

DVTEE-201

ICT RESOURCES AND APPLICATIONS-II

D. Voc. (Technology Enabled Education)

Second Semester Examination, 2021 (Winter)

Time : 2 Hours]

Max. Marks : 100

Note : This paper is of Hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty six (26) marks each. Learners are required to answer any Two (02) questions only.

(2×26=52)

1. (a) Describe the ICT (Information & Communication Technology) oriented educational initiatives by the Govt, of India. [14]

- (b) List the Applications ICT in education. [12]
2. (a) How different learning environments are helpful for learning? [14]
- (b) Briefly explain the various types of learning environments. [12]
3. (a) How infographics are useful for presenting information? Explain the role of infographic to present information in well suited form. [14]
- (b) How to use bullets and numbering in a Word document? Write the steps to use numbering in a Word document. [12]
4. (a) Write the suitable steps to apply headers and footers in a Word document. [14]
- (b) Write a short note on 'Change case'. How it is useful in a Word document? [12]
5. (a) Use the following MS Excel functions (also write the correct syntax), As- Max(), Average(), if(), Count(), sum(), left(), countif(). [14]
- (b) Briefly explain the components of the MS PowerPoint window. [12]

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only.

(4×12=48)

1. (A) List the different types of tools used in technology enabled learning? [6]
(B) Explain the educational technologies used 21st century. [6]
2. (A) Explain the key features of Raster and Vector images. [6]
(B) What do you understand by resolution? Explain. [6]
3. (A) How to design an effective infographic? Also, list the characteristics of infographics. [6]
(B) List the minimum five Open-Source image editing tools. [6]
4. (A) How can you use Google Sheets? Write the suitable steps to create a Google sheet with the following fields, i.e. Name, Mobile No, Address, and Pin Code. [6]
(B) What do you understand by IP addressing system? Explain. [6]

5. Write a short note on Transmission Control Protocol/ Internet Protocol (TCP/IP). [12]
6. What do you understand by web development tools? Briefly define the Web Development, Scripting languages, and database. [12]
7. Define the following- Browser, Content Management System, Operating System. [12]
8. Write the full name (any 06) of the following abbreviated terms :
- (i) LMS
 - (ii) BMP
 - (iii) PDF
 - (iv) HTTPS
 - (v) ISP
 - (vi) IPv4
 - (vii) FTP
 - (viii) SMTP
 - (ix) IANA
 - (x) ITU
- [12]
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