Roll No. on the top immediately on receipt of this question paper.

Section A is compulsory.

Attempt **any five questions** from **Section B**.

Section A

(a) Give full forms of: (4)

(i) SRAM

(ii) ALU

(iii) DVD

P.T.O.

(iv) BIOS

(b) 1 Gigabyte (GB) = _____ MB = _____ KB

(c) What are the key factors that characterize the memory?
(any two)?

(d) Name any two Human data entry devices.

(e) What is the function of Motherboard?

(f) Arrange the following in increasing order of their speed:
Supercomputer, Microcomputers, Mainframe computers,
Minicomputers. How is the speed of supercomputer
measured (Give its unit only)

(g) What is ASCII coding scheme?

(h) What is the use of OCR?

(i) Give the 2's complement of 110110

Section B

2. (a) What is Operating System? Explain any two types of operating system.

(b) What is the purpose of Application Software? Give two examples of system software.

3. (a) Explain in detail the components of computer hardware.

(b) Explain briefly the use of computers in the following areas: (3)

(i) Education,

(ii) Business

4. (a) Give the names and purpose of any three types of registers? (3)

(b) What is cache memory? Explain its need. (3)

5. (a) What is flash memory? Give its features (3)

(b) Define (i) seek time, (ii) latency time, (iii) data transfer rate of the magnetic disk. (3)

6. (a) Differentiate hand-held scanners and flat-bed scanners. (3)

(b) Define a bus? Explain any two types of buses. (3)

7. Convert the following:

(i) $(110110.01)_2 - (?)_{10}$ (2)

(ii) $(3232)_{16} - (?)_8$ (2)

(iii) Perform the binary arithmetic to calculate $:(+12) + (+10)$ (2)

P.T.O.

8. Write short notes on (Any Two):

(a) Bluetooth

(b) Data mining

(c) Cloud Computing

[This question paper contains 6 printed pages.]

Your Roll No.....

Pr. No. of Question Paper : 8304

Unique Paper Code : 72032801

Name of the Paper : English-A (GEC-1.1)

Name of the Course : B.VOC. (CBCS)

Semester : I

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

. Write your Roll No. on the top immediately on receipt of this question paper.

Attempt all the Questions and Parts.

. Write short notes on any five of the following in not more than 30-40 words:

(a) Oral Communication

(b) Formal Communication

(c) Paralanguage

(d) Written Communication

P.T.O.

(e) Proxemics

(f) Feedback

(g) Decoding

(5x2=10)

2. Answer any two of the following:

(a) What are the different types of non-verbal communication?

(b) Discuss the differences between oral and written communication.

(c) Explain the process of communication.

(d) Discuss the seven C's of effective communication?

(2x5=10)

Part- A

3. (a) Write a conversation between two students who are discussing about how this year's college festival can be made environmental friendly?

OR

(b) The sales manager of ABC company complains to the production manager about the delay in the supply of the product to another company. Write down a conversation between them on this issue

Part- B**(10)**

- (a) You are a famous journalist. Draft an interesting interview with a politician discussing the role of education in gender equality.

OR

- (b) Imagine that you have to appear for an interview in SWITCH2CFL for the post of product manager. Write down the interview that you anticipate will happen.

Part- C**(5)**

Prepare a public speech in about 100-150 words on any of the following:

- (a) Dream, dream, dream. Dreams transform into thoughts and thoughts result in action.

OR

- (b) Execution is more important than planning.

Part- A**(10)**

Read the following passage and answer the questions that follow:

Most of us take life for granted. We know that one day we

P.T.O.

must die, but usually we picture that one day as far in the future. When we are in buoyant health, death is all but unimaginable. We seldom think of it. So, we go about our pretty task, hardly aware of our listless attitude toward life. The same lethargy, I am afraid, characterizes the use of all our faculties and senses. Only the deaf appreciate hearing, only the blind realize the manifold blessing that light is in sight. This observation applies to those who have never suffered impairment of sight or hearing. They seldom make the fullest use of these blessed faculties. Their eyes and ears take in all sights and sounds hazily, without concentration, and with little appreciation. It is the same old story of not being grateful for what we have until we lose it, of not being conscious of health until we are ill. I have often thought it would be a blessing if each human being were stricken blind and deaf for a few days at some time during his early adult life. Darkness would make him more appreciative of sight; silence would teach him the joys of sound.

- (a) What does the writer mean by 'most' of us take life for granted?
- (b) When is death unimaginable?
- (c) Make sentences with five of the following words: buoyant, unimaginable, seldom, lethargy, conscious, impairment, hazily, appreciative.

Part- B

(5)

(a) Write a summary of the given passage in 60-80 words:

One day, a guru foresaw in a flash of vision what he would be in his next life. So, he called his favourite disciple and asked him what he would do for his guru in return for all he had received. The disciple said he would do whatever his guru asked him to do.

Having received this promise, the guru said, "Then this is what I'd like you to do for me. I've learned that when I die, which will be very soon, I'm going to be reborn as a cat. Do you see that cat eating garbage there in the yard? I'm going to be reborn as the fourth kitten of its next litter. You'll recognise me by a mark on my brow. When that cat has littered, find the fourth kitten with a mark on its brow and, with one stroke of your knife, slaughter it. I'll then be released from a cat's life. Will you do this for me?"

The disciple was sad to hear all this, but he agreed to do as he had promised. Soon after this conversation, the guru did die. And the cat did have a litter of four little kittens. One day, the disciple sharpened his knife and picked out the fourth little kitten, which did indeed have a mark on its brow. Just as he was about to bring down his knife to slit its throat, the little kitten suddenly spoke. "Stop! Don't kill me!" it screamed.

P.T.O.

Before the disciple could recover from the shock of hearing, the little kitten speaks in a human voice, it said "Don't kill me. I want to live on as a cat. When I asked you to kill me, I didn't know what a cat's life would be like. It's great! Just let me go."

O R

- (b) Write a short note on summary and paraphrasing.
5. (i) As a member of the NSS group of your college, write a report for your college magazine on a recently organised blood donation camp by the 'group.

O R

- (ii) You are a member of the theatre group of your college. Recently your college hosted the annual inter-college 'nukkadnatak' competition. Write a report of this event for your college newsletter.
6. (i) You are Avishi Kapoor. Write a letter to the editor of The Hindu about the impact of demonetization.

OR

- (ii) You are Vikas Diwan. Write a letter to your friend Kiran telling her your opinion about electronic commerce and electronic currency.

[This question paper contains 3 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8307

Unique Paper Code : 61018307

Name of the Paper : (GEC-3.2) Graphic Designing and
visual Image

Name of the Course : B. VOC. (CBCS) Printing
Technology

Semester : III

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer five questions in all.
3. Selecting at least one question from each section.

SECTION-A

1. Explain the principles of design. (15)
2. What are the various stages of Layout Planning? Discuss in detail. (15)

P.T.O.

SECTION-B

3. List the software feature of CorelDraw, Photoshop and InDesign. (15)
4. Explain color and different type color schemes. (15)

SECTION-C

5. Explain 5 different type of tools used to extract the image in Photoshop. (15)
6. Explain any 3 (5X3=15)
 - (a) Interactive Blend tool
 - (b) 3-point curve
 - (c) Interactive Extrude tool
 - (d) Smart Drawing tool

SECTION-D

7. Explain the colour theory with reference to followings (15)
 - (a) Primary color
 - (b) Secondary color

(c) Tertiary color

9. Discuss the main features of Tabloid, differentiate it from broad sheet. (15)

SECTION-E

10. What are the important points to be kept in mind while working on DTP? (15)

11. Write short notes on any three of the followings- (15)

(a) Interactive Contour tool

(b) Eye dropper tool

(c) Spot color

(d) Morphing

(e) Run around

[This question paper contains 5 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8306

Unique Paper Code : 61018303

Name of the Paper : (GEC-3.1) English

Name of the Course : B.Voc (Retail Management,
Healthcare Management, Printing
Technology) (CBCS)

Semester : III

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.

Attempt all questions

2. St. Xavier's College in Mumbai is organizing a three day event celebrating the various cultural diversity of India. As a keen student you want to participate. Write an official application to the principal of your college requesting permission to attend the event. Mention the importance of celebrating cultural diversity.

P.T.O.

OR

Write an application to your teacher in charge explaining your absence from class for two weeks due to an illness/ family event/ sports tournament. Provide details about the option you choose. (10)

2. Write a review on any one of the following in 200 words-

(a) Most recent film you watched

(b) Your favorite book

(c) Any theatrical drama (10)

3. Punjab University has invited applications for the post of a teaching assistant in the subject you are pursuing. You found the advertisement from a newspaper dated 21st October 2017. Write a cover letter and a resume applying for the post.

OR

You have heard from a friend regarding a possible vacancy at a company that you have always wanted to work for. Write a cover letter and a resume inquiring about the possible vacancy. (5+10=15)

4. You recently participated in your college annual festival as a part of the organizing team/cultural programme/hosts for the first time and you enjoyed immensely. Write a diary entry expressing your feelings.

OR

Write a diary entry describing your college experience so far. Include details such as your friends, teachers, favorite subjects, etc. (10)

- (a) Write a letter to your brother/sister who lives in a different state for their studies inquiring about their well-being and sharing your experience with your own college life as well.

OR

You have been selected as a part of the college debate team which you are very happy and excited about. Write a letter to your parents giving them the happy news. (7)

- (b) Write a letter to the editor of your local newspaper regarding the need for more streetlights in your locality.

OR

Write a letter to the sales manager of Bajaj electricals inquiring about a bulk order of sewing machines that you need to buy for your small tailoring business. (8)

P.T.O.

6. Read the following passage and make notes. Summarize the passage in about 70 words and give it an appropriate title.
(5+8+2=15)

Communication is part of our everyday life. We greet one another, smile or frown, depending on our moods. Animals too, communicate, much to our surprise. Just like us, interaction among animals can be both verbal or non-verbal.

Singing is one way in which animals can interact with one another. Male blackbirds often use their melodious songs to catch the attention of the females. These songs are usually rich in notes variation, encoding various kinds of messages. Songs are also used to warn and keep off other blackbirds from their territory, usually a place where they dwell and reproduce.

Large mammals in the oceans sing too, according to adventurous sailors. Enormous whales groan and grunt while smaller dolphins and porpoises produce pings, whistles and clicks. These sounds are surprisingly received by other mates as far as several hundred kilometers away.

Besides singing, body language also forms a large part of animals' communication tactics. Dominant hyenas exhibit their power by raising the fur hackles on their necks and shoulders, while the submissive ones normally "surrender"

to the powerful parties by crouching their heads low and curling their lips a little, revealing their teeth in friendly smiles.

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8311

Unique Paper Code : 61018314

Name of the Paper : (GEC-3.3)-Life Skills Education

Name of the Course : **B. VOC. (CBCS)**

Semester : III

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions in all.
3. **Every** questions has equal marks. (15x5= 75)

1. (a) Define the term Life Skills Education.

(b) Define Problem Solving.

(c) Difference between Sympathy and Empathy.

2. Explain the two methods that are commonly used in organizing life skills program.

P.T.O.

3. Discuss in details about the role of Intelligence and Creativity in the life skills education.
4. Write the definition of Adolescents and Youth and explain in details about role of youth in Nation development.
5. Explain briefly about all core life skills.
6. What are the three main steps in adaptation of a life skills programme development?
7. Define (any two)
 - (i) Self- Awareness
 - (ii) Coping with stress
 - (iii) Decision Making.

[This question paper contains 5 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8313

Unique Paper Code : 61018341

**Name of the Paper : (GEC-3.2) Statistical Data Analysis
Using R**

Name of the Course : B. VOC. (CBCS)

Semester : III

Duration : 2 Hours

Maximum Marks : 50

Instructions for Candidates

Write your Roll No. on the top immediately on receipt of this question paper.

Section A compulsory, Attempt any four questions from Section B.

Section A

Fill in the blanks:

(a) The.....function allows us to “remove objects from a specified environment”

P.T.O.

- (b) The basic R function.....is used to import text file.
- (c) Theformat allows R users to easily read in Excel files.
- (d) The Function is used to make histogram in R
- (e) A command is used for "logarithm of x with base n" i
..... (1x5)

2. Identify true and false from the following

- (a) CRAN task view shows the subject wise list of packages in R.
- (b) R is very expensive software in comparison of SAS.
- (c) A command "rnorm" is used to generate random numbers from normal distribution with given mean and standard deviation.
- (d) R is a case sensitive language.
- (e) Empty vectors can be created with the vector() function (1x5)

3. Answer the following

- (a) What is the difference between R and R studio?

- (b) What do you understand by p-value? What is its significance in testing of hypothesis?
- (c) Write the code to generate 10 random numbers from binomial and uniform distribution.
- (d) If x is a vector of length n , write R command to calculate $\frac{1}{n} \sum_{i=1}^n |x_i - \bar{x}|$.
- (e) Write $P(X = x)$ for $x=0,1,2,3,4,5$ when $\lambda = 1$ and $X \sim \text{Poisson}(\lambda)$. (2x5)

Section B

(Attempt any four questions from the following.)

- (i) How to import data file in R. How the Summary function works in R.
- (ii) Draw a pie chart for the following:

Favourite Type of Movie

Comedy	Action	Romance	Drama	Horror	Art	Suspence
10	12	8	4	2	2	2

(4+3.5)

Write R code to:

- (i) Generate 100 random numbers from normal distribution with mean 3 and variance 10 and comment on the mean

P.T.O.

and standard deviation of random numbers.

(ii) Construct histogram for part (i) with title 'Histogram'

(iii) Draw frequency curve on histogram. (3.5+2+2)

6. (i) What do you understand by the term correlation?

(ii) Why there are two lines of regression?

(iii) Explain the relationship between correlation coefficient and regression coefficient.

(iv) If the two lines of regression are given, then how their mean can be calculated? (2+2+1.5+2)

7. Find the equation of linear relationship for the following data

X	Y
1	16
2	23
4	35
3	28
5	44
6	40
3	22
8	61
9	82

(7.5)

8. A company selects eight salesmen at random and their sales figures for the previous month are recorded. They then undergo a training course devised by a business consultant, and their sales figures for the following month are compared as shown in the table

Previous Month	75	90	94	95	100	90	70	64
Following Month	77	101	93	92	105	88	76	68

Write the null and alternative hypothesis. Select the correct statistical method and check has the training course caused an improvement in the salesmen's ability? (7.5)

Following data represent the number of generating seeds among 10 seeds on damp filter paper for 80 sets of seeds. Fit the binomial distribution and frame the data set into the table.

x	0	1	2	3	4	5	6	7	8	9
f	6	20	28	12	8	6	0	0	0	0

(7.5)

(200)

