

upload a text documents of 20 pages per 10 second. What will be the required data rate of the channel?

[1 page content 2000 character and each character is 8 bits]

13. Write a short note on Software.
14. Write the full form of below mentioned word.
LCD, OLED, OS, MAN, HTTP.

Group -C

Answer any one question **1×10=10**

15. Describe different type of network topologies. Write a short note on computer protocols.
16. Classify the types of transmission media. Describe the high level language.

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DTSKSM/BCA/MDC/IS/NEP

BCA First Semester Examination(ESE) 2024

(CCFUP : NEP)

(4 -Year UG- Programme)

BCA

Paper Code : UG/I/BCA/MDC/IS

Paper Name : Indian Knowledge system

Full Marks - 50

Time - 3 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.

Group - A

Answer any three questions : 2×5=10

1. Give two example of volatile and non -volatile memory.
2. What is computer peripheral? Give two example.
3. What are hardware and software?
4. What is assembly language?
5. What do you mean by OPERAND?
6. What is the full form of PAN and VPN?
7. Convert $(FA8.2)_{16} = (?)_{10}$
8. Write a short note on Laser Printer.

Group -B

Answer any four questions : 4×5=20

9. Describe the basic architecture of a computer with a suitable diagram.
10. Describe the different type of network.
11. Difference between Modem and Router. Describe on different types of operating systems.
12. Write the three types of data communication A user wants to

12. Write the three types of data communication type. A user wants to upload a text documents of 20 pages per 10 second. What will be the required data rate of the channel ?
[1page content 2000 character and each character is 8 bits] 2+3
13. Write a short note on Software.
14. Write the full form of below mentioned word.
LCD, OLED, OS, MAN, HTTP.

Group – C

- Answer any one question** **1×10=10**
15. Describe different type of network topologies. Write a short note on computer protocols. 6+4
16. Classify the types of transmission media. Describe the high level language . 4+6

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Total Page–2

DTSKSM/B.Sc./MDC-1-IT/1S/NEP

B.Sc. Frist Semester Examination(ESE) 2024

(CCFUP : NEP)

(3-Year and 4 Year UG-I)

BCA

Paper Code : UG / I / BSc / MDC-1-IT/1S

Paper Name : IT

Full Marks - 40

Time - 3 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.

Group - A

- Answer any five questions** 2×5=10
1. Give two example of volatile and non-volatile memory.
 2. What is computer peripheral ? Give two example.
 3. What is hardware and software?
 4. What is assembly language?
 5. What do you mean by OPERAND ?
 6. What is the full form of PAN and VPN?
 7. Convert $(FA8.2)_{16} = (?)_{10}$
 8. Write a short note on Laser Printer.

Group – B

- Answer any four questions** 4×5=20
9. Describe the basic architecture of a computer with a suitable diagram .
 10. Describe the different type of network.
 11. Difference between Modem and Router. Describe on different types of operating systems. 2+3

12. Write the three types of data communication A user wants to upload a text documents of 20 pages per 10 second. What will be the required data rate of the channel?
[1 page content 2000 character and each character is 8 bits]
13. Write a short note on Software.
14. Write the full form of below mentioned word. LCD, OLED, OS, MAN, HTTP.

Group -C

- Answer any one question** **1×10=10**
15. Describe different type of network topologies. Write a short note on computer protocols.
16. Classify the types of transmission media. Describe the high level language.

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Total Page-2

DTSKSM/BCA/MDC/IS/NEP

BCA First Semester Examination(ESE) 2024

(CCFUP : NEP)

(4-Year UG- Programme)

BCA

Paper Code : UG/I/BCA/MDC/IS

Paper Name : Indian Knowledge system

Full Marks - 50

Time - 3 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.

Group - A

Answer any three questions : 2×5=10

1. Give two example of volatile and non -volatile memory.
2. What is computer peripheral? Give two example.
3. What are hardware and software?
4. What is assembly language?
5. What do you mean by OPERAND?
6. What is the full form of PAN and VPN?
7. Convert $(FA8.2)_{16} = (?)_{10}$
8. Write a short note on Laser Printer.

Group -B

Answer any four questions : 4×5=20

9. Describe the basic architecture of a computer with a suitable diagram.
10. Describe the different type of network.
11. Difference between Modem and Router. Describe on different types of operating systems.

BCA First Semester Examination(ESE) 2024

(CCFUP : NEP)

(4-Year UG- Programme)

BCA

Paper Code : UG/I/BCA/MDE101/IS

Paper Name: Indian Knowledge System and Traditions

Full Marks - 40

Time - 2 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers

Group - A

Answer any Five questions in complete Sentences : 2×5=10

পূর্ণবাক্যে যে কোনো পাঁচটি প্রশ্নের উত্তর দাও :

- a) What is the full form of IKS in the context of traditional Indian knowledge?
ভারতীয় জ্ঞান ঐতিহ্যের পরিপ্রেক্ষিতে IKS এর পূর্ণরূপ কী ?
- b) Who was Āryabhaṭṭa , and what is the title of the most famous book he authored?
আর্যভট্ট কে ছিলেন এবং তাঁর লেখা সবচেয়ে বিখ্যাত বইটির নাম কী ?
- d) Write the names of two books of Ayurveda.
আয়ুর্বেদের দুটি গ্রন্থের নাম লেখো।
- c) What is meant by Vastuvidya?
বাস্তুবিদ্যা বলতে কী বোঝায় ?
- e) How many types of Kalpa-vedanga are there in the Indian Knowledge System, and what are they?
ভারতীয় জ্ঞান পরম্পরায় কল্প-বেদাঙ্গ কয় প্রকার ও কী কী ?
- f) Who is the author of the book 'Nirukta'? How many parts is the book divided into, and what are they?
'নিরুক্ত' গ্রন্থের রচয়িতা কে ? গ্রন্থটি কয়টি ভাগে বিভক্ত ও সেগুলি কী কী ?

g) What is the meaning of the word 'Dars'ana' in the Indian philosophical System?

ভারতীয় দার্শনিক পরম্পরায় 'দর্শন' শব্দের অর্থ কী ?

h) Who is credited with writing the 'Nātyas'āstra' , the foundational text of Natya-vidya?

নাট্যবিদ্যার মূল মৌলিক গ্রন্থ 'নাট্যশাস্ত্র' লেখার কৃতিত্ব কাকে দেওয়া হয় ?

Group -B

Answer any four questions :

4×5=20

যে কোনো চারটি প্রশ্নের উত্তর দাও :

a) Briefly discuss the role and importance of Āyurveda as Upaved.

উপবেদ হিসাবে আয়ুর্বেদের ভূমিকা এবং গুরুত্ব সংক্ষেপে আলোচনা করো।

b) Write Short notes on :

(i) Gandharveda

or

(ii) Alekhya vidya

সংক্ষিপ্ত টীকা লেখো :

(i) গান্ধর্ববেদ

অথবা

(ii) আলেখ্য বিদ্যা

c) Write a very short essay on ancient Indian mathematics.

প্রাচীন ভারতীয় গণিত বিষয়ে একটি অতি সংক্ষিপ্ত প্রবন্ধ লেখো।

d) Briefly evaluate the significance of Chandas as a Vedanga.

বেদাঙ্গরূপে ছন্দের গুরুত্ব সংক্ষেপে বিচার করো।

e) What is the name of the principal text of Yoga philosophy? Who authored the text? Explain what is meant by Aṣṭāṅga-Yoga.

যোগ দর্শনের মুখ্যগ্রন্থের নাম কী ? গ্রন্থটি কে রচনা করেছেন ? অষ্টাঙ্গযোগ বলতে কী বোঝ তা বর্ণনা করো।

f) Briefly discuss the importance of Natya-vidya in Indian Knowledge tradition.

ভারতীয় জ্ঞান পরম্পরায় নাট্যবিদ্যার গুরুত্ব সংক্ষেপে আলোচনা করো।

Group -C

Answer any one questions :

1×10=10

যে কোনো একটি প্রশ্নের উত্তর দাও :

a) With which limb of the vedas is Vyākaraṇa compared? Who was Panini? Briefly evaluate the significance of Vyākaraṇa as a Vedanga.

বেদের কোন অঙ্গের সঙ্গে ব্যাকরণের তুলনা করা হয় ? পাণিনি কে ছিলেন ? বেদাঙ্গরূপে ব্যাকরণের গুরুত্ব সংক্ষেপে বিচার করো।

b) Discuss the general characteristics of Indian philosophy appropriately.

ভারতীয় দর্শনের সাধারণ বৈশিষ্ট্যগুলি যথাযথভাবে আলোচনা করো।

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BCA First Semester Examination(ESE) 2024

(CCFUP : NEP)

(4-Year UG- Programme)

BCA

Paper Code : UG/I/BCA/AEC102/4/IS

Paper Name:

Full Marks - 50

Time - 3 hours

The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.

1. Answer any one question:

- a) বর্তমান সময়ে আয়ুর্বেদের উপযোগিতা
অথবা
- b) অষ্টাঙ্গযোগ।

BCA First Semester Examination(ESE) 2024

(CCFUP : NEP)

(4-Year UG- Programme)

BCA

Paper Code : UG/I/BCA/AEC102/4/IS

Paper Name:

Full Marks - 50

Time - 3 hours

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1. Answer any one question:

- a) বর্তমান সময়ে আয়ুর্বেদের উপযোগিতা
অথবা
- b) অষ্টাঙ্গযোগ।