Reg. No. :

Name :

FY-45

FIRST YEAR HIGHER SECONDARY EXAMINATION, MARCH 2020

Part – III

COMPUTER APPLICATION

(HUMANITIES)

Maximum : 60 Scores

Time : 2 Hours

Cool-off time : 15 Minutes

General Instructions to Candidates :

- There is a 'Cool-off time' of 15 minutes in addition to the writing time.
- Use the 'Cool-off time' to get familiar with questions and to plan your answers.
- Read questions carefully before answering.
- Read the instructions carefully.
- Calculations, figures and graphs should be shown in the answer sheet itself.
- Malayalam version of the questions is also provided.
- Give equations wherever necessary.
- Electronic devices except non-programmable calculators are not allowed in the Examination Hall.

വിദ്യാർത്ഥികൾക്കുള്ള പൊതുനിർദ്ദേശങ്ങൾ :

- നിർദ്ദിഷ്ട സമയത്തിന് പുറമെ 15 മിനിറ്റ് 'കൂൾ ഓഫ് ടൈം' ഉണ്ടായിരിക്കും.
- 'കൂൾ ഓഫ് ടൈം' ചോദ്യങ്ങൾ പരിചയപ്പെടാനും ഉത്തരങ്ങൾ ആസൂത്രണം ചെയ്യാനും ഉപയോഗിക്കുക.
- ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- നിർദ്ദേശങ്ങൾ മുഴുവനും ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- കണക്ക് കൂട്ടലുകൾ, ചിത്രങ്ങൾ, ഗ്രാഫുകൾ, എന്നിവ ഉത്തരപേപ്പറിൽ തന്നെ ഉണ്ടായിരിക്കണം.
- ചോദ്യങ്ങൾ മലയാളത്തിലും നല്ലിയിട്ടുണ്ട്.
- ആവശ്യമുള്ള സ്ഥലത്ത് സമവാക്യങ്ങൾ കൊടുക്കണം.
- പ്രോഗ്രാമുകൾ ചെയ്യാനാകാത്ത കാൽക്കുലേറ്ററുകൾ ഒഴികെയുള്ള ഒരു ഇലക്ട്രോണിക് ഉപകരണവും പരീക്ഷാഹാളിൽ ഉപയോഗിക്കുവാൻ പാടില്ല.

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Answer any 5 questions from 1 to 6. Each carries 1 score.   **(5 × 1 = 5)**

1. The functions of CPU are performed by three components : ALU, CU and _____ .
    (a)   RAM   (b)   Registers   (c)   ROM

2. Pick the odd one out.
    (a)   Printer   (b)   Plotter   (c)   Scanner

3. Choose the correct absolute reference.
    (a) $B4   (b) B4   (c)   B4

4. Which of the following is not a presentation software ?
    (a)   PowerPoint   (b)   GIMP   (c)   Impress

5. The letter K in CMYK colour scheme represents _____ colour.
    (a)   Black   (b)   Blue   (c)   White

6. The idea of www was proposed by
    (a)   Tim Berners Lee   (b)   Vinton Gray Cerf   (c)   John Von Neumann

PART – B

Answer any 9 questions from 7 to 18. Each carries 2 scores.   **(9 × 2 = 18)**

7. Distinguish between data and information.

8. List the characteristics of computers.

9. Differentiate Interpreter and Compiler.

10. Define 'Print range' in Spreadsheet.

11. Write the use of following text functions :
    (a)   UPPER ( )
    (b)   LEN ( )

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12. What is slide master ?

13. What are the different ways of setting slide background ?

14. Briefly explain any two selection tools in GIMP.

15. What is the use of "Paths" tool in GIMP ? Define anchor point.

16. Match the following :

	A		B
(a)	Distorts	(i)	Lens Flare
(b)	Blur	(ii)	Clothify
(c)	Artistic	(iii)	Ripple
(d)	Light and Shadow	(iv)	Pixelize

17. Write the different sections of an e-mail message.

18. List the various types of interactions in e-Governance.

PART – C

Answer any 9 questions from 19 to 30. Each carries 3 scores.   **(9 × 3 = 27)**

19. Compare ASCII and Unicode.

20. Briefly explain any three e-Waste disposal methods.

21. Prepare a short note on
    (a) Freeware
    (b) Shareware

22. How the following activities are done using spreadsheet ?
    (a) Insert a column
    (b) Merge adjacent cells
    (c) Freezing a row

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23. List and explain standard chart elements.

24. What do you mean by 'filtering' in spreadsheet ? Name the two types of filters.

25. Explain any three views of presentation slides.

26. Compare Raster and Vector images.

27. Describe additive and subtractive colour schemes.

28. Briefly explain any three network topologies.

29. Explain the working of a search engine.

30. Write a note on any three ICT enabled services.

PART – D

Answer any 2 questions from 31 to 33. Each carries 5 scores.   **(2 × 5 = 10)**

31. (a) Explain three types of primary memories.   **(3)**
    (b) Write the names of any two auxiliary memory and their features.   **(2)**

32. (a) Describe the following transform tools in GIMP :   **(3)**
    (i) Crop
    (ii) Rotate
    (iii) Shear
    (b) Identify the transform tools used for the activities given below.   **(2)**
    (i) To create a mirror image
    (ii) To move layers or selections

33. (a) Define Computer Network.   **(1)**
    (b) Explain the classification of computer networks on the basis of size.   **(4)**

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