

Roll No. _____ (To be filled in by candidate)

(For all sessions)

Paper Code	8	4	6	7
------------	---	---	---	---

Biology (Objective Type)**Time: 20 Minutes****Marks: 17**

NOTE: Write answers to the questions on the objective answer sheet provided. Four possible answers A,B,C and D to circle A,B,C or D given in front of each each question are given. Which answer you consider correct, fill the corresponding question with Marker or pen ink on the answer sheet provided.

1.1. The vernolic acid and ricinolic acid can be used as hardness in:

- | | | | |
|------------|--------------|-------------------------|------------|
| (A) paints | (B) plastics | (C) Paints and plastics | (D) Rubber |
|------------|--------------|-------------------------|------------|
2. Darwin's "Origin of species" was published in:
- | | | | |
|----------|----------|----------|----------|
| (A) 1840 | (B) 1859 | (C) 1865 | (D) 1890 |
|----------|----------|----------|----------|
3. Study of relationship of different communities to environment is called:
- | | | | |
|----------------|----------------|----------------|-------------|
| (A) Synecology | (B) Autecology | (C) Embryology | (D) Zoology |
|----------------|----------------|----------------|-------------|
4. Which one is not a desert?
- | | | | |
|----------|----------|------------|-----------|
| (A) Thal | (B) Thar | (C) Sahara | (D) Taiga |
|----------|----------|------------|-----------|
5. The steady internal state of homeostasis is known as:
- | | | | |
|--------------|-------------|-------------------|---------------------|
| (A) Disorder | (B) Disease | (C) Normal health | (D) Abnormal health |
|--------------|-------------|-------------------|---------------------|
6. Pressure filtration is associated with the:
- | | |
|------------------------------|-----------------------|
| (A) Glomerular Part | (B) Collecting tubule |
| (C) Distal convoluted tubule | (D) Collecting duct |
7. The diameter of thick filament in muscle is:
- | | | | |
|------------|----------|-----------|-----------|
| (A) 7-8 nm | (B) 4 nm | (C) 16 nm | (D) 10 nm |
|------------|----------|-----------|-----------|
8. At the place of attachment of leaf with the shoot a swollen part is called:
- | | | | |
|-----------|---------|------------|--------------|
| (A) Pitch | (B) Pit | (C) Cortex | (D) Pulvinus |
|-----------|---------|------------|--------------|
9. Intelligence is under the control of:
- | | | | |
|--------------|----------------|--------------|------------------|
| (A) Cerebrum | (B) Cerebellum | (C) Thalamus | (D) Hypothalamus |
|--------------|----------------|--------------|------------------|
10. Diploid parthenogenesis may occur in:
- | | | | |
|----------|-----------|----------|---------------|
| (A) Bees | (B) Aphid | (C) Wasp | (D) Honey Bee |
|----------|-----------|----------|---------------|
11. The hypoblast is mainly presumptive:
- | | | | |
|--------------|-------------|-------------|----------------|
| (A) Endoderm | (B) Epiderm | (C) Mesoder | (D) Blastoderm |
|--------------|-------------|-------------|----------------|
12. It is one of the prominent structure in the chick embryo of 18 hours:
- | | |
|----------------------|---------------|
| (A) Primitive streak | (B) Neurocoel |
| (C) Notochord | (D) Coelom |
13. Initiation codes for every protein coding gene is AUG which encodes for:
- | | | | |
|-------------|------------|-------------|----------------|
| (A) Leucine | (B) Serine | (C) Alanine | (D) Methionine |
|-------------|------------|-------------|----------------|
14. The term Bivalent means:
- | | | | |
|--------------------|---------------------|--------------------|----------------------|
| (A) One chromosome | (B) Two chromosomes | (C) Two chromatids | (D) Four Chromosomes |
|--------------------|---------------------|--------------------|----------------------|
15. Mongolism is phenotypically:
- | | | | |
|----------|------------|--------------------|----------|
| (A) Male | (B) Female | (C) Male or Female | (D) None |
|----------|------------|--------------------|----------|
16. How many possible alleles of ABO blood group are present in an individual?
- | | | | |
|-------|-------|-------|---------|
| (A) 1 | (B) 2 | (C) 3 | (D) 300 |
|-------|-------|-------|---------|
17. Dopamine producing cells can be grafted in the brain in order to cure:
- | | | | |
|-----------------|--------------|-------------------------|-----------------|
| (A) Haemophilia | (B) Epilepsy | (C) Parkinson's disease | (D) Alzheimer's |
|-----------------|--------------|-------------------------|-----------------|