INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
भारतीय प्रौद्योगिकी संस्थान तिरुपति

T I R U P A T I Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

Examination for Non-Teaching Positions
Adv. No. IITT/STAFFREC/02/2023 dated 23.08.2023

Junior Superintendent

Maximum Marks: 100   Time: 120 Minutes

Candidate Name	
Post Serial Number	
Signature of Invigilator	

General Instructions:

Please read the following instructions carefully:

1. This test booklet contains 16 pages. Immediately after the commencement of the examination, you should check that this test booklet does not have any unprinted or torn or missing pages or items etc. If so, get it replaced.

2. This test booklet contains 100 questions. Each Question carries 1 mark. Each question comprises four answers. You will select the answers which you want to mark on the answer sheet.

3. You have to mark only one answer otherwise it will be counted as wrong answer.

4. 0.33 mark will be deducted for each wrong answer.

5. Use blue/black ink ball point pen for darkening the circles on the OMR answer sheet only. Do not use Pencil.

6. Folding, wrinkling or putting any unwanted mark or damaging the OMR answer sheet is prohibited. The candidate will be responsible for invalidation of the OMR answer sheet by doing such deeds.

7. Any kind of electronic devices, including smart watches, mobiles, calculators, and/or any paper chits, letters or printouts are not allowed inside the examination hall.

8. You have to hand-over the answered OMR sheet and the test booklet to the invigilator after the examination.

--All the Best--

GENERAL ENGLISH LANGUAGE
(15 questions of 1 mark each)

Read the passage carefully and answer Q1 to Q5 given below.

Globalisation is an inexorable technology-driven process, which is bringing about an economic compact. The ship, the steam engine, the railroad, civil aviation and the internet have reduced geographical distances and inspired global economic integration as never before. The global economic community now needs a technology for national and global social cohesion that will make it easy for culturally diverse communities to live together. Otherwise, the world will fall apart, as it did after it reached unprecedented levels of global economic integration before the start of World War I. Europe seems to have found the mechanisms to end violent conflict. However, the divide between the industrialized and the other parts of the world where still there is no political and industrial stability seems to be growing. A clash between civilisations will neither be good for social cohesion nor for global economic interdependence.

Technology has reduced distances. It took many attempts for the first European to physically reach India's shoes. This quest even led to the discovery of North and South America. By contrast, better knowledge of geography and navigation made empires a viable proposition. The steam engine opened up national economies in ways undreamt of. The aircraft further revolutionised economic interdependence.

The story of Globalization has been revolutionised once again by information and communication technology. In terms of commerce, the significant development is that information- data, voice and video - can now travel very fast at much cheaper rates. Speed had been achieved more than a century ago with the advent of the telegraph. But, it is the reduced cost per unit volume of information transmission that has brought about dramatic changes. This new phenomenon is increasingly making the service industry global. Service providers can perform their tasks from distant locations with much less need to physically travel to the place where the service consumer lives. Business process outsourcing, the new name for this phenomenon, is becoming an important component of India's exports and is helping increase the profits of Indian and multinational firms.

What does globalization demand? It demands a global society that will be governed in ways that are akin to national economies. If global economic integration is progressing, then the global economy has to become akin to the national economy. It must find stable multilateral rules democratically arrived at. It needs dispute resolution that respects rules rather than the pursuit of self interest driven by considerations of power. Global economic governance must have some legitimacy. Unfortunately, States are largely persuing interests driven by consideratons of power.

1) How has technology brought about an economic compact?

  a) By ushering in a new economic era.

  b) By controlling and supervising the global economy

  c) It has slowed the pace of economy worldwide.

  d) None of these

2) What is the basic requirement for the global economic community?

  a) Free flow of information and trade

  b) Transparency in trade

  c) Social unity among people from different cultural backgrounds worldwide

  d) Removal of trade barriers around the world

3) Why is it necessary for all the civilization to maintain a harmonious co-existence?

  a) To maintain the process of globalization and unity among people

  b) To create employment opportunities worldwide

  c) To save mankind from disaster

  d) To maintain the pace of information resolution

4)	Why did it take many attempts for the first European to reach India's shores?
	a) Because North and South America were not discovered till then
	b) Because his knowledge of direction was poor
	c) Because there was little cohesion among people at global level at this time
	d) Because technology was not so sound then.

5)	How has information and communication technology revolutionized Globalization?
	a) Fast pace of information at low cost has helped the service industry operatae globally.
	b) Fast pace of information at low cost has generated communication business
	c) Information and communication technology has taken the shape of global business
	d) It has redefined the process of globalisation

6)	Fill in the blank with correct alternative given.
	He was punished for the .... of his duty.

a) Criticism	b) Immaturity
c) Percolation	d) Dereliction

7)	Gandhiji's speeches always brought out his .... for India and the well-being of its..............	
	a) Sadness, family	b) Greatness, residents
	c) Joy, land	d) Love, people

8)	People in all parts of the world play Football. (Rewrite in Passive voice.)
	a) All parts of the world Football is played.
	b) All parts of the world People play Football.
	c) Football is played by people in all parts of the world.
	d) In all parts of the world People play Football.

9)	An empty space without air in English is called	
	a) Vacuum	b) Vacum
	c) Vaccum	d) Vacumm

10)	We are quickly approaching the deadline given by the headquarter. (Find the adverb.)	
	a) quickly	b) approaching
	c) deadline	d) headquarter

11)	From among the alternatives, choose the word most nearly opposite in meaning to the word in capital letter : **FLAMBOYANT**	
	a) Excited	b) Quiet
	c) Angry	d) Multi-coloured

12)	Find the appropriate option that best represents the given set of words/idioms	
	A person whose thoughts are turned inwards	
	a) Expressive	b) Invertebrate

c) Intelligent	d) Introvert

13) **Find out the analogy.**

Hospital : Diseases : : Court : ?

a) Judgement	b) Dispute
c) Cases	d) Lawyer

14) Choose the word which is most nearly the same meaning as the word given in the CAPITAL:

REMINISCENT

a) similar	b) reminding
c) forget	d) obvious

15) Read the sentence below to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Spot the error.

a) While I do not doubt his honesty, I / b) feel unsure about the validity of the conclusions / c) he has presented in his report. / d) No error

GENERAL AWARENESS AND CURRENT AFFAIRS
(10 questions of 1 mark each)

16) Banks calculate Savings bank account interest on........................

a) Daily basis	b) Monthly basis based on minimum balance
c) Weekly basis based on minimum balance	d) Yearly basis based on minimum balance

17) The business formed for a limited period of operation is ....

a) Joint Venture	b) Trust
c) Limited Liability Company	d) Sole Proprietorship

18) According to NEP 2020, India will be promoted as a global study destination providing premium education at affordable costs thereby helping to restore its role as.....................

a) Economic power	b) Knowledge Economy
c) Vishwa Guru	d) Shiksha Guru

19) The ancient system of education in India included education of which of the following ancient texts?
A. Vedas; B Brahmanas; C. Upanishads; D. Dharma sutras
Choose the most appropriate answer from the following options given below:

a) A and C only	b) B and D only
c) A, C and D only	d) A, B, C and D

20) The Government of India created the Department of Science and Technology in the year:

a) 1990	b) 1985
c) 1978	d) 1971

21)	The science of studying the feedback systems in humans, animals and machines is described as

a) Feedback science b) Experience study

c) Message Hermeneutics d) Cybernetics

22) What is the full form of 'NCIVE'?

a) Non-Governmental Course for the Initiation of Vocational Enhancement

b) National Committee for the Integration of Vocational Education

c) Non-Governmental Council for the Integration of Veterinary Education

d) National Commission for the Informatin of Veterinary Education

23) Atmospheric haze is mainly caused by?

a) Ultra fine size particulate matters b) Oxides of nitrogen and sulphur

c) Ozone d) Carbon Dioxide and Carbon Monoxi

24) In November 2023, which of the following institutes the First Australia India Education and Skill Council (AIESC) meeting held?

a) IIT Madras b) IIT Gandhinagar

c) IIT BHU d) IIT Roorkee

25) Which of the following is the highest in hierarchy in the Ministry?

a) Joint Secretary b) Under Secretary

c) Deputy Secretary d) Additional Secretary

QUANTITATIVE APTITUDE
(15 questions of 1 mark each)

26) If in a city the rate of telephone calls is 50 paise per call for first 100 calls, 25 paise per call for the next 50 calls and 20 paise per call for calls made after 150 calls, then in Rs. 60 how many calls can be made?

a) 140 b) 150

c) 160 d) 175

27) A boy's age is one fourth of his father's age. The sum of the father's age and boy's age is 50. What will be the father's age after 12 years?

a) 38 b) 62

c) 55 d) 52

28) The number nearest to 75070 which is divisible by 65 is

a) 75075 b) 75065

c) 74945 d) 75010

29) The average age of 4 boys five years ago was 9 years. On including a new boy, the present average age of all the 5 boys is 14 years. What is the present age of the new boy?

a) 14 b) 15

c) 16 d) 19

30) A shopkeeper allows a discount of 12% to his customer and still gains 10%. Find the Marked Price of the article which costs Rs. 400

a) 600

b) 550

c) 580

d) 500

31) 64% of a number is 416. Find 85% of that number

a) 552.5

b) 552

c) 553.5

d) 553

32) What is the sum of 15% of Rs. 34 and 40% of Rs. 60?

a) 31.10

b) 31

c) 30

d) 29.10

33) If 15 men take 60 days to complete a job, find the number of days taken by 45 men to complete it

a) 15

b) 17

c) 18

d) 20

34) A train 280 metres long is moving at 60 Km/hr. What is the time taken (in seconds) by the train to cross a tunnel 220 metres long?

a) 20

b) 25

c) 30

d) 35

35) Raju purchased 550ml of milk every day. If the cost of 1 litre of milk is Rs 44/-,how much will he pay in 45 days ?

a) Rs 1098

b) Rs 1079

c) Rs 1089

d) Rs 1099

36) A monkey starts climbing a tree 20 feet tall. Each hour he climbs 3 feet and slips back 2 ft . How much time would it take the monkey to reach the top?

a) 21 hrs

b) 12 hrs

c) 18 hrs
e)

d) 15 hrs

37) There is an order of 19000 quantity of a particular product from a customer. The firm produces 1000 quantity of that product per day out of which 5% are unfit for sale. In how many days the order will be completed?

a) 18

b) 19

c) 20

d) 22

38) The average monthly income of a person in a certain family of 5 is Rs 10000.What will be the average monthly income of the person in the same family if the income of one person is increased by Rs 1,20,000 per year?

a) Rs 12,000

b) Rs 16,000

c) Rs 20,000

d) Rs 34,000

39) One fifth of Ramu's expenditure is equal to one half of its savings. If his monthly income is Rs 6300, how much amount he saves?

a) Rs 1550	b) Rs 1800
c) Rs 2000	d) Rs 2350

40) If Cost Price of an article is Rs. 600 and Selling Price is Rs.650. The gain or loss percent is:

a) 8*2/3% loss	b) 8*1/3% gain
c) 2*1/3% loss	d) 7*1/3% gain

MENTAL ABILITY AND REASONING
(10 questions of 1 mark each)

41) Below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement: There is a big change in the attitude of Indian Cricket team. They win the toss and choose to bat on an unhelpful, seaming wicket and that too against a better bowling attack.

Conclusions:

I. Indian cricket team consists of world-class batsman.

II. Indian team is fraught with confidence.

a) If only conclusion I follows	b) If only conclusion II follows
c) If either conclusion I or II follows	d) If neither conclusion I nor II follows

42) In a certain code DOWNBREAK is written as DNWOAERBK. How is ORGANISED written in that code?

a) OGARESING	b) DNISOGARE
c) OARENISED	d) OAGRESIND

43) In a certain code language 'kip daw paw' means 'where are you'; 'daw naw jaw' means 'you may come' and 'naw kaw saw' means 'he may go', which of the following means 'come' in that language?

a) daw	b) jaw
c) naw	d) cannot be determined

44) If the code for STABLE is 123456 and code for LABOUR is 534789 then the code for BOTTLE would be:

a) 472265	b) 472256
c) 452276	d) 483356
e)	

45) Consider the position of A and L in English alphabets. Among the given choices which pair of letters has the same relationship between them with respect to their position in the English alphabets as the pair AL has between them in the word GRADUAL?

a) RA	b) DU
c) GR	d) UA

46) Five golf players Arvind, Balu, Chinna, Dilli and Eswar play a series of match in which the following is always true of the results: Either Arvind is the last and Eswar is the first or Arvind is the first and Eswar is the last. Balu finishes ahead of Chinna. Every golfer plays and finishes every match. No two players ever finish at the same position in a match

Which of the following cannot be true?

a) Chinna finishes second

b) Dilli finishes second

c) Chinna finishes ahead of Delhi

d) Dilli finishes ahead of Balu

47) Ramalingam got delayed to his office one day. From his house he walked 25 metres towards south, took a right turn and walked 15 metres. He then took a left turn and walked 25 meter. Which direction is he now from his starting point?

a) South-east

b) South

c) South-west

d) North-west

48) Mr Rajamani was interested in the welfare of animals. He wanted to take care of cows properly. In his field 40 cows could eat for 40 days and the same grass field can feed 30 cows for 60 days. Mr Rajamani wanted to know for how many days will the grass field feed for 20 cows?

a) 90 days

b) 120 days

c) 180 days

d) 100 days

49) Kamalhasan's son is the son-in-law of Aditya's father. Sudharani is Aditya's only sister. Kamalhasan has only one grandson Parsuram. How is Parsuram related to Sudharani?

a) Father

b) Uncle

c) Son

d) Brother

50) One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?

a) East

b) West

c) South

d) Data is inadequate

Part- B Domain Knowledge (Total of 50 questions)

General Administration (10 questions of 1 mark each)

51) What are different kinds of file number system?

a) Functional File Number System

b) Conventional File Number System

c) Both (a) and (b)

d) Neither (a) nor (b)

52) What does the term 'PUC', used for flagging a paper in a file, stand for?

a) Paper Under Correspondence

b) Paper Under Current File

c) Paper Under Consideration

d) Placed Under Committee

53) What does category 'A" files mean?

a) Files to be kept for specified period

b) Files which qualify for permanent preservation and to be microfilmed

c) Files to be preserved but not microfilmed

d) Administrative files with each department

54) Any hospital stay beyond --------------------------- weeks should be considered as prolonged stay under CS (MA) Rules, 1944.

a) Ten Weeks

b) Eight Weeks

c) Six Weeks

d) Three Weeks

55) When a claim for reimbursement is rejected by a Controlling Officer, what is the period within which an appeal is to be made?

a) Thirty Days

b) Forty Days

c) Forty-five Days

d) Sixty Days

56) What is the frequency and limit prescribed for reimbursement of cost of boot for patients of polio?

a) After 3 years for a maximum limit of 3 times

b) Once in 3 years for 5 times

c) Once in 5 years for 3 times

d) No limits

57) "RTI Week" is celebrated every year during------------------

a) 5th –12th April

b) 5th – 12th June

c) 5th – 12th October

d) 5th – 12th December

58) 'Deemed Refusal' under the RTI Act is --------------

a) An Applicant's refusal to pay fees

b) An FAA's refusal refusal to hear a first appeal within 30 days

c) A failure to provide information by PIO within stipulated time

d) An APIO's refusal to provide information on request by an Applicant

59) Will a person who abets offences under Prevention of Corruption Act be punished?

a) Yes

b) No

c) Yes, if the offence is committed

d) Will be liable to fine alone

60) What is the minimum term of imprisonment given as punishment to a public servant who has committed Criminal misconduct?

a) One Year

b) Two Years

c) Three Years

d) Four Years

Establishment (10 questions of 1 mark each)

61) What is the maximum quantum of invalid pension which shall be payable to a Government Servant who retires under Rule 39 of CCS (Pension) Rules, even before completing a qualifying service of 10 years?

   a) Rs. 1,25,000 p.m.

   b) Rs. 2,50,000 p.m.

   c) Rs. 18,000 p.m.

   d) Rs. 9,000 p.m.

62) A Government servant drawing pay of Rs.33,000 in level 4 from 01.07.2021, dies on 10.07.2021 in a road accident leaving behind his wife. His date of appointment is 01.02.2013. What is the family pension admissible to his wife?

   a) Rs.19,980

   b) Rs.16,650

   c) Rs.9,990

   d) Rs.9,000

63) What is the time limit fixed for drawal of advance for a journey by train?

   a) 30 days before the proposed date of outward journey

   b) 45 days before the proposed date of outward journey

   c) 60 days before the proposed date of outward journey

   d) 125 days before the proposed date of outward journey

64) What is the rate of penal interest over the interest rate of GPF, in case of unutilised balance LTC advance recovered from the official?

   a) 3.5%

   b) 3%

   c) 2.5%

   d) 2%

65) When is Leave Not Due granted without Medical Certificate?

   a) In continuation of HPL

   b) In continuation of EL

   c) In continuation of Child Adoption Leave

   d) In continuation of EOL

66) What is kind of leave granted to Government servants whose services are temporarily not required?

   a) Departmental Leave

   b) Special casual Leave

   c) Recess Leave

   d) No such kind of leave is granted

67) To avail Education Allowance for disabled children, what is the validity period of a disability certificate in cases where disability is temporary?

   a) 2 Years

   b) 5 Years

c)	7 Years
d)	10 Years

68) What is the upper age limit for children other tan *divyaang* children for reimbursement of CEA?
   a) 21 Years
   b) 22 Years
   c) 24 Years
   d) 20 Years or till thee passing of 12th class, whichever is earlier

69) A Central Government servant is drawing pay @Rs. 66,000 in Level 7 from 01.11.2018. He proceeded on HPL from 01.12.2018. What will be his NPS contribution for the month of December 2018?

   a) Rs. 3300

   b) Rs. 3597

   c) Rs. 5036

   d) Rs. 9240

70) An application for grant of certificate of empanelment to be an annuity service provider shall be disposed of by the Authority within---

   a) Thirty Days

   b) Twenty Days

   c) Fort-five Days

   d) Sixty Days

Finance & Accounts (10 questions of 1 mark each)

71) Who of the following are not included in the term 'relative' for the purposes of Section 56 which deals with income from other sources?

   a) Spouse

   b) Close Friend

   c) Brother or Sister of spouse

   d) Any lineal ascendant or descendant

72) What is the aggregate amount allowed as a deduction for payment towards preventive health check-up?

   a) Rs. 15,000

   b) Rs. 20,000

   c) Rs. 25,000

   d) Rs. 30,000

73) Under which Section is a deduction allowed for purchase of an Electrical Vehicle?

   a) Section 80-EE

   b) Section 80-EEA

   c) Section 80-EEB

   d) Any one of the above

74) What is the minimum rate of interest allowed to GPF subscriptions?

   a) 4%

   b) 5%

   c) 6%

   d) No minimum rate fixed

75) Interest for how many months is allowed on GPF balances in respect of persons found absconding?

    a)   Upto the month in which the employee last worked

    b)   Upto six months from the date a report has been obtained from the Police Department

    c)   Upto one year from the date from which the subscriber is absconding

    d)   No interest is payable in respect of persons absconding

76) What is the maximum amount that can be withdrawn by a subscriber from the GPF fund?

    a)   50% of the amount standing to his credit

    b)   ¾ th of the balance at his credit in the fund

    c)   An amount equal to six months pay

    d)   An amount equal to 90% of amount at credit

77) As per which Rule of GFR 2017, all moneys received by or on behalf of the Government either as dues of Government or for deposit, remittance or otherwise, shall be brought into Government Account without delay?

    a)   Rule 13

    b)   Rule 7

    c)   Rule 21

    d)   Rule 54

78) Which Rule of GFR 2017 contains "Delegation of Financial Powers"?
    a) Rule 17

    b)   Rule 21

    c)   Rule 23

    d)   Rule 44

79) Budgeted total cost in indirect cost pool, is divided by the budgeted total quantity of cost allocation base, calculates-----

    a) Budgeted Direct Cost Rate

    b) Budgeted Indirect Cost Rate

    (c) Expected Indirect Cost Rate

    d) Direct Budget Percentage

80) Break-even analysis Chart is drawn between____

    a)   Overhead Cost and Fixed Cost

    b)   Volume of Production and Income

    c)   Material Cost and Labour Cost

    d)   None of above

Stores & Purchase (10 questions of 1 mark each)

81) Purchase of goods on each occasion may be made on the recommendations of a duly constituted Local Purchase Committee has been referred to in GFR under Rule-----
   a) 151
   b) 154
   c) 155
   d) 157

82) Advertised Tender Enquiry should be resorted for procurement of goods of estimated value of Rupees
   a) 10 lakh and above
   b) 20 lakh and above
   c) 25 Lakh and above
   d) 30 lakh and above

83) Where the bids from abroad are also to be obtained, the minimum period should be kept as--
   a) 3 weeks for domestic and 4 weeks for foreign bidders
   b) 3 weeks for both domestic and foreign bidders
   c) 4 weeks for both domestic and foreign bidders
   d) 4 weeks for domestic and 6 weeks for foreign bidders

84) The bid security is normally to remain valid for a period of
   a) 30 days beyond the final bid validity period.
   b) 30 days from date of inviting bid
   c) 45 days beyond the final bid validity period
   d) 45 days from date of inviting bid

85) In case of advance to a State or Central Government agency or a Public Sector Undertaking, it should not exceed:
   a) 20% of the contract value
   b) 25% of the contract value
   c) 30% of the contract value
   d) 40% of the contract value

86) Preparation of a long list of potential consultants may be done on the basis of formal or informal enquiries from other Ministries or Departments or Organizations involved in similar activities, Chambers of Commerce & Industry, Association of consultancy firms etc. Where the estimated cost of the consulting service is up to Rupees
   a) 10 lakh
   b) 15 lakh
   c) 25 lakh
   d) 40 lakh

87) "Expression of Interest" should be sought where the estimated cost of the consulting services is
   a) Above Rs. 20 lakh
   b) Above Rs. 25 lakh
   c) Up-to Rs. 20 lakh
   d) Up-to Rs. 25 lakh

88) Which of the following sector is not covered in the Make in India programme?
   (a) Automobiles
   (b) Biotechnology,

(c) Media and entertainment

(d) Education

89) Which of the following statement is/are correct about the Make in India programme?
i. This is designed to facilitate investment, foster innovation, enhance skill development
ii. It also targets at improving India's rank on the Ease of Doing Business index
iii. Roads and highways, tourism, and hospitality and wellness are also under its targeted sectors.

(a) only i, ii

(b) only ii,iii

(c) only i,iii

(d) All i,ii,iii

90) A Company uses 2555 units of item annually. Delivery lead time is 8 days. The reorder points (in no. of units) to achieve optimum inventory is_____

a)   48

b)   52

c)   56

d)   60

Academics (10 questions of 1 mark each)

91)   Minimum number of credits to be obtained for the award of the MPP degree,
a)   should be not less than 71 and not more than 76
b)   should be not less than 69 and not more than 76
c)   should be not less than 70 and not more than 76
d)   should be not less than 71 and not more than 76

92)   B.Tech Students belonging to GEN / GEN-EWS / OBC-NCL categories, whose annual family income is between Rs. 1.00 lakh to Rs. 5.00 lakh, will get waiver of _____

a) 2/3 rd of the tuition fee

b) 100% of the tuition fee

c) 1/3 rd of the tuition fee

d) 50% of the tuition fee

93) B.Tech students, at the time of reporting at the admitting institute, biometric verification shall be done against the biometric data captured at _____

a) the time of the exam

b) the time of counselling

c) the time of document verification

d) the time of applying

94) Find the odd man out (Which one is not a curriculum-based programme).

a) B.Tech

b) MPP

c) M.Sc

d) MS(R)

95) Staff can register Ph.D/MS(R) Programme after completing _____ years of regular service at IIT Tirupati

a) 4

b) 3

c) 2

d) 1 (after completing the probationary period)

96) Course work requirement of Research scholars is _____ CGPA, subject to a minimum of a ___ grade in each of the prescribe courses.

a) 8.00 and B

b) 7.50 and C

c) 7.50 and B

d) 8.00 and C

97)   Half-Time Teaching Assistantship (HTTA) will be paid to

a) B.Tech and M.Sc students

b) M.Tech and MPP students

c) MS(R) and M.Sc Students

d) Ph.D Scholars

98) B.Tech students who are admitted to a preparatory course will study the following basic courses in their first year:

a) Maths, Physics, Chemistry, Hindi

b) Maths, Physics, Chemistry

c) Maths, Physics, Chemistry, English

d) Maths, Physics, Chemistry, Humanities

99) The minimum residential requirement for the PhD scholars admitted under the external or part-time categories is

a) One semester

b) One year

c) Two years

d) None of the above

100) All academic matters related to the selection of students or participants in academic programs and courses, and periodic information regarding their progress and completion, shall similarly be reported to the _____ for its information and approval.

a) IIT Council

b) Senate

c) Board

d) Class Committee

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SPACE FOR ROUGH WORK