



BIOLOGY NMDCAT

PMC UNIT WISE TEST Unit-7

TOPIC:

- ✓ **Reproduction, Support & Movement**

- Q.1 It is not true about asexual reproduction:**
A. Identical off springs
B. Common in plants
C. No gamete formation
D. Less rapid increase in number
- Q.2 Urinogenital duct in males is:**
A. Ureter
B. Urethra
C. Epididymis
D. Ejaculatory duct
- Q.3 Spermatogonia are produced in:**
A. Seminiferous tubules
B. Interstitial cells
C. Ejaculatory duct
D. Seminal vesicles
- Q.4 This hormone is necessary for the successful production of sperms:**
A. Adrenaline
B. Testosterone
C. Inhibin
D. Progesterone
- Q.5 Sertoli cells are under the influence of:**
A. FSH
B. ICSH
C. LH
D. Testosterone
- Q.6 Which of the following is the main nutritive substance for sperms present in semen?**
A. Galactose
B. Lipids
C. Glucose
D. Fructose
- Q.7 Numbers of sperms produced by a secondary spermatocyte:**
A. 1
B. 3
C. 2
D. 4
- Q.8 Ovaries are located in _____ cavity of human females.**
A. Cervical
B. Abdominal
C. Thoracic
D. Scrotal
- Q.9 Second meiotic division in oocytes proceeds till _____ before fertilization.**
A. Prophase
B. Anaphase
C. Metaphase
D. Telophase
- Q.10 Uterus opens into _____ through _____.**
A. Cervix, Vagina
B. Vagina, Cervix
C. Oviduct, Vagina
D. Fallopian tube, Cervix
- Q.11 Ovulation in females starts:**
A. Before birth
B. Before puberty
C. After birth
D. After puberty
- Q.12 Ovulation is triggered by _____.**
A. FSH
B. Estrogen
C. LH
D. Progesterone
- Q.13 In females, the beginning of menstrual cycle is called:**
A. Menarche
B. Menses
C. Menopause
D. Andropause
- Q.14 Sertoli cells have receptors for which of the following hormone?**
A. FSH
B. ICSH
C. LH
D. Testosterone
- Q.15 When secondary oocyte is released, it is surrounded by all except:**
A. Cell membrane
B. Corona radiata
C. Zona pellucida
D. Corpus luteum
- Q.16 Pick the correct option among the following:**

	Fertilization	Implantation
A.	Oviduct	Cervix
B.	Uterine tube	Endometrium
C.	Fallopian tube	Vagina
D.	Uterus	Endometrium

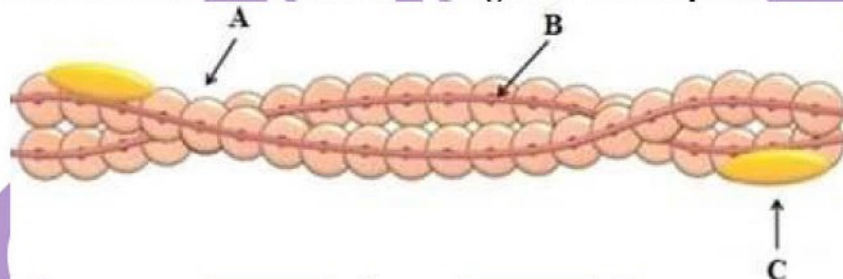


- Q.17** Which of the following phenomenon continues for 3-7 days on average?
 A. Thickening of endometrium
 B. Formation of ovum
 C. Ovulation period
 D. Release of menstrual discharge
- Q.18** Placenta develops between mother uterus and _____
 A. Zygote
 B. Fetus
 C. Embryo
 D. Egg
- Q.19** Endometrium reaches at its maximum thickness during:
 A. Menstrual phase
 B. Luteal phase
 C. Proliferative phase
 D. Secretory phase
- Q.20** In a menstrual cycle of 30 days, the day of ovulation will be:
 A. 14th day
 B. 18th day
 C. 16th day
 D. 20th day
- Q.21** All of the following structures are endocrine in nature except:
 A. Placenta
 B. Adrenal cortex
 C. Zygote
 D. Corpus luteum
- Q.22** Endometrium suffers a breakdown due to decrease in secretion of:
 A. FSH
 B. Estrogen
 C. LH
 D. Progesterone
- Q.23** In _____, mucous membrane of urinogenital tract is mainly affected:
 A. Gonorrhea
 B. Genital herpes
 C. Herpes simplex
 D. AIDS
- Q.24** Bones can release and take up minerals by:
 A. Homeostasis
 B. Positive feedback mechanism
 C. Feedback mechanism
 D. Negative feedback mechanism
- Q.25** All of the following are the similarities between bones and cartilage except:
 A. Both are types of connective tissues
 B. Both contains collagen
 C. Both contains living cells
 D. Both have rich blood supply
- Q.26** Select the false pair:
 A. Compact bone – Site of blood production
 B. Spongy bone – Light and porous
 C. Compact bone – Dense and strong
 D. Spongy bone – Bone marrow in cavities
- Q.27** Which of the following is analogous to phagocytic cells?
 A. Stem cells
 B. Osteocytes
 C. Osteoblasts
 D. Osteoclasts
- Q.28** Pinna of ear has _____ cartilage.
 A. Hyaline
 B. Fibro
 C. Elastic
 D. Bony
- Q.29** The only movement possible on pivot joint is:
 A. Forward and backward
 B. Upward and downward
 C. Rotation
 D. Extension
- Q.30** Pick the correct pair from the following:
 A. Ligament – Bone to muscle attachment
 B. Tendon – Bone to bone attachment
 C. Ligament – Collagen proteins
 D. Tendon – Elastic in nature
- Q.31** Cerebellum of hindbrain control and coordinates movement of:
 A. Cardiac muscles
 B. Skeletal muscles
 C. Smooth muscles
 D. Papillary muscles
- Q.32** Identify the correct option from the following:

	Features	Smooth muscles	Cardiac muscles	Skeletal muscles
A.	Appearance	Unstriated	Regular stripes	Irregular stripes
B.	Cell shape	Conical	Cylindrical	Spindle
C.	Control	Voluntary	Involuntary	Voluntary
D.	Speed of contraction	Slow	Intermediate	Slow to rapid



- Q.33** Earliest form of muscles to be evolved is:
A. Smooth muscles B. Cardiac muscles
C. Skeletal muscles D. Striped muscles
- Q.34** Skeletal muscles have striped appearance due to:
A. Myofilaments B. Sarcolemma
C. Sarcomere D. A & I band
- Q.35** Cross bridges are:
A. Globular heads of actin B. Globular tails of actin
C. Globular heads of myosin D. Globular tails of tropomyosin
- Q.36** Binding sites for the attachment of cross bridges are present on:
A. Actin B. Troponin
C. Myosin D. Tropomyosin
- Q.37** The displacement of tropomyosin for the exposure of binding site is due to:
A. Shortening of I-band B. Neuromuscular junction
C. Attachment of Ca^{+2} with troponin D. Activation of T-system
- Q.38** The degree of contraction of muscles depends upon _____ that participate in contraction:
A. Numbers of myofibrils B. Numbers of myofilaments
C. Numbers of fibers D. Numbers of sarcomeres
- Q.39** Levered movement of bones is possible only because of:
A. Extension movement of muscles B. Antagonistic movement of muscles
C. Flexion movement of muscles D. Synergistic movement of muscles
- Q.40** It is not the effect of exercise on muscles:
A. Hypertrophy B. Increase strength
C. Increased mitochondria D. Hyperplasia
- Q.41** Proteins of muscles are shown in diagram. Which protein is shown by Alphabet C?



- A. Actin B. Myosin
C. Tropomyosin D. Troponin
- Q.42** Layer of connective tissue around a muscle fiber is:
A. Epimysium B. Endomysium
C. Perimysium D. Sarcolemma
- Q.43** An energy providing molecule present in sarcoplasm of muscle cell is:
A. Myoglobin B. Hemoglobin
C. Creatine phosphate D. Albumin
- Q.44** Which of the following/s is/are the features of skeletal muscle cell?
A. Multiple oval shaped nuclei B. Abundant sarcoplasmic reticulum
C. Contains muscle fibrils D. All A, B, C
- Q.45** Area between two thick filaments is:
A. A band B. H zone
C. I band D. M line
- Q.46** Sarcoplasmic reticulum is different from smooth endoplasmic reticulum of other cells in:
A. Having no ribosomes B. Having specialized repeating pattern
C. Having stored calcium D. Having cisternae
- Q.47** Majority of muscles in human body are
A. Skeletal B. Cardiac
C. Smooth D. Sphincters



- Q.48** What is fate of corpus luteum after fertilization?
 A. Degenerates
 B. Remains functional
 C. Stops secretions
 D. Releases egg
- Q.49** More than one fertilization at a time in humans result in:
 A. Identical twins
 B. Fraternal twins
 C. Clones
 D. Drones
- Q.50** Which is possible function of smooth muscles?
 A. Pumping blood
 B. Expanding lungs
 C. Propelling food
 D. Controlling defecation

Q	A	Q	A	Q	A	Q	A	Q	A
1	D	11	D	21	C	31	B	41	D
2	B	12	B	22	D	32	D	42	B
3	A	13	A	23	A	33	A	43	C
4	B	14	A	24	D	34	D	44	D
5	A	15	D	25	D	35	C	45	C
6	D	16	B	26	A	36	A	46	B
7	C	17	D	27	D	37	C	47	A
8	B	18	C	28	C	38	C	48	B
9	C	19	D	29	C	39	B	49	B
10	B	20	C	30	C	40	D	50	C