

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

Time : 2 Hrs.

[Max. Marks : 50]

ANATOMY -I

(General Anatomy, Histology & Embryology)

Q.P Code : BAHS101CC

*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. Classify epithelium with examples and explain any one of them in detail.
2. Name the chambers of heart and explain the right atrium in detail.
3. Describe cell and its organelles with functions of each.

SHORT ESSAY

3 X 5 = 15 Marks

4. Thoracic duct.
5. Spermatogenesis.
6. Structure of skeletal muscle.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Name the bones of upper limb.
8. Types of cartilages with one example of each.
9. Draw and label multipolar neuron.
10. Name the hormones secreted by placenta.
11. Name the branches of arch of aorta.

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ANATOMY -II

(Systemic Histology & Gross Anatomy)

Q.P Code : BAHS102CC

*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. a) Define Peritoneum.
b) Name the layers of peritoneum.
c) Name any three retroperitoneal organs.
d) Define mesentery and enumerate its contents. (2+2+3+3)
2. Describe the male reproductive organs under the following.
a) Gross anatomy of Testis
b) Parts and functions of epididymis
c) Names of accessory sex glands
d) Microscopic structure of prostate (4+2+2+2)
3. a) Draw a neat labelled diagram of the human eye.
b) Name the extraocular muscles and give their nerve supply.
c) Name the parts of the lacrimal apparatus. (4+4+2)

SHORT ESSAY

3 X 5 = 15 Marks

4. Bronchopulmonary segments of left lung.
5. Describe the structure of mammary gland.
6. Describe the histology of tongue.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Name the salivary glands.
8. Name the components of basal nuclei.
9. Name the fissures and lobes of right lung.
10. Name the parts of small intestine and what are its functions?
11. Name the sinuses opening into the nasal cavity.

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PHYSIOLOGY - I

(Physiological functions of the body)

Q.P Code : BAHS103CC

*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 hemostasis. Give the normal platelet count. Describe in detail the role of platelets in hemostasis.
2. Define Blood pressure. Give the normal values. Describe the role of kidneys in maintenance of blood pressure.
3. List the muscles of respiration. Describe the mechanism of respiration.

SHORT ESSAY

3 X 5 = 15 Marks

4. Draw a neat labeled diagram of spirogram depicting various lung volumes and capacities.
5. Micturition reflex.
6. Effect of exercise on heart.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Three indications for blood transfusion.
8. Lead II ECG.
9. List the composition and function of gastric juice.
10. List the functions of surfactant.
11. Define GFR. Give its normal value.

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PHYSIOLOGY - II

(Physiology of hormonal and Regulatory function)

Q.P Code : BAHS104CC

*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 a hormone. Classify hormone. Add a note on hyper and hypo secretion of growth hormone.
2. Explain the structure and transmission across the neuro-muscular junction.
3. Define menstrual cycle. Give the average duration of a menstrual cycle. List the hormones regulating menstrual cycle. Add a note on corpus luteum.

SHORT ESSAY

3 X 5 = 15 Marks

4. Composition and functions of CSF.
5. Structure and function of neuron.
6. Draw a neat labeled diagram of the visual pathway.

SHORT ANSWERS

5 X 3 = 15 Marks

7. Tests for ovulation.
8. Rigor mortis.
9. List the contents of middle ear.
10. List the steps of Spermatogenesis.
11. Draw labeled diagram of Reflex arc.

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**B.Sc. Allied Health Sciences
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July 2017 Examination

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[Max. Marks: 50]

BASIC COMPUTER APPLICATIONS

Q.P Code: BAHS101FC

Your answers should be specific to the questions asked.

Choose and write the correct answer from the choice

1. In latest generation computers, the instructions are executed
 - a) Parallel only
 - b) Sequentially only
 - c) Both a and b
 - d) All of above
2. Who invented the high level language C?
 - a) Dennis M. Ritchie
 - b) Niklaus Writh
 - c) Seymour Papert
 - d) Donald Kunth
3. A computer program that converts an entire program into machine language is called a/an
 - a) Interpreter
 - b) Simulator
 - c) Compiler
 - d) Commander
4. UNIVAC is
 - a) Universal Automatic Computer
 - b) Universal Array Computer
 - c) Unique Automatic Computer
 - d) Unvalued Automatic Computer
5. A byte is equivalent to...?
 - a) 8 bits
 - b) 10 bits
 - c) 16 bits
 - d) None of the above
6. Which of the following retains the information it's storing when the power to the system is turned off?
 - a) CPU
 - b) ROM
 - c) DRAM
 - d) DIMM
7. What is BIOS an acronym for?
 - a) Bootstrap initial operating system
 - b) Basic input output startup
 - c) Boot initial operating startup
 - d) Basic input output system
8. Reading data is performed in magnetic disk by
 - a) Read/write leads
 - b) Sectors
 - c) Track
 - d) Lower surface
9. Access time is
 - a) Seek time + latency time
 - b) Seek time
 - c) Seek time – latency time
 - d) Latency time
10. Which statement is valid?
 - a) 1KB = 1024 bytes
 - b) 1MB = 2048 bytes
 - c) 1MB = 1000 kilobytes
 - d) 1KB = 1000 bytes

P.T.O

11. The translator program used in assembly language is called

- a) Compiler
- b) Interpreter
- c) Assembler
- d) Translator

12. Which of the following is called low level languages?

- a) Machine language
- b) Assembly language
- c) Both of the above
- d) None of above

13. A Microsoft Windows is a(n) _____

- a) Operating System
- b) Graphic program
- c) Word processing
- d) Database program

14. In a worksheet you can select

- a) The entire worksheet
- b) Rows
- c) Columns
- d) All the above

15. Home key

- a) Moves the cursor beginning of the document
- b) Moves the cursor beginning of the paragraph
- c) Moves the cursor beginning of the screen
- d) Moves the cursor beginning of the line

16. To select one hyperlink after another during a slide presentation what do you press?

- a) Tab
- b) Ctrl+K
- c) Ctrl+h
- d) All the above

17. A multimedia file

- a) Is same as any other regular file
- b) Must be accessed at specific rate
- c) Stored on remote server cannot be delivered to its client
- d) None of the above

18. What does MPEG stand for

- a) Movie Protocol Experts Group
- b) Movie Protocol Experimentation Group
- c) Motion Picture Experts Group
- d) Movie and Protocols Expert Group

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. Which of the following is the correct form of Email address

- a) name@website@info
- b) name@website.info
- c) www.nameofwebsite.com
- d) name.website.com

21. Two devices are in network if

- a) A process in one device is able to exchange information with a process in another device
- b) A process is running on both devices
- c) PIDs of processes running on different devices are same
- d) None of the above

22. Which of these is not a network edge device?

- a) PC
- b) Smart Phones
- c) Servers
- d) Switch

23. Multipoint topology is

- a) Bus
- b) Star
- c) Mesh
- d) Ring

24. Combination of two or more topologies is called

- a) Star
- b) Bus
- c) Ring
- d) Hybrid

25. What is the use of Bridge in network

- a) To connect LANs
- b) To separate LANs
- c) To control Network Speed
- d) All of the above

26. What is the benefit of networking?

- a) File sharing
- b) Easier access to resources
- c) Easier backups
- d) All the above

P.T.O

- 27. Repeater is a**
- Amplifier
 - Generator
 - Modifier
 - Regenerator
- 28. Which of the following performs modulation and demodulation?**
- Bridge
 - Modem
 - Firewall
 - Amplifier
- 29. Wi-Fi stands for**
- Wireless fidelity
 - Wireless field
 - Wired fidelity
 - Wired field
- 30. Bluetooth is the wireless technology for**
- LAN
 - PAN
 - Both a and b
 - None of the above
- 31. Process of arranging data into a new order is called**
- Manipulation of data
 - Standardization of information
 - Standardization of input
 - Standardization of documents
- 32. Any fact and knowledge item that can be expressed in numbers and words is called**
- Processing
 - Information
 - Fact
 - Organization
- 33. Which of the following is the product of data processing**
- Information
 - Data
 - Software Program
 - System
- 34. A characteristic of multiprogramming system is**
- Simultaneous execution of program instructions from two applications
 - Concurrent processing of two or more programs
 - Multiple CPU's
 - All the above
- 35. Simultaneous transmission of data to a number of stations is known as**
- Broadcast
 - Bandwidth
 - ALOHA
 - Analog transmission
- 36. The output quality of a printer is measured by**
- Dots per inch
 - Dots per square inch
 - Dots printed per unit time
 - Either a or b
- 37. Printed output from a computer is called**
- Copy
 - Soft Copy
 - Hard copy
 - Paper
- 38. EMG stands for**
- Electromyography
 - Electromythology
 - Electromyopathy
 - None of the above
- 39. OMR is an abbreviation for**
- Optical mark reader
 - Objective mark reader
 - Optimal mark reader
 - None of the above
- 40. Cache memory is also called**
- CPU memory
 - Register memory
 - Flash memory
 - None of the above

P.T.O

- 41. Flash memory is a type of**
a) Volatile memory
b) Non-volatile memory
c) Cache memory
d) None of the above
- 42. Blu-ray technology utilizes ___ to read and write data**
a) Blue-velocity laser
b) Blue laser
c) Blue-violet laser
d) None of the above
- 43. In static memory allocation, memory is allocated at**
a) Execution
b) Compilation
c) Declaration
d) None of the above
- 44. A Hard disk is a part of the unit called**
a) Disk drive
b) Hard drive
c) Hard disk drive
d) All of the above
- 45. Internet was developed by US Department of ___**
a) Defense
b) Education
c) Scientific Research
d) Robotics
- 46. First Personal Computer was introduced by**
a) Apple
b) Wipro
c) IBM
d) Macintosh
- 47. Which of the following is not a type of operating system**
a) Real time
b) Embedded
c) Batch
d) None of the above
- 48. VDU stands for**
a) Video display unit
b) Video data unit
c) Visual display Unit
d) Visual data unit
- 49. Light pen is**
a) Input Device
b) Output Device
c) Storage Device
d) Processing Device
- 50. Touch screen is**
a) Input device
b) Output devices
c) Both a and b
d) None of the above

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