

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

## Bachelor of Multimedia (BMM)

### Entrance Exam (08-09)

#### Model Paper Pattern

Duration: 3 Hrs

Max Marks: 150

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#### PHASE – I (Max Marks – 100)

##### Section I: Aptitude Test (Objective Type)

1x30=30

This section evaluates applicant's General Knowledge, Analytical skills through a range of Questions Related to Sports, Politics, History, Arts and Design etc. The applicant's Test of Reasoning is also evaluated under this section.

##### Section II: Maths and Physics (Objective Type)

1x20=20

This section evaluates applicant's Knowledge in Basic Mathematics (10<sup>th</sup> class) and Basic Physics (10<sup>th</sup> class) which gives an idea of his/her calculative/programmatic skills.

##### Section III: Grammar & Writing skills

Marks: 20

This section evaluates applicant's Grammar, Intelligent Quotient, Writing abilities etc.

Objective Type (Grammar) – 10 Questions

1x10=10

Essay on any one of the given Topics

1x05=05

Letter Writing

1x05=05

##### Section IV: Art and Design (Pencil Arts only)

3x10=30

This section evaluates the applicant's artistic abilities.

Rough sketch on the given Topic

1x10=10

Replicating the given Drawing

2x5=10

Continuing the given Storyboard & finishing with one's own creativity

1x10=10

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#### PHASE – II (Max Marks – 50)

##### Section I: Personal Interview

Marks 50

This section evaluates the applicant's Communication, Presentation skills and will be followed by a group discussion round.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

## Bachelor of Multimedia (BMM) Entrance Exam Model Question Paper with Answers

### Section – I (Aptitude Test)

**Total Marks: 30**

1. Which number should come next in the series 144 121 100 81 64?
  - a 49
  - b 36
  - c 50
  - d 55
  
2. John likes 400 but not 300; he likes 100 but not 99; he likes 3600 but not 3700. Which of the following numbers would he like?
  - a 900
  - b 1000
  - c 1100
  - d 1200
  
3. Steam is to water as liquid is to
  - a ice
  - b solid
  - c vapor
  - d snow

4. NASA received three messages in a strange language from a distant planet. The scientists studied the messages and found that "Necor Buldon Slock" means "Danger Rocket Explosion" and "Edwan Mynor Necor" means "Danger Spaceship Fire" and "Buldon Gimilzor Gondor" means "Bad Gas Explosion". What does "Slock" mean?

a danger

b explosion

c rocket

d gas

5. If you were to add all odd numbers between 1 and 11 (both inclusive), the result would be

a even

b odd

c primary number

d none of the above

6. Ganges is to India as Volga is to

a Holland

b Russia

c Turkey

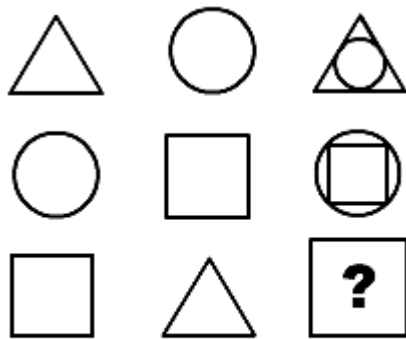
d Burma

7. A boy is 4 years old and his sister is three times as old as he is. When the boy is 12 years old, how old will his sister be?
- a 16
  - b 20
  - c 24
  - d 36
8. Which one of these four things is least like the other three?
- a Grapes
  - b Ginger
  - c Apricot
  - d Cherry
9. Which number should come next in the series 1,4,9,16,25,
- a 30
  - b 36
  - c 41
  - d None of the above
10. In a regular pentagon, how many lines are needed to connect each corner with every other corner?
- a 7
  - b 8
  - c 9
  - d 10

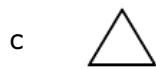
11.



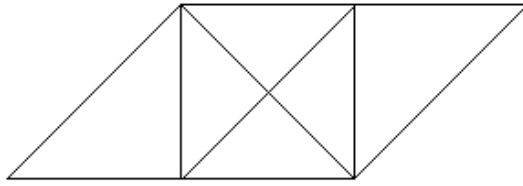
12.



Which of the figures shown below completes the sequence?



13.



How many triangles are there in this diagram?

- a 9
- b 10
- c 11
- d 12

14.



For the picture sequence above, find the picture that follows logically from one of the four below.

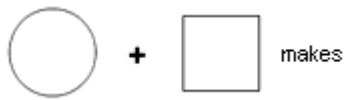
- a
- b
- c
- d

15.



- a
- b
- c
- d

16.




- a 
- b 
- c 
- d 

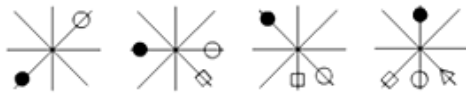
17.



Which comes next?

- a 
- b 
- c 
- d 



18.





Which comes next ?

- a 
- b 
- c 
- d 

19. Which is the odd one out?

- a 
- b 
- c 
- d 

20.  +  makes

- a 
- b 
- c 
- d 

21. Which is the deepest point of all the water bodies?

- a Marianas Trench
- b Oceanic Deeps
- c Continental Slopes
- d Continental Shelves

22. What ministry does Sharad Pawar hold?

- a Ministry of Agriculture
- b Ministry of Sports
- c Ministry of Mines
- d Ministry of Roads and Buildings

23. Who invented paper?

- a Indians
- b British
- c Chinese
- d Italians

24. Name the Monetary Unit of South Africa.

- a Rand
- b Euro
- c Franc
- d South Africa Dollar

25. Which one of the four choices makes the best comparison?  
LIVED is to DEVIL as 6323 is to

- a 3236
- b 6233
- c 3263
- d None of the above

26. Who is the current Defence minister?

- a Pranab Mukherjee
- b George Fernandes
- c Suresh Reddy
- d A.K. Antony

27. Who is the current External Affairs Minister?

- a Manmohan Singh
- b Shivraj Patil
- c Sharad Pawar
- d None of the above

28. Who is the LTTE chief?

- a Nakkiran Gopalan
- b V. Prabhakaran
- c Ranasinghe Premadasa
- d None of the above

29. Who is the current Minister of Communications & Information Technology?

- a Anbumani Ramdoss
- b TR Balu
- c Dayanidhi Maran
- d Shivraj Patil

30. Who accepts the resignation of a Member of Parliament (Loksabha)?

- a Chief Minister
- b Loksabha Speaker
- c Vice President
- d President

**Section – II (Maths & Physics):**

**Total Marks: 20**

1. How many planets are there in our solar system?

- a 8
- b 10
- c 12
- d 9

2. Which planet is known as the Red Planet?

- a Venus
- b Mars
- c Jupiter
- d Earth

3. Who discovered the circulation of blood?

- a William Harvey
- b Hargobind Khorana
- c Louis Pasteur
- d Edward Jenner

4. Who invented dynamite?

- a Faraday
- b Pascal
- c Nobel
- d Einstein

5. Who discovered the laws of motion?

- a Galileo
- b Einstein
- c Darwin
- d Newton

6. Moon has no gravity.

- a true
- b false

7. Which of the following quantities is a scalar?

- a acceleration
- b force
- c speed
- d velocity

8. A scalar is a quantity that has both magnitude and direction

- a true
- b false

9. Which of the following quantities is a vector?

- a time
- b distance
- c velocity
- d speed

10. Both speed and velocity have the same units of measurement.

- a true
- b false

11. Speed is defined as

- a distance/time
- b time/distance
- c time/velocity
- d none of the above

11.If an object moves through equal distances in equal times, then it is moving at a constant

- a velocity
- b acceleration
- c displacement
- d speed

13. The square root of 10000 is  $\pm$

- a 10
- b 100
- c 1000
- d None of the above

14.  $61.1 \times 9 =$  \_\_\_\_\_

- a 54.99
- b 549.9
- c 549
- d None of the above

15. The value of  $\pi$  is

- a  $22/7$
- b  $44/9$
- c  $11/11$
- d None of the above

16.  $(4)^4 =$  \_\_\_\_\_

- a 16
- b 256
- c 1026
- d 4096

17. 30% of 500 is \_\_\_\_

- a 150
- b 180
- c 200
- d None of the above

18.  $(a+b)^2 =$  \_\_\_\_\_

- a  $a^2-b^2+2ab$
- b  $a^2+b^2-2ab$
- c  $a^2-b^2-2ab$
- d  $a^2+b^2+2ab$

19.  $\frac{2}{3} - \frac{3}{8} =$

- a  $\frac{7}{24}$
- b  $\frac{24}{7}$
- c  $\frac{9}{24}$
- d  $\frac{24}{9}$

20. The breadth of a rectangular plot is one third of its length. If the perimeter of the plot is 240 meters what is the length of the plot?

- a 80
- b 90
- c 120
- d 210

**Section – III (Grammar & Writing Skills):**

**Total Marks: 20**  
**01 x 10 = 10**

1. The synonym of SELDOM is \_\_\_\_\_

- a often
- b regular
- c never
- d occasional

2. The synonym of BOAST is \_\_\_\_\_

- a boost up
- b brag
- c reduce
- d generate

3. Which of the following is correct?

- a maneuver
- b manaeuver
- c meneuver
- d maneuveur

4. Which of the following is correct?

- a apostrophe
- b apostrophy
- c appostrephe
- d appostrophy

5. What does permit mean?

- a deny
- b adjourn
- c allow
- d reject

6. The plural for the word software is \_\_\_\_\_

- a software
- b softwares
- c softwarez
- d none of the above

7. The book is \_\_\_\_\_ the table.

- a through
- b with
- c on
- d in

8. Which of the following is a correct sentence?

- a John had went to USA to study at Stanford University.
- b John had been went to USA to study at Stanford University.
- c John went to the USA to study at the Stanford University.
- d John has been gone to USA to study at Stanford University.

9. I \_\_\_\_\_ TV when the telephone rang.

- a watched
- b was watching
- c are watching
- d have watched

10. She \_\_\_\_\_ lunch by the time we arrived.

- a had finished
- b Finished
- c have finished
- d finishing

**Essay writing:**

**05 x 01 =05**

1. The working hours in colleges and schools should be increased. Express your views from your own experience (150 - 200 words )

or

2. How important is effective communication? Express your views from your own experience (150 – 200 words )

**Letter Writing:**

**05 x 01 =05**

1. Write a letter to your manager seeking permission for a half-day leave at your work place.

or

2. Write a letter to the Chief Minister suggesting some changes that you would like to see in the society.

**Section IV – Art and Design (Visual Arts & Drawing skills) Total Marks: 30**

**1 Draw any one of the topic given below with maximum details. 10 x 01 =10**

a. A girl playing with a dog.



b. A dog with a bone.



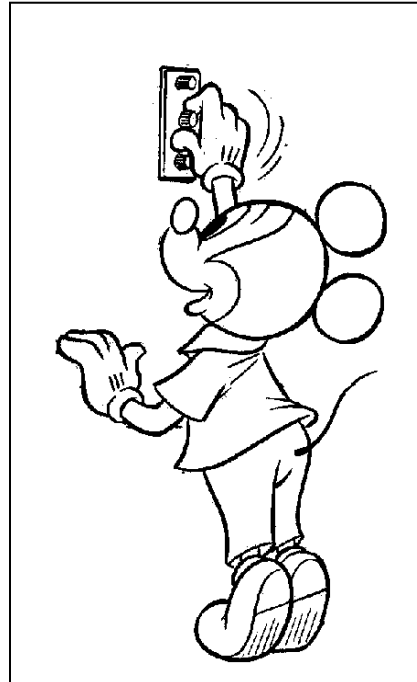
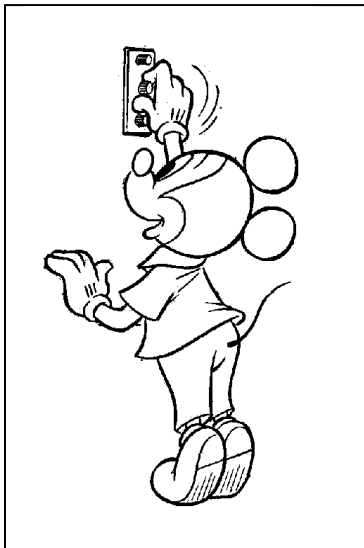
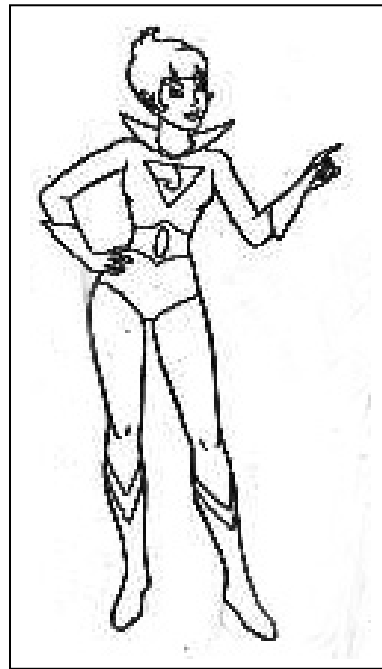
c. A man's face with beard



d. A girl's face.



2. Draw any one of the given drawing inside the adjacent box. 10 x 01 = 10



3. Continue the given Storyboard & finish with your own creativity 1x10=10

