





Mathematics

(Part A: 50 Marks Part B: 50 Marks
Total:100 Marks) Time = 3 hours

OBJECTIVE PART (MCQs)

- Eighty thousand two hundred fifteen in numerals is:
(a) 8215 (b) 80215 (c) 800215 (d) 802015
- The solution of $67207 - 948$ is:
(a) 66259 (b) 67269 (c) 67741 (d) 68155
- The solution of 473×30 is:
(a) 14190 (b) 19140 (c) 19410 (d) 41910
- The next term of the pattern 3, 6, 9,..... is:
(a) 10 (b) 11 (c) 12 (d) 13
- Identify the pattern rule of 30, 27, 24,.....
(a) Addition (b) Subtraction (c) Multiplication (d) Division
- The HCF of 8 and 12 is:
(a) 2 (b) 3 (c) 4 (d) 6
- The LCM of 10 and 15 is:
(a) 20 (b) 25 (c) 30 (d) 40
- The solution of $\frac{9}{10} \times \frac{15}{18}$ is:
(a) $\frac{3}{2}$ (b) $\frac{3}{4}$ (c) $\frac{3}{5}$ (d) $\frac{4}{3}$
- The descending order of 2.47, 1.62, 0.31, 4.76, 2.74 is:
(a) 0.31, 1.62, 2.47, 2.74, 4.76 (b) 4.76, 2.74, 2.47, 1.62, 0.31 (c) 0.31, 1.62, 2.74, 2.47, 4.76 (d) 4.76, 2.47, 2.74, 1.62, 0.31
- The solution of $23.56 - 1.75$ is:
(a) 16.06 (b) 21.81 (c) 25.31 (d) 41.23
- The solution of 41.7×4 is:
(a) 156.8 (b) 164.8 (c) 166.8 (d) 167.8

- The solution of $68.4 \div 9$ is:
(a) 5.6 (b) 6.7 (c) 7.6 (d) 8.6
- A bicycle covers a distance of 29.5 km in 5 hours. The distance covered in one hour will be:
(a) 5.9 km (b) 24.5 km (c) 35.9 km (d) 147.5 km
- By rounding off 4.816 to one decimal place, we get:
(a) 4.7 (b) 4.8 (c) 4.9 (d) 4.82
- 15% in decimals will be:
(a) 0.015 (b) 0.15 (c) 1.15 (d) 1.50
- Hassan got 45 marks out of 75 in Urdu test. His marks percentage is:
(a) 23% (b) 35% (c) 60% (d) 70%
- Metres in 3700 cm are:
(a) 0.37 m (b) 3.7 m (c) 37 m (d) 370 m
- Days in 10 weeks are:
(a) 50 (b) 60 (c) 70 (d) 80
- If the price of one toy is Rs 20, then the price of 7 toys will be:
(a) Rs 27 (b) Rs 49 (c) Rs 140 (d) Rs 270
- If the price of 5 bags is Rs 2500 then the price of one bag will be:
(a) Rs. 500 (b) Rs. 400 (c) Rs. 300 (d) Rs. 200
- The complement of 55° is:
(a) 25° (b) 30° (c) 35° (d) 45°
- Identify the isosceles triangle:
(a)  (b)  (c)  (d) 

- The lines of symmetry in the given figure are:
(a) 1 (b) 2 (c) 3 (d) 4
- The order of rotational symmetry of the given figure is:
(a) 2 (b) 3 (c) 4 (d) 5
- The average of 3, 5, 9 and 15 is:
(a) 4 (b) 5 (c) 6 (d) 8

SUBJECTIVE PART (CRQs)

- Solve 87259×132
Find the LCM of 24, 32 and 40 by division method.
- Solve $2\frac{14}{25} + 2\frac{2}{10}$
82.5 kg of rice is packed in some packets. If each packet contains 5.5 kg of rice, then find the number of packets.
- Afzal's age is 12 years 8 months and his sister's age is 15 years 10 months. What will be the difference between their ages in months?
- Maryam bakes a cake in 35 minutes 45 seconds and a pizza in 45 minutes 27 seconds. How much time does she take to bake both the items?
- Find the supplementary angle of 110° .
Draw a rectangle ABCD with the help of protractor and ruler. Whose length is 4cm and width is 3cm.

- (a) A rectangular pool is 9 metre long and 6.8 metre wide. Find the perimeter of the pool.
(b) Rizwan has 16, Hafeez has 20, Shan has 15 and Ali has 9 books. Find the average of books.

SCIENCE

(Part A: 50 Marks Part B: 50 Marks
Total:100 Marks) Time = 3 hours

OBJECTIVE PART (MCQs)

- Grouping of organisms based on differences and similarities is called:
(a) classification (b) reproduction (c) pollination (d) fertilization
- The internal skeleton of vertebrates is made up of:
(a) muscles (b) skin (c) bones (d) tissues
- A student saw an animal in a garden. It has a round and cylindrical body with no legs. When exposed to light, it quickly crawls into the ground. To which group does this animal belong?
(a) Sponges (b) Molluscs (c) Worms (d) Echinoderms
- Which of the following diseases is caused by a virus?
(a) Smut (b) Cholera (c) Polio (d) Typhoid
- The germs of COVID-19 virus spread through:
(a) air (b) water (c) food (d) light

6. Labelled part 'X' of the given image consists of:

- (a) sepal and petal سبیل اور پتال
(b) stigma and style سٹگما اور سٹائل
(c) ovary and sepal اڈوری اور سبیل
(d) anther and filament اشتر اور فلیمانٹ

7. Which of the following components is NOT present in a gram seed?

- (a) Cotyledon کاتی لیدن (b) Micropyle مائکروپائل
(c) Endosperm اینڈوسپرم (d) Radicle ریڈیکل

8. Which of the following is the cause of air pollution?

- (a) Fertilizers فرٹیلائزرز (b) Garbage گوبر
(c) Plastic پلاسٹک (d) Smoke سموک

9. Old worn-out tyres can be used again by adopting which strategy?

- (a) Refuse انکار کرنا (b) Reuse دوبارہ استعمال کرنا
(c) Reduce کم استعمال کرنا (d) Recycle ری سائیکل کرنا

10. Sourness of milk indicates:

- (a) physical change فزیکل تبدیلی
(b) chemical change کیمیکل تبدیلی
(c) temporary change عارضی تبدیلی
(d) no change کوئی تبدیلی نہیں

11. Bacteria and fungi decompose the dead bodies into simple components called:

- (a) decaying توجڑ پھوڑ (b) burning جلتا
(c) rusting زنگ لگنا (d) freezing جمنا

12. Which of the following has an unpleasant sound?

- (a) Donkey گدھا (b) Cat بلی
(c) Parrot طوطا (d) Sparrow چڑیا

13. What will be the size of a shadow when the distance between the object and the light source increased?

- (a) Bigger بڑا (b) Smaller چھوٹا
(c) Equal برابر (d) Disappear نہیں ہوگا

14. Which of the following is a natural source of light?

- (a) Candle موم بتی (b) Torch تارچ
(c) Firefly جگنو (d) Bulb بلب

15. Leaves of a tree are an example of object.

- (a) transparent شفاف (b) luminous چمکدار
(c) translucent فریڈ شفاف (d) opaque ٹرانسپیرنٹ

16. Which of the following is a magnetic material?

- (a) Pencil پینسل (b) Nail نیل
(c) Glass گلاس (d) Rubber ربر

17. Which of the following materials is a good conductor of electricity?

- (a) Wood لکڑی (b) Plastic پلاسٹک
(c) Copper کاپر (d) Rubber ربر

18. Which component of an electric circuit controls the flow of charges?

- (a) Battery بیٹری (b) Wire وائر
(c) Switch سوچ (d) Bulb بلب

19. Identify the biggest part of the Earth.

- (a) Crust کرسٹ (b) Mantle مینٹل
(c) Internal core انٹرنل کور (d) External core ایکسٹرنل کور

20. The presence of bacteria and fungi makes the soil:

- (a) sandy ریتلا (b) hard سخت
(c) fertile زرخیز (d) sticky چسپیلی

21. Which of the following is NOT a function of an artificial satellite?

- (a) Communication کیوٹیلیشن
(b) Navigation نیوی گیشن
(c) Getting weather information موسمیاتی معلومات حاصل کرنا
(d) Preparation of products پراڈکٹس کی تیاری

22. Following all are the functions of NASA, EXCEPT:

- (a) space exploration اسپیس ایکسپلوریشن

23. Which of the following is a natural source of light?

- (a) Candle موم بتی (b) Torch تارچ
(c) Firefly جگنو (d) Bulb بلب

24. Leaves of a tree are an example of object.

- (a) transparent شفاف (b) luminous چمکدار
(c) translucent فریڈ شفاف (d) opaque ٹرانسپیرنٹ

25. Which of the following is a magnetic material?

- (a) Pencil پینسل (b) Nail نیل
(c) Glass گلاس (d) Rubber ربر

26. Which of the following materials is a good conductor of electricity?

- (a) Wood لکڑی (b) Plastic پلاسٹک
(c) Copper کاپر (d) Rubber ربر

27. Which component of an electric circuit controls the flow of charges?

- (a) Battery بیٹری (b) Wire وائر
(c) Switch سوچ (d) Bulb بلب

28. Identify the biggest part of the Earth.

- (a) Crust کرسٹ (b) Mantle مینٹل
(c) Internal core انٹرنل کور (d) External core ایکسٹرنل کور

29. The presence of bacteria and fungi makes the soil:

- (a) sandy ریتلا (b) hard سخت
(c) fertile زرخیز (d) sticky چسپیلی

30. Which of the following is NOT a function of an artificial satellite?

- (a) Communication کیوٹیلیشن
(b) Navigation نیوی گیشن
(c) Getting weather information موسمیاتی معلومات حاصل کرنا
(d) Preparation of products پراڈکٹس کی تیاری

31. Following all are the functions of NASA, EXCEPT:

- (a) space exploration اسپیس ایکسپلوریشن

32. Which of the following is a natural source of light?

- (a) Candle موم بتی (b) Torch تارچ
(c) Firefly جگنو (d) Bulb بلب

33. Leaves of a tree are an example of object.

- (a) transparent شفاف (b) luminous چمکدار
(c) translucent فریڈ شفاف (d) opaque ٹرانسپیرنٹ

34. Which of the following is a magnetic material?

- (a) Pencil پینسل (b) Nail نیل
(c) Glass گلاس (d) Rubber ربر

35. Which of the following materials is a good conductor of electricity?

- (a) Wood لکڑی (b) Plastic پلاسٹک
(c) Copper کاپر (d) Rubber ربر

36. Which component of an electric circuit controls the flow of charges?

- (a) Battery بیٹری (b) Wire وائر
(c) Switch سوچ (d) Bulb بلب

37. Identify the biggest part of the Earth.

- (a) Crust کرسٹ (b) Mantle مینٹل
(c) Internal core انٹرنل کور (d) External core ایکسٹرنل کور

38. The presence of bacteria and fungi makes the soil:

- (a) sandy ریتلا (b) hard سخت
(c) fertile زرخیز (d) sticky چسپیلی

39. Which of the following is NOT a function of an artificial satellite?

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(b) Navigation نیوی گیشن
(c) Getting weather information موسمیاتی معلومات حاصل کرنا
(d) Preparation of products پراڈکٹس کی تیاری

40. Following all are the functions of NASA, EXCEPT:

- (a) space exploration اسپیس ایکسپلوریشن

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- (a) Candle موم بتی (b) Torch تارچ
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42. Leaves of a tree are an example of object.

- (a) transparent شفاف (b) luminous چمکدار
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- (a) Pencil پینسل (b) Nail نیل
(c) Glass گلاس (d) Rubber ربر

44. Which of the following materials is a good conductor of electricity?

- (a) Wood لکڑی (b) Plastic پلاسٹک
(c) Copper کاپر (d) Rubber ربر

45. Which component of an electric circuit controls the flow of charges?

- (a) Battery بیٹری (b) Wire وائر
(c) Switch سوچ (d) Bulb بلب

46. Identify the biggest part of the Earth.

- (a) Crust کرسٹ (b) Mantle مینٹل
(c) Internal core انٹرنل کور (d) External core ایکسٹرنل کور

47. The presence of bacteria and fungi makes the soil:

- (a) sandy ریتلا (b) hard سخت
(c) fertile زرخیز (d) sticky چسپیلی

48. Which of the following is NOT a function of an artificial satellite?

- (a) Communication کیوٹیلیشن
(b) Navigation نیوی گیشن
(c) Getting weather information موسمیاتی معلومات حاصل کرنا
(d) Preparation of products پراڈکٹس کی تیاری

49. Following all are the functions of NASA, EXCEPT:

- (a) space exploration اسپیس ایکسپلوریشن

50. Which of the following is a natural source of light?

- (a) Candle موم بتی (b) Torch تارچ
(c) Firefly جگنو (d) Bulb بلب

51. Leaves of a tree are an example of object.

- (a) transparent شفاف (b) luminous چمکدار
(c) translucent فریڈ شفاف (d) opaque ٹرانسپیرنٹ

52. Which of the following is a magnetic material?

- (a) Pencil پینسل (b) Nail نیل
(c) Glass گلاس (d) Rubber ربر

(b) discovery of new technology

- (c) new scientific discoveries نئی سائنسی ایجادات
(d) exploration of water resources پانی کے وسائل کی تلاش

23. The activity shown in the image is adopted to avoid which disaster?

- (a) Fire آگ
(b) Flood سیلاب
(c) Storm طوفان
(d) Earthquake زلزلہ

24. What should we do while working in a laboratory?

- (a) Handle sharp tools with care تیز و حاد آلات کو احتیاط سے استعمال کرنا
(b) Keep unnecessary objects around you غیر ضروری چیزیں اپنے ارد گرد رکھنا
(c) Use electricity-operated tools بجلی سے چلنے والے آلات استعمال کرنا
(d) Use spit for folding pages فولڈنگ صفحات کے لیے لعاب کا استعمال کرنا

25. Which instrument is being used to check the vertical level of the wall in the given image?

- (a) Spirit level سپرٹ لیول
(b) Wire cutter وائر کٹرز
(c) Drill machine ڈرل مشین
(d) Plumb line پلمب لائن

26. Why classification of organisms is important?

- (a) جانداروں کی کلاسیفیکیشن کیوں اہم ہے؟
(b) Which group does the honeybee belong to? Explain why it is placed in this group.
(c) How monocot plant is different from the dicot plant? Write any two differences.

27. (a) Identify biodegradable and non-biodegradable materials from the following. Grass, polythene bag, sand. 3

(b) Write three effects of global warming. 3

(c) Write any two effects of the following types of pollution. 2 + 2 = 4

1. Air pollution 2. Water pollution

آلودگی کی درج ذیل اقسام کے دو اثرات تحریر کریں۔
1- ہوا کی آلودگی 2- پانی کی آلودگی

Q.28: (a) What is the difference between temporary and permanent magnets? 2

(b) Identify magnetic and non-magnetic materials from the given list. 4

(c) How you can make a magnetic compass at home? 4

Q.29: (a) What do you know about the core of the Earth? 2

(b) Write two differences between clay and sand. 4

(c) Why silt is best for plantation? Write four reasons. 4

Q.30: (a) Identify the circuit in the given image and write its characteristics. 1 + 2 = 3

(b) Separate the given objects as magnetic or non-magnetic materials. 3

Stone, Iron coins, Iron rod

دی گئی چیزوں میں سے میگنیٹک اور نان میگنیٹک میٹریلز کو علیحدہ کریں۔
دی گئی تصویر میں مہرکت کی شناخت کریں اور اس کی خصوصیات تحریر کریں۔
پتھر، لوہے کے کیل، لوہے کے راڈ

(c) Describe the types of charges and their properties. 2 + 2 = 4

چار جڑ کی اقسام اور ان کی خصوصیات بیان کریں۔

Q.27: (a) Identify biodegradable and non-biodegradable materials from the following. Grass, polythene bag, sand. 3

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چار جڑ کی اقسام اور ان کی خصوصیات بیان کریں۔

Q.31: (a) Identify the circuit in the given image and write its characteristics. 1 + 2 = 3

(b) Separate the given objects as magnetic or non-magnetic materials. 3

Stone, Iron coins, Iron rod

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