



ST. JOSEPH'S COLLEGE, PRAYAGRAJ

SECOND UNIT TEST 2024 COMPUTER APPLICATIONS

TIME: 1 Hour

CLASS – IX

MM: 30

SECTION – A

Q 1) Choose the correct option (each question carry ½ half mark)

[4]

- 1) In a nested if structure, when number of if's is more than the number of else clauses is called
(a) if ..else problem (b) else without if (c) dangling else problem (d) switch problem
- 2)statement takes the control out of the switch case.
(a) return (b) break (c) continue (d) stop
- 3) The expression used in switch-case must be integer or
(a) double (b) float (c) boolean (d) char
- 4) refers to the way in which the switch statement executes all its case sections.
(a) dangle else (b) fall through (c) run through (d) jump through
- 5)is a distinctive sign that helps consumer to identify the source of particular goods or services
(a) patent (b) copyright (c) trade secret (d) trademark
- 6) are unwanted bulk emails that comes from any unknown sources.
(a) spams (b) ebomb (c) ransomware (d) spyware
- 7) refers to the unauthorized copying and distribution of software.
(a) cybercrime (b) piracy (c) hacking (d) privacy
- 8) is an email scam disguised as official communication from a legitimate website.
(a) spamming (b) trojan (c) spyware (d) phishing

Q 2) Answer the following questions:

[10]

- 1) Differentiate between switch-case and if-else statement
- 2) Which statement is used to terminate currently running program?
- 3) What is the significance of the default statement in switch-case based programs?
- 4) What are Computing Ethics?
- 5) Name any two Intellectual Property Rights.
- 6) Write any two guidelines to be followed while using a computer.
- 7) What precautions one should take to protect our system from malicious code/virus?
- 8) What is Incognito Mode? Explain
- 9) Explain (i) Spyware (ii)Denial of Service(DOS Attacks)
- 10) What do you understand by - (i) Softlifting (ii) Hard Disk Loading

SECTION – B

(JAVA PROGRAMMING)

Q 3) Write a program to input the length and breadth of a rectangle. Develop a menu based program that accept a user's choice and find its:

[8]

- 1) Area
- 2) Perimeter
- 3) Diagonal

Formula:

Area= $l*b$;

Perimeter= $2*(l+b)$,

Diagonal= $\sqrt{l^2 + b^2}$

Q 3) Write a program to enter four digit number. Calculate and print sum of all even digits and product of all odd digits present in entered number.

[8]

Sample Input: 4583

Sample Output:

Sum of even digits are $4+8=12$

Product of odd digits are: $5*3=15$

**“Your first
experience
with
programming
shapes how
you see it
forever”**

A right teacher can make coding fun, clear, and exciting. Others can make it confusing and frustrating.

That's why we focus on making sure beginners get the right guidance from the start so they don't lose interest, they gain confidence.

Online videos are a great start but they usually skip the harder parts of programming logic in each topic.

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