

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

**B.Sc. Allied Health Sciences
First Year Semester-I (CBCS Scheme)
February 2017 Examination**

Time: 2 Hrs.

[Max. Marks: 50]

**ANATOMY-I
(General Anatomy, Histology & Embryology)
Q.P Code: BAHS-101CC**

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Describe in detail the blood supply of heart under the following headings.
 - a. Arterial supply
 - b. Venous drainage
 - c. Clinical aspects
2. A. Classify bones based on its shape with examples for each.
B. Name the different types of cells present within a bone.
C. Explain the microscopic structure of bone.
3. A. Describe the interior of right atrium with a neat labeled diagram.
B. Name all the venous channels opening into it.
C. Name the valves of the heart and the chambers connected by it.

SHORT ESSAY

3 X 5 = 15 Marks

4. Mitochondria.
5. Transitional epithelium.
6. Spermatogenesis.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Classify the cartilages of human body with an example for each
8. Name the branches of arch of aorta
9. Draw a neat labeled diagram of neuron.
10. Name the bones of forearm.
11. Name any three unpaired dural venous sinus present within the cranial cavity.

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ANATOMY-II

(Systemic Histology & Gross Anatomy)

Q.P Code: BAHS-102CC

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Describe the pharynx under the following:
 - a. Parts with extent and function.
 - b. Muscles present within.
 - c. Waldeyer's ring.
2. A. Enumerate the differences between right and left lung.
B. Define bronchopulmonary segment.
C. Name the bronchopulmonary segments of right and left lungs.
3. A. Name the different parts of urinary system.
B. Name the parts of ureter and mention the sites of its constrictions.
C. Name and describe the different parts of male urethra.

SHORT ESSAY

3 X 5 = 15 Marks

4. Cerebrospinal fluid: formation and drainage.
5. Histology of suprarenal gland.
6. Blood supply of stomach.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Enumerate the contents of middle ear.
8. Where is the spleen located and what are its functions?
9. Definition of upper jaw.
10. Name the appendages of skin.
11. Layers of pleura and its nerve supply.

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**PHYSIOLOGY-I
(Physiological Functions of the Body)
Q.P Code: BAHS-103CC**

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Describe the intrinsic mechanism of clotting. Add a note on anticoagulants.
2. Define GFR. Describe the factors affecting GFR.
3. Describe the composition and functions of bile.

SHORT ESSAY

3 X 5 = 15 Marks

4. Define immunity. Classify immunity.
5. Describe the conducting system of the heart.
6. Composition and functions of surfactant.

SHORT ANSWERS

5 X 3 = 15 Marks

7. List the functions of saliva.
8. First heart sound.
9. Define any three.
 - a) Hypoxia
 - b) Cyanosis
 - c) Dyspnoea
 - d) Asphyxia
10. Define vital capacity. What is its normal value.
11. Draw a neat diagram of ECG and label its parts.

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Time: 2 Hrs.

[Max. Marks: 50]

PHYSIOLOGY-II

(Physiology of Hormonal and Regulatory Function)

Q.P Code: BAHS-104CC

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any two)

2 X 10 = 20 Marks

1. Define menstrual cycle. Give its average duration and describe in detail changes that take place in the endometrium during each cycle. Add a note on hormonal regulation of menstrual cycle.
2. Cerebrospinal fluid formation, circulation, composition and functions. Add a note on hydrocephalus.
3. Draw a neat labeled diagram of the visual pathway, name the photoreceptors. Add a note on colour blindness.

SHORT ESSAY

3 X 5 = 15 Marks

4. Contents and functions of middle ear.
5. Cerebrospinal fluid formation, composition and functions.
6. Thyroid function tests.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Three functions of hypothalamus.
8. Rigor mortis and its medicolegal importance.
9. Taste pathway.
10. List three contraceptive methods in males.
11. Mention three signs and symptoms of parkinsonism.

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B.Sc. Allied Health Sciences First Year (Semester-I) (CBCS Scheme)

February - 2017 Examination

Time : 2 Hrs.

[Max. Marks : 50]

BASIC COMPUTER APPLICATIONS

Q.P Code:BAHS-201FC

Your answers should be specific to the questions asked.

Choose and write the correct Answer from the choice

1. Seek time is
 - a) Time to position the head over proper track
 - b) Time to position the head over proper sector
 - c) Time to position the head over proper cylinder
 - d) None of above
2. Which of the following is not computer language?
 - a) High level language
 - b) Medium level language
 - c) Low level language
 - d) All the above
3. CD-ROM is a
 - a) Semiconductor memory
 - b) Memory register
 - c) Magnetic memory
 - d) None of above
4. Which of the following is a secondary memory device?
 - a) Keyboard b) Disk
 - c) ALU d) All of the above
5. Operation of inserting data into program and taking data out of program is called ____
 - a) Input operation b) Output operation
 - c) I/O operation d) None of these
6. LED is an abbreviation of
 - a) Light Emitting Diodes
 - b) Liquid Emitting Displays
 - c) Less Emitting Diodes
 - d) Low Emission Displays
7. A program is a sequence of ____ written in programming language
 - a) Lines b) Functions
 - c) Instructions d) Code-words
8. Central Processing Unit consists of
 - a) Control unit b) ALU
 - c) Main store d) All of the above
9. Programming language FORTRAN stands for
 - a) Formula translator
 - b) Formula translation
 - c) Free translator
 - d) Free translation
10. After copying the content how many times can you paste
 - a) 1 b) 16
 - c) 32 d) Many
11. Which is the first program to run on a computer when the computer boots up
 - a) System software
 - b) Operating system
 - c) System operations
 - d) None of the above

12. Which one of the following is not a multitasking operating system

- a) DOS b) Windows
- c) Unix d) Linux

13. You can add an image in MS-Excel to a template by clicking the insert picture from file button on the ____ toolbar

- a) Standard b) Formatting
- c) Drawing d) Picture

14. Which file starts MS-Word

- a) winword.exe b) word.exe
- c) msword.exe d) word2003.exe

15. Which of the following helps to reduce spelling error in the document

- a) Auto Format b) Auto Correct
- c) Smart Tags d) Auto Text

16. Which of the following is not one of power point views?

- a) Slide show view b) Slide view
- c) Presentation view d) Outline view

17. In which type of streaming multimedia file is delivered to a client but not shared

- a) Real-time streaming
- b) Progressive download
- c) Compression
- d) None of the above

18. AVI stands for

- a) Audio for Voice on the Internet
- b) Audio Voice Interleaved
- c) Audio Video Interleaved
- d) Adapted Video for Internet

19. _____ Viruses

- a) Another form of computer attack
- b) Designed to spread into other programs
- c) Cause system crash and program malfunction
- d) All the above

20. HTML is used to create

- a) Machine Language Program
- b) High Level Program
- c) Web Page
- d) Web Server

21. In computer network nodes are

- a) The computer that originates data
- b) The computer that routes the data
- c) The computer that terminates data
- d) All of the above

22. Computer Network is

- a) Collection of hardware components and computers
- b) Interconnected by computer channels
- c) Sharing of resources and information
- d) All of the above

23. In mesh topology, every device has a dedicated topology of

- a) Multipoint linking
- b) Point to point linking
- c) Both a and b
- d) None

24. A _____ is a device that forwards packets between networks by processing the routing information included in the packet

- a) Bridge b) Firewall
- c) Router d) All the above

25. Which of the following is not a type of computer network

- a) Local area network
- b) Personal area network
- c) Remote area network
- d) Metropolitan area network

26. Repeaters only regenerate strength of signals, it doesn't

- a) Amplify signals
- b) Extend Time
- c) Regenerate Data
- d) Connect segments

27. A Repeater is a device that operates only in the
- Physical layer
 - Data link layer
 - Application layer
 - Presentation layer
28. What is the name of the device that converts computer output into a form that can be transmitted over a telephone line
- Bridge
 - Repeater
 - Amplifier
 - Modem
29. A Wi-Fi enabled device can be
- PC
 - Game console
 - Mobile Phone
 - All the above
30. Bluetooth transceiver devices operate in ____ band
- 2.4GHz ISM
 - 2.5GHz ISM
 - 2.6GHz ISM
 - 2.7GHz ISM
31. Various operations that are carried on data while processing data includes
- Calculation
 - Analysis
 - Manipulation
 - All of the above
32. A device used to print graphical output such as graphs and designs by computer on a paper is called
- Printer
 - Plotter
 - Output Processing unit
 - Input Processing unit
33. A program written in machine language is called ____ program
- Object
 - Computer
 - Assembler
 - High level
34. What is the commonly used unit for measuring the speed of data transmission
- Bytes per second
 - Bits per second
 - Baud
 - Either a or b
35. Simultaneous transmission of data to a number of stations is known as
- Broadcast
 - Bandwidth
 - ALOHA
 - Analog transmission
36. Arrange in ascending order the units of memory TB,KB,GB,MB
- TB>MB>GB>KB
 - MB>GB>TB>KB
 - TB>GB>MB>KB
 - GB>MB>KB>TB
37. EMG stands for
- Electromyography
 - Electromythology
 - Electromyopathy
 - None of the above
38. Computers are applicable in the field of
- Defense
 - Library
 - Museum
 - All of the above
39. MICR is an abbreviation for
- Magnetic information character reader
 - Magnetic ink character reader
 - Multiple information character reader
 - None of the above
40. Cache memory is a type of
- RAM memory
 - ROM memory
 - Neither a nor b
 - None of the above

41. A block stored on a flash memory chip must be
- Erased before data can be read
 - Erased before data can be deleted
 - Erased before data can be written
 - None of the above
42. The maximum resolution for a video in Blu-ray disc
- 720 pixels
 - 1080 pixels
 - 320 pixels
 - None of the above
43. In dynamic memory allocation, memory is allocated at
- Execution
 - Compilation
 - Declaration
 - None of the above
44. A hard disk is a set of stacked
- Sectors
 - Tracks
 - Disks
 - Drives
45. ISP stands for
- Internet source provider
 - Internet service provider
 - Intranet service provider
 - Intranet source provider
46. First generation computers used ____ for memory
- Magnetic tapes
 - Drums
 - Magnetic disks
 - Optical disks
47. Which of the following is not a type of operating system
- Real time
 - Embedded
 - Batch
 - None of the above
48. USB stands for
- Unified serial bus
 - Universal serial bus
 - United serial bus
 - Unusual serial bus
49. Light pen is used to
- Read from the screen
 - Both a and c
 - Draw on the screen
 - None of the above
50. Touch screen is
- Input device
 - Output devices
 - Both a and b
 - None of the above

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