



भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology  
Hyderabad

**Indian Institute of Technology Hyderabad**  
Kandi -502285, Telangana, India

Advt. No. IITH/2023/Rec/NF/13

**Application Number of the Candidate**

**Name of the Post: PTI**

**Question Paper Id:**

<b>0</b>	<b>0</b>	<b>1</b>
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**Date & Time of the Exam:**

**Duration: 30 mins**

**Marks : 25**

Scheme of the Exam:

Topic	Number of Question	Marks
General English (Communication Skills)	2	1 x 2 = 2
General Arithmetic	3	1 x 3 = 3
Sports and fitness related	20	1 x 20 = 20

Instructions to fill the responses in the OMR answer sheet

1. Candidate must write his/her **application number** in the designated box on the top of OMR answer sheet.
2. Candidate must write the post code and Question paper code in the designated boxes on the top of OMR answer sheet
3. Candidate must sign in the box provided in the OMR answer sheet
4. Each answer sheet must be signed by the invigilator in the space printed in the OMR answer sheet
5. Only one response to be selected & marked. In case more than one response is marked for a single question or no response is marked for a question, no marks will be given for that question.
6. Partially filled circles shall not be considered as responses
7. Candidate must use Black ball point pen only to fill his/her responses
8. Rough work should not be done on the OMR answer sheet.
9. Candidate can use the designated page(s) of the question booklet for the purpose of rough work.

### General English (Communication Skills)

1. Children enjoy \_\_\_\_\_ the TV programs.
  - a. to look at
  - b. watching
  - c. to see
  - d. to watch
  
2. Our sir teaches Mathematics, \_\_\_\_\_ English.
  - a. beside
  - b. both
  - c. besides
  - d. across

### General Arithmetic

3. The total age of three kids in a family is 27 years. What will be the total of their ages after three years?
  - a. 30
  - b. 33
  - c. 36
  - d. 39
  
4. Find the next term of the arithmetic sequence 177, 173, 169, 165, ...
  - a. 164
  - b. 163
  - c. 157
  - d. None of the above

5. A pineapple costs Rs. 7 each. A watermelon costs Rs. 5 each. X spends Rs. 38 on these fruits. The number of pineapples purchased is
- 2
  - 3
  - 4
  - Data inadequate

### Work Related

6. Who among the following is the First Indian Women to get an Olympic Medal?
- Anju Bobby George
  - Karnam Malleswari
  - P. T. Usha
  - Nameirakpam Kunjarani
7. What is the title of the autobiography of Major Dhyan Chand?
- Goal
  - Hockey Days
  - Hockey – My Life
  - My Hockey Life
8. The 2022 Winter Olympic Games were held in
- Moscow, Russia.
  - Oslo, Norway.
  - Beijing, China.
  - Helsinki, Finland.

9. Which country has won the maximum number of medals in the all time history of Commonwealth Games?
- Australia
  - India
  - England
  - USA
10. Who won the 2022–23 Ranji Trophy?
- Madhya Pradesh
  - Saurashtra
  - Vidarbha
  - Mumbai
11. The headquarters of the International Cricket Council is situated in
- Dubai
  - London
  - Sydney
  - Cape Town
12. What of the following cranial nerves is related to the sense of smell?
- Olfactory
  - Trochlear
  - Abducens
  - Hypoglossal

13. Which gland secretes the stress hormone 'cortisol'?
- Thyroid
  - Parathyroid
  - Pituitary
  - Adrenal gland
14. Which joint is the largest weight bearing joint in the human body?
- Hip joint
  - Knee joint
  - Elbow joint
  - Ankle joint
15. Sprain possibly occurs in
- Bones
  - Tendon
  - Muscles
  - Ligament
16. Oxygen delivery to exercising skeletal muscles increases due to
- Decrease in arterial blood pressure
  - Decrease in resting heart rate
  - Decrease in cardiac output
  - Redistribution of blood flow
17. Which is the power plant of a cell?
- Mitochondria
  - Nucleolus
  - Ribosome
  - None of the above

18. Normal tidal volume is approximately
- 500 ml
  - 50 ml
  - 5000 ml
  - 1000 ml
19. Which among the following is a type of High Intensity Interval Training?
- Yoga
  - Calisthenics
  - Tabata
  - Weight training
20. In which sport is the term “Chinaman” used?
- Wrestling
  - Water Polo
  - Gymnastics
  - Cricket
21. In which game is the term “Eagle” used?
- Tennis
  - Hockey
  - Golf
  - Billiards
22. \_\_\_\_\_ takes place when the ankle between two bones attached to a joint \_\_\_\_\_.
- Flexion, increase
  - Extension, increase
  - Extension, decrease
  - Adduction, increase

23. When you move your arms away from the imaginary central line (, i.e. the axis,) of your body, you are doing \_\_\_\_\_.
- Abduction
  - Rotation
  - Flexion
  - Adduction
24. The plane which divides the body into left and right is called \_\_\_\_\_.
- Coronal plane
  - Sagittal plane
  - Transverse plane
  - None of the above.
25. Sit and reach test measures the flexibility of the
- Lower back and hamstring muscles
  - Upper back and hamstring muscles
  - Both (a) and (b)
  - None of the above

Rough work:

IIT Hyderabad