Part - III
COMPUTER APPLICATION (HUMANITIES)
Maximum : 60 Scores

General Instructions to Candidates:

- There is a 'Cool off time' of 15 minutes in addition to the writing time of 2 hrs.
- You are neither allowed to write your answers nor to discuss anything with others during the 'cool off time'.
- Use the 'cool off time' to get familiar with questions and to plan your answers.
- Read the questions carefully before answering.
- All questions are compulsory and only internal choice is allowed.
- When you select a question, all the sub-questions must be answered from the same question itself.
- 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 nonprogrammable calculators are not allowed in the Examination Hall.
1. Which one of the following numeric coding system uses 16 bit representation?
   a) ASCII
   b) EBCDIC
   c) ISCII
   d) Unicode

2. Result of arithmetic and logical operations are stored in .......... register.
   a) MAR
   b) Accumulator
   c) MBR
   d) PC

3. Which one of the following memory is nonvolatile?
   a) ROM
   b) Cache memory
   c) RAM
   d) All of these

1. നിരക്കിൽ വാക്കുകൾ തെറ്റിയാൽ ഏതാണെന്ന് 16 ബിറ്റ് നിരക്കിൽ പ്രകാശിച്ചെടുക്കുന്നത്?
   നിരാശാശ്രീ
   അക്ഷരം
   ഇസ്കൈ
   ഡിജിറ്റൽ

2. സംഖ്യാശാസ്ത്രീയ പ്രക്രമങ്ങളും ലഘുകലാർത്ഥങ്ങളും ഉൾപ്പെടെ ഉണ്ടാകുന്ന ഫലങ്ങളും ഏതൊരു നിരാശാശ്രീ എന്ന് ..............
   സ്ഥിരായാണ് അങ്കനായി വാക്ക്
   മെമ്മോറി റെജിസ്ടർ
   മിക്‌റ്റ്
   പ്രൊസിസസർ

3. നിരക്കിൽ വാക്കുകൾ തെറ്റിയാൽ എന്താണ് പ്രോസിസസർ എന്ന്?
   സ്ഥിരായാണ് അങ്കനായി വാക്ക്
   പാരാമെമ്മോറി
   മിക്‌റ്റ്
   എല്ലാവഴികൂടാതെ
4. Which command is used for freezing rows and columns of worksheet?
   a) Format -> sheet -> freeze
   b) Window -> freeze
   c) File -> freeze
   d) Data -> sheet -> freeze (1)

5. Write the function used in spreadsheet to find the lowest value from a set of given numbers. (1)

6. Which one of the following view shows thumbnail of each slide?
   a) Normal view
   b) Outline view
   c) Slide sorter view
   d) Handout view (1)

7. Which one of the following tool perform selection based on colour similarities?
   a) Lasso tool
   b) Magic wand
   c) Ellipse select
   d) All of these (1)
8. In 'Additive colour scheme', presence of all colours gives ........
   a) Black colour
   b) White colour
   c) Red colour
   d) No colour

9. Which one of the following network crosses the limits of continents?
   a) WAN
   b) LAN
   c) PAN
   d) MAN

10. Different network with different protocols are connected using ...........
    a) Bridge
    b) Gateway
    c) Switch
    d) Router
11. .......... is a text file created during browsing that collects private information about a user.
   a) Spam
   b) Cookie
   c) Worm
   d) Dos

12. List any two e-learning tools.

13. Differentiate between data and information.

14. Categorize the following devices into two. Name each category.
    Ploter, LCD, Joystick, OMR, DMP, Microphone.

15. Write the meaning of the following function in spreadsheet.
    = COUNTIF (B1 : B10, "> =40")

16. "Slide transitions creates attractive effects in presentation".
    What is slide transition? Give two examples.
17. Explain the advantage of using layers in Gimp.

OR

Explain Blur filter in Gimp using examples.

18. Write a note on MAC address.

19. Explain the following in connection with internet.
   a) Li-Fi network
   b) Phishing

20. Define computer. Explain its characteristics.

21. Why we need language processors? Explain the different types of language processors.


OR

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OR

Explain autofilter facility available in spreadsheet.

23. What is an action object? Explain how to create an action object in presentation.

24. Image editors are broadly classified into raster graphic editors and vector graphic editors. Differentiate between these two.

25. Write the uses of path tool in Gimp. Explain how path tool is used for aligning a text line to the path.

26. Social media is the modern trend of communication. Explain the advantages and risks that a person face in the social media.

27. What is e-governance? Explain the benefits and challenges of e-governance.
28. Explain the different communication media used in data communication. [Draw the necessary diagrams.] (5)

OR

Explain the different topologies used in a computer network. [Draw the necessary diagrams.] (5)

29. What is the use of charts in spreadsheet? Explain the elements of chart and different types of charts used. (5)