# MIZORAM PUBLIC SERVICE COMMISSION

## LIMITED DEPARTMENTAL EXAMINATION FOR PROMOTION TO SERICULTURE EXTENSION OFFICER UNDER SERICULTURE DEPARTMENT, GOVERNMENT OF MIZORAM. SEPTEMBER-2024

### PAPER - I

Time Allowed : 3 hours

Full Marks : 100
Pass Marks : 40

### SECTION - A *(Conventional type question) (70 Marks)*

*Marks for each question is indicated against it. Attempt all questions.*
*This Section should be answered only on the __Answer Sheet__ provided.*

*Directions (Question Nos. 1 - 10) : Read the following passage carefully and answer the Question that follows.* (10×1=10)

If we are to believe the latest reports from medical laboratories, immortality is within human reach. By the next century, the prospect of living up to 5000 years might well become reality. Does this mean that it's time to bring out the bubbly and celebrate the conquest of the final frontier of science? Certainly not. There can be nothing more dismal than the possibility of living indefinitely. What makes life so fascinating is its transient nature. It is the knowledge that death can come calling anytime and anywhere which gives such poignancy to our lives. This finds expression in Wallace Steven's wonderful lines: "Death is the mother of beauty; hence from her. Alone, shall come fulfillment to our dreams and our desires". The idea that death is the key to life is also the foundation of Martin Heidegger's philosophy of being.

Leaving aside these philosophical considerations, the predictions of immortality are at best based on dubious science. The scientific fraternity rarely takes seriously the prophets of immortality, who say that one can turn back the biological clock or at least keep it constant. But even if we were to assume for a moment that the majority of humans will live beyond 5000 years, that would spell disaster for mankind. At a time when the earth's resources are stretched to the limit, one shudders at the thought of an ever burgeoning human population. If human longevity is artificially enhanced, all governments would eventually go bankrupt trying to provide even the most basic amenities to their citizens. Those who harbor ambitions of emulating Methuselah are best advised not to tinker with the natural cycle of birth and death. Instead, they should savour every moment of life as death might be waiting in the wings.

1. Which philosopher's ideas are mentioned in the passage in relation to the concept of death?

   (a) Wallace Steven
   (b) Karl Marx
   (c) Martin Heidegger
   (d) Methuselah

2. What is the general attitude of the scientific community towards the concept of immortality, according to the passage?

   (a) Enthusiastic
   (b) Skeptical
   (c) Supportive
   (d) Indifferent

3. What potential consequence of achieving human immortality is mentioned in the passage?

   (a) Increased happiness and fulfilment

   (b) Endless scientific discoveries

   (c) Government bankruptcy due to providing basic amenities

   (d) Unlimited natural resources

4. Choose the word that is closest in meaning to "transient" as used in the passage:

   "What makes life so fascinating is its transient nature."

   (a) Permanent                          (b) Temporary

   (c) Eternal                            (d) Consistent

5. Based on the passage, why might the prospect of living up to 5000 years not be cause for celebration?

   (a) It would be financially beneficial for governments.

   (b) It would lead to boredom and a lack of excitement.

   (c) It could result in overpopulation and resource depletion.

   (d) It would make life more predictable and stable.

6. What can be inferred about the author's view on the natural cycle of birth and death?

   (a) The author believes it should be altered to improve human life.

   (b) The author thinks it is essential for giving life meaning.

   (c) The author feels it is outdated and needs scientific advancement.

   (d) The author is indifferent to the natural cycle.

7. Why does the author reference Wallace Steven's lines, "Death is the mother of beauty; hence from her. Alone, shall come fulfilment to our dreams and our desires"?

   (a) To illustrate the beauty and importance of immortality.

   (b) To support the idea that death adds value to life.

   (c) To argue that beauty is irrelevant to human existence.

   (d) To show that death prevents the fulfilment of dreams.

8. Based on the passage, what is the author's likely stance on scientific efforts to achieve immortality?

   (a) Supportive, as it will lead to human progress.

   (b) Neutral, seeing both potential benefits and drawbacks.

   (c) Opposed, viewing it as dangerous and impractical.

   (d) Enthusiastic, believing it will solve many problems.

9. Choose the best antonym for the word "resilience" as used in the passage:

   (a) Flexibility                        (b) Fragility

   (c) Strength                           (d) Endurance

10. According to the passage, what is one reason that life is considered fascinating?

    (a) The possibility of living up to 5000 years     (b) The transient nature of life

    (c) The ability to achieve immortality     (d) The advancements in medical science

11. Write a precis of the following passage in about 150 words, capturing its main ideas and tone. Give a suitable title. **(10)**

    Nestled in the foothills of the Himalayas, the quaint village of Pahadi Gram epitomizes the timeless charm of rural India. Surrounded by terraced fields that cascade down the slopes like verdant staircases, the village is a patchwork of vibrant greens and earthy browns. Traditional mud-brick houses with thatched roofs dot the landscape, their walls adorned with intricate tribal motifs that tell stories of generations past.

    Life in Pahadi Gram unfolds at a leisurely pace dictated by the rhythm of agricultural seasons. Villagers tend to their crops with meticulous care, planting rice and wheat in the fertile soil nurtured by monsoon rains. Women in brightly colored sarees gather at the communal well, exchanging gossip and laughter as they draw water in brass pots adorned with floral designs.

    At the heart of the village, a centuries-old banyan tree spreads its colossal branches, providing shade for the village elders who gather daily to share tales of folklore and wisdom. Nearby, children play cricket in dusty lanes, their laughter echoing through the village square where a modest temple stands as a testament to the spiritual fabric woven into everyday life.

    Pahadi Gram embodies a harmonious blend of tradition and simplicity, where the rhythms of nature and community intertwine to create a tapestry of rural life untouched by the frenetic pace of modernity.

12. As a Sericulture Extension Officer, draft a proposal for a new project aimed at improving productivity and income for local silk farmers through better mulberry cultivation and advanced silkworm rearing practices. Your proposal should include: Introduction, Objectives of the project, Methodology (Proposed activities/interventions, Implementation and monitoring plan), Expected Outcomes, Tentative Budget and Resources (financial, human, technical) and Conclusion.

    Ensure your draft is clear, concise, and well-organized. **(20)**

*Direction (Question No. 13 - 17) : Answer the following questions as directed.*     **(5×1=5)**

13. In which sentence is a modal verb used to express obligation?

    (a) They might visit us next week.     (b) You should eat your vegetables.

    (c) We can go swimming in the lake.     (d) She would like to join the dance class.

14. Which modal verb is used to indicate advice or suggestion?

    (a) Can     (b) Must

    (c) Should     (c) Will

15. Select the correct modal verb to complete the sentence: "You _____ come to the party if you want to."

    (a) could     (b) might

    (c) must     (d) shall

**16.** Choose the sentence that uses a modal verb to express possibility:

    (a) She dances beautifully.        (b) They are eating lunch.

    (c) He might arrive late.         (d) We have finished our homework.

**17.** Choose the correct modal verb to indicate ability in the sentence: "Despite his injury, he _____ still play the piano beautifully."

    (a) may        (b) could

    (c) will        (d) should

*Directions (Question Nos. 18 - 22) : Insert the correct articles where required.*    **(5×1=5)**

**18.** His aim in life is to be doctor.

**19.** Mahabharata has been described as "the longest poem ever written".

**20.** A book is like mirror.

**21.** First World War lasted from 1914 till 1918.

**22.** Kima has fever because he has the measles.

*Directions (Question Nos. 23 - 27) : Answer the following questions as directed.*    **(5×1=5)**

**23.** Choose the sentence in the active voice:

    (a) The cake was baked by Mary.        (b) John wrote a letter to his friend.

    (c) The book was read by her in one day.        (d) A song is being sung by the choir.

**24.** Choose the sentence in the passive voice:

    (a) She made a beautiful painting.

    (b) The computer was fixed by the technician.

    (c) They are building a new bridge across the river.

    (d) The teacher teaches grammar rules every Monday.

**25.** Choose the sentence in the active voice:

    (a) The new stadium is being constructed near the city center.

    (b) The prize was awarded to her by the committee.

    (c) The students were asked to complete the assignment by Friday.

    (d) Sarah will be given the scholarship.

**26.** Choose the sentence in the passive voice:

    (a) They completed the project on time.

    (b) The report has been submitted to the supervisor.

    (c) She cooks dinner every evening.

    (d) The team won the championship.

**27.** Choose the sentence in the passive voice:

(a) She painted a beautiful landscape.

(b) The car was driven by him to the party.

(c) They will clean the house tomorrow.

(d) He sings a song every morning.

**28.** Rewrite the following sentences as indicated in the brackets.          (5×1=5)

(a) She says "I am a bit busy today." (Indirect speech)

(b) They said that they took the bus every day. (Direct speech)

(c) He said, "She is taking medication weekly." (Indirect speech)

(d) He said to me "I will not give you any money without signing a contract." (Indirect speech)

(e) He will say that his brother will take care of her. (Direct speech)

**29.** State the correct tense in the following sentences.          (5×1=5)

(a) When I went back to my home four years ago, a lot of changes had taken place.

(b) Sawma, I haven't seen you in a long time, how have you been?

(c) Did you play football today?

(d) I shall visit the book fair tomorrow.

(e) By the time I finish my course, I will have been studying English for 6 months.

**30.** Make sentences using *any five (5)* of the following homophones to highlight their differences.
          (5×1=5)

(a) Complement – Compliment

(b) Principle – Principal

(c) Peace – Piece

(d) Roll – Role

(e) Affect – Effect

(f) Than – Then

(g) Wait – Weight

(h) Their - There

## SECTION -B *(Multiple Choice questions) (30 Marks)*

*All questions carry equal mark of 1 each. Attempt all questions.*

*This Section should be answered only on the **OMR Response Sheet** provided.*

**1.** The binary number system has a base

(a) 10

(b) 16

(c) 8

(d) 2

**2.** Which of the following is false?

(a) Without operating system, one cannot work with computer

(b) Linux is open source operating system

(c) Several Windows can be opened at one time

(d) Without mouse, one cannot work with Windows

**3.** After cutting and pasting something, it is temporarily transferred to-

    (a) Virtual memory            (b) Hard disk

    (c) Clipboard               (d) Swap file

**4.** The intersection of a row and a column is called-

    (a) Absolute reference        (b) Cross

    (c) Cell                   (d) Data

**5.** The short cut key to insert a new slide in current presentation is-

    (a) Ctrl+M               (b) Ctrl+N

    (c) Ctrl+S               (d) Ctrl+I

**6.** Each computer connected to the internet must have-

    (a) IBM PC               (b) Unique IP address

    (c) Browser              (d) Modem connection

**7.** Internet uses-

    (a) Packet switching         (b) Circuit switching

    (c) Telephone switching     (d) Telex switching

**8.** This separates the two parts of an email address-

    (a) An 'at' symbol (@)      (b) Number Sign (#)

    (c) An asterisk (*)          (d) Equal Sign (=)

**9.** Computer is free from tiresome and boredom. We call it-

    (a) Accuracy             (b) Reliability

    (c) Diligence             (d) Versatility

**10.** The purpose of "menu-bar" in a GUI Application is-

    (a) Present a list of available actions and options    (b) For displaying advertisement

    (c) To provide quick access to system settings      (d) To control screen brightness

**11.** The shortcut key to "Insert Hyperlink" in a document?

    (a) Ctrl + L              (b) Ctrl + K

    (c) Ctrl + W            (d) Ctrl + H

**12.** B7:B9 indicates-

    (a) Cells B7 through B9     (b) Cells B7 and Cell B9 only

    (c) Cell B8 only           (d) Cell B7 only

**13.** This section does not exist in a slide layout-

    (a) Titles                (b) Lists

    (c) Charts               (d) Animations

14. Modem refer to-
    (a) Modulation
    (b) Demodulation
    (c) Modulator and demodulator
    (d) Modem mode of communication

15. Computer on the internet owned and operated by education institution form part of the-
    (a) com domain
    (b) edu domain
    (c) ins domain
    (d) gov domain

16. This infects your computer with a virus while you are browsing the Internet.
    (a) Enabling JavaScript on the browser
    (b) Refreshing web pages.
    (c) Disabling cookies
    (d) Downloading files from a web site

17. Digital signature is-
    (a) an electronic signature used as ID in secure sites
    (b) an electronic encryption signature
    (c) an electronic signature to validate the identity of the source of a message
    (d) a signature that is scanned

18. CGA, VGA, EGA are associated with-
    (a) Ink jet Printer
    (b) Plotters
    (c) Web Cameras
    (d) Monitor

19. DOS stands for-
    (a) Digital Operating System
    (b) Disk Operating Session
    (c) Disk Operating System
    (d) Disk Open System

20. Office Button is symbolized with which feature on MS Word?
    (a) Paper
    (b) Ribbon
    (c) Arrow
    (d) Office

21. Which of the following statement is false?
    (a) Formula in Excel always starts with =
    (b) Standard width of a column is 18.45
    (c) TIME() function is used to display current time
    (d) Conditional formatting formats cells based on their contents

22. Which of the following is not an option when printing handouts?
    (a) Two slides per page
    (b) Three slides per page
    (c) Five slides per page
    (d) Six slides per page

23. Web page is located using-
    (a) Universal Record Linking
    (b) Uniform Resource Locator
    (c) Universal Record Locator
    (d) Uniformly Reachable Links

**24.** This organization published standards and guidelines related to all aspects of the Web.

    (a)  IAB                            (b)  ICANN

    (c)  W3C                            (d)  IETF

**25.** This can cause a problem when sending an email.

    (a)  Attaching an executable file         (b)  Attaching a large file

    (c)  Sending without a subject            (d)  Not adding signature at the end

**26.** Information retrieval is fastest from-

    (a)  Hard disk                       (b)  Floppy disk

    (c)  Magnetic tape                (d)  CD-ROM

**27.** Device that connects to a network in order to locate the best path to ensure that data will reach its destination.

    (a)  Hub                          (b)  Switch

    (c)  Gateway                     (d)  Router

**28.** In Slide Sorter view, you can see-

    (a)  enlargements of all the slides in the presentation

    (b)  miniatures of all the slides in the presentation

    (c)  a new clipart library

    (d)  a corresponding bar

**29.** Which of the following is true?

    (a)  ROM stands for Random Only Memory

    (b)  Pentium is the latest superscalar processor

    (c)  Speed of a computer is measured in Megahertz or Gigahertz

    (d)  BIOS instructs the service routine to configure the hardware and RAM

**30.** The following function will return a value of 8

    (a)  ROUNDUP(8.4999, 0)          (b)  ROUNDDOWN(8.4999, 0)

    (c)  ROUND(8.4999, 0)            (d)  Only (b) and (c)

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